

# The minitoc package\*

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# About this document

This document is rather thick, but please, be not afraid: you do not need to read every page.

- The most useful chapters are in the first part (“User’s Manual”, page 26):
  - the chapter “The minitoc package”, page 27, describes the essential commands to use the package;
  - the chapter “Frequently Asked Questions”, page 59, may help you to solve some specific problems;
  - the chapter “Memento”, page 83, is a set of tables to be used as a remainder of the commands of this package;
  - the chapter “Examples of documents”, page 93, gives the code of some documents showing the basic usage of the minitoc package and some interesting situations;
  - the chapter “Messages”, page 154, is certainly boring, but it should be searched if you get some warning or error messages from the minitoc package, because it explains them and also the informative messages (table 5.1 on page 155 will help you to find the meaning of a message);
  - the chapter “Jargon”, page 208, attempts to explain most of the technical terms used here;
  - the chapter “Installation”, page 245, describes all the files included in the distribution of the package;
  - the chapter “Postface”, page 252, gives an abbreviated history of the package.
- The second part, “Implementation”, page 265, is much more technical; you can read it if you are interested in the details of the coding of the package. The chapter “Language definition (.mld) and object (.mlo) files”, page 469, may be useful if you are interested by some language. This chapter contains many maps and illustrations.
- The third part, “Complements”, page 643, contains a bibliography, a detailed history of the package, a list of acknowledgments, and an index.

For this document, I have used:

- a short table of contents (summary), with the `\shorttoc` command from my `shorttoc` package [155], displaying only parts and chapters;

- a main table of contents (`\tableofcontents`), with a maximum depth (6);
- a main list of figures (`\listoffigures`) and a main list of tables (`\listoftables`);
- for each part, a table of contents displaying only the chapters (`\parttoc` with `parttocdepth` equal to 1);
- for each chapter, a complete table of contents (`\minitoc` with `minitocdepth` equal to 6);
- for each chapter, a list of figures (`\minilof`) and a list of tables (`\minilot`) when useful;
- customized parameters for the layout of the mini-tables; as the PDF version of the documentation uses hyperlinks (with the help of the `hyperref` package [390]), these mini-tables should help you to navigate within the document;
- some hyperlinks, placed in the right margin, contain a message identifier; the link points to the description of the message in the “Messages” chapter; try this one: `—————>`
- some flags, with hyperlinks to articles (mainly in Wikipedia) about countries or languages;
- the `calc` package [441] to make some computations with comfort;
- the `booktabs` package [165] to format the tables;
- the `doc` [327] and `docstrip` [287] packages to document the code;
- many other packages to improve the presentation of the documentation.

I0001



## **Part I**

# **User's Manual**

## Contents of the First Part

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# Chapter 1

## The minitoc package

### Contents

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## 1.1 Introduction

The minitoc package, initially written by Nigel WARD and Dan JURAFSKY, has been almost completely redesigned by Jean-Pierre F. DRUCBERT (ONERA/Centre de Toulouse). A summary of the evolution of this package is given in the chapter 8 on page 252. This package creates a mini-table of contents (a “minitoc”<sup>1</sup>) at the beginning of each chapter of a document. It is also possible to have a mini-list of figures (a “minilof”) and a mini-list of tables (a “minilot”). The document class should of course define chapters (classes like `book` or `report` [282]) or sections (classes like `article`<sup>2</sup>) [282]. Thus, this package should not be used with document classes without standard sectionning commands (like `letter`). When the document class defines a “part” sectionning level (i.e., classes like `book`, `report` and `article`), you can create a “partial” table of contents (a “parttoc”) at the beginning of each part of a document. It is also possible to have a partial list of figures (a “partlof”) and a partial list of tables (a “partlot”). When the document class has no `\chapter` command but has a `\section` command, you may use

<sup>1</sup> The minitoc package introduces its own jargon, explained in this document. It should not be too difficult, however, to learn and use; it will be used here, of course.

<sup>2</sup> As the standard `proc` class [281], and the `ltxdoc` [116] and `ltnews` [248] classes, load the standard `article` class, these classes will be just considered as variants of the `article` class.

section level tables of contents (“sectocs”) at the beginning of each section; and you can also have section level lists of figures (“sectlofs”) or of tables (“sectlots”).

All these tables (“minitocs”, “partlots”, “sectlofs”, etc.) are collectively referenced as “mini-tables” (or sometimes “mini-lists”).

### 1.1.1 Important restrictions

**Note:** you cannot use chapter level and section level mini-tables in the same document. This restriction is intended to avoid documents with full of local tables of contents, lists of figures and tables at every sectioning level.



**Note:** the commands relative to the part level are defined only if the document class defines `\part`. The commands relative to the section level are defined only if the document class defines `\section` but does not define `\chapter`.



### 1.1.2 Version

The current version of this package is #60. You will find a resumed history of the package in the “Postface” chapter (chapter 8 on page 252) and a more detailed history in “Changes History”, page 686.

## 1.2 License

This package must be distributed and/or may be modified under the conditions of the **L<sup>A</sup>T<sub>E</sub>X Project Public License**, either version 1.3 of this license or (as convenient) any later version. The latest version of this license is in

<http://www.latex-project.org/lppl.txt>

and version 1.3 or later is part of all distributions of L<sup>A</sup>T<sub>E</sub>X version 2003/12/01 or later.

But please don't bother me about hacked versions; they will not be supported. However, suggestions for corrections and reasoned improvements are welcome.

## 1.3 Using the minitoc package

### 1.3.1 Loading the package and creating the mini-tables

`\usepackage` To use the minitoc package, you must insert a command:  
`\minitoc`  
`\chapter`

```
\usepackage[...options...]{minitoc}
```

in the preamble of the document<sup>3</sup>. The mini-table of contents will be in the chapter, after the `\chapter` command, at the point of the `\minitoc` command. The `\minitoc` command may occur *almost anywhere*<sup>4</sup> inside a chapter.

Of course, it is better to put it at the beginning of the chapter, eventually after some introductory material. But you can also decide to put it at the end of the chapter. You should use the same conventions in all chapters. If you want to add the mini-table of contents for a chapter, you must use the sequence given in table 1.1 on the next page.

For each mini-table of contents, an auxiliary file will be created with a name of the form *document.mtc* $\langle N \rangle$ , where  $\langle N \rangle$  is the absolute chapter number. “Absolute” means that this number is unique, and always increasing from the first chapter<sup>5</sup>. The suffix is *.mlf* $\langle N \rangle$  for mini-lists of figures and is *.mlt* $\langle N \rangle$  for mini-lists of tables. (If under MS-DOS or any operating system with short extensions to filenames, see section 1.9 on page 57 and section 2.5 on page 61). There are similar commands for mini-tables at the part or section level, depending on the document class.

### 1.3.2 Preparing the mini-tables

`\dominitoc` The commands<sup>6</sup> `\dominitoc`, `\dominilof`, and `\dominilot` (for mini-tables at the  
`\dominilof` chapter level), take respectively the *document.toc*, *document.lof*, and *document.lot*  
`\dominilot` files, and cut slices from them to create the *document.mtc* $\langle N \rangle$ , *document.mlf* $\langle N \rangle$ , and  
*document.mlt* $\langle N \rangle$  files.

<sup>3</sup> This command must be placed *after* any modification done on the sectioning commands; if you modify some sectioning commands after loading the minitoc package, this one might not work properly.

<sup>4</sup> “Almost anywhere” means “in a normal place”, like between two paragraphs of normal text, or in a (wide enough) minipage, but not in a too strange position (like a marginal note or a footnote). Even a multicolumn or a floating environment can be used, but with care. But note that a minitoc can be rather long, if the chapter is complex and if you are asking for details with a high value for `minitocdepth`. As an example, I once used a `\afterpage` command (`afterpage` package [115]) to place the long minilof of chapter 13 on page 469 (so the minilof was forced to begin at the top of the next page).

<sup>5</sup> The concept of an “absolute” counter for the mini-tables has solved some obscure problems, and also made obsolete some commands, like `\firstpartis`, `\firstchapteris`, and `\firstsectionis`.

<sup>6</sup> The code of these `\do...` commands is directly derived from that of the `xr` package [114], by David P. CARLISLE, with his permission.

Table 1.1: Commands for a minitoc

<code>\documentclass[...]{book}</code>	
<code>\usepackage[...options...]{minitoc}</code>	
<code>...</code>	
<code>\setlength{\mtcindent}{24pt}</code>	<i>default</i>
<code>\renewcommand{\mtcoffset}{0pt}</code>	<i>default</i>
<code>\mtcsetoffset{minitoc}{0pt}</code>	<i>default</i>
<code>\setlength{\mtcskipamount}{\bigskipamount}</code>	<i>default</i>
<code>...</code>	
<code>\setcounter{minitocdepth}{2}</code>	<i>default</i>
<code>\renewcommand{\mtcfont}{\small\rmfamily\upshape\mdseries}</code>	<i>default</i>
<code>\renewcommand{\mtcSfont}{\small\rmfamily\upshape\bfseries}</code>	<i>default</i>
<i>or:</i>	
<code>\mtcsetdepth{minitoc}{2}</code>	<i>default</i>
<code>\mtcsetfont{minitoc}{*}{\small\rmfamily\upshape\mdseries}</code>	<i>default</i>
<code>\mtcsetfont{minitoc}{section}{\small\rmfamily\upshape\bfseries}</code>	<i>default</i>
<code>...</code>	
<code>\begin{document}</code>	
<code>...</code>	
<code>\dominitoc</code>	
<code>\dominilof</code>	
<code>\dominilot</code>	
<code>\tableofcontents</code>	<i>or \faketableofcontents</i>
<code>\listoffigures</code>	<i>or \fakelistoffigures</i>
<code>\listoftables</code>	<i>or \fakelistoftables</i>
<code>...</code>	
<code>\chapter{...}</code>	
<code>\minitoc</code>	<i>if you want one</i>
<code>\mtcskip</code>	
<code>\minilof</code>	<i>if you want one</i>
<code>\mtcskip</code>	
<code>\minilot</code>	<i>if you want one</i>
<code>...</code>	

`\dosecttoc` The commands `\dosecttoc`, `\dosectlof`, and `\dosectlot` (for mini-tables at the section level) and `\doparttoc`, `\dopartlof`, and `\dopartlot` (for mini-tables at the part level) are analog.

`\doparttoc`

`\dopartlof` The `\mtcprepare` command invokes (and replaces) all these preparation commands when they are available with the document class and if the adequate contents file exists. This command accepts also an optional argument to set the default position of the title for *all* the mini-tables.

`\dopartlot`

`\mtcprepare`

`\tableofcontents`

`\listoffigures`

`\listoftables`

All the preparation commands are *ignored* if the `\nofiles` command is invoked in the preamble, to avoid to overwrite the mini-table auxiliary files.

To obtain a satisfactory result (i.e., non empty), please note that all these commands must *imperatively be put before* any command analog to the `\tableofcontents`, `\listoffigures`, and `\listoftables` commands, or their `\fake...` siblings.



W0098



It is also *strongly* recommended to put these commands *before* any sectioning command producing an entry in the table of contents (for the `\do...toc` commands), and *before* any `\caption`-like command producing an entry in the list of figures (for the `\do...lof` commands) or in the list of tables (for the `\do...lot` commands); else disorder in the mini-tables might result.



### 1.3.3 Placing the mini-tables

`\mtcskip` The `\mtcskip` command may be used to add a vertical skip between two mini-tables. Its height is `\mtcskipamount` (equal to `\bigskipamount` by default). `\mtcskip` eliminates any immediate previous vertical skip, to not accumulate vertical space when a mini-table is empty and skipped by the `checkfiles` option.

`\secttoc` The section-level table of contents will be in the section, after the `\section` command, at the point of the `\secttoc` command. The `\secttoc` command may occur *almost anywhere* inside a section. It is often better to put it at the beginning of the section, or after some short introductory material. You should use the same conventions in all sections. If you want to add a section-level table of contents for a section, you must use the sequence given in Table 1.2 on the following page.

For each section-level table of contents, an auxiliary file will be created with a name of the form `document.stc<N>`, where `<N>` is the absolute section number. The suffix is `.s1f<N>` for section-level lists of figures and is `.s1t<N>` for section-level lists of tables. (If under MS-DOS or any operating system with short extensions to filenames, see section 1.9 on page 57 and section 2.5 on page 61).

`\usepackage` As floats (figures and tables) could drift<sup>7</sup> somewhere outside the printing area of the text of the section, the `sectlofs` and `sectlots` can be rather strange. In order to have a better behaviour of these mini-tables, it may be useful to add the `insection` option in the `\usepackage` command:

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```
\usepackage[insection]{minitoc}
```

if you want more consistent `sectlofs` and `sectlots`. The `insection` option loads the `placeins` package [15] with its `verbose` and `section` options. Sometimes, it might be necessary to use the `\FloatBarrier` command of this package to correctly place the figure or table and have a correct mini-table. The options `above` or `below` options should not be used, because they allow floats to drift above or below a `\FloatBarrier` (or a section limit): the barrier

<sup>7</sup> A float is like a ship in harbor. There is a place in the text which is the anchor location. The figure or “ship” can float around to various places relative to the anchor, but always downstream or downwind. A float with bad placement parameters is like a ship that slips its anchor and eventually crashes on the rocks at the end of a chapter.



Table 1.2: Commands for a secttoc

<code>\documentclass[...]{article}</code>		
<code>\usepackage[...options...]{minitoc}</code>		
...		
<code>\setlength{\stcindent}{24pt}</code>	<i>default</i>	
<code>\renewcommand{\stcoffset}{0pt}</code>	<i>default</i>	
<code>\mtcsetoffset{secttoc}{0pt}</code>	<i>default</i>	
...		
<code>\setcounter{secttocdepth}{2}</code>	<i>default</i>	
<code>\renewcommand{\stcfont}{\small\rmfamily\upshape\mdseries}</code>		<i>default</i>
<code>\renewcommand{\stcSSfont}{\small\rmfamily\upshape\bfseries}</code>		<i>default</i>
or:		
<code>\mtcsetdepth{secttoc}{2}</code>		<i>default</i>
<code>\mtcsetfont{secttoc}{*}{\small\rmfamily\upshape\mdseries}</code>		<i>default</i>
<code>\mtcsetfont{secttoc}{subsection}{\small\rmfamily\upshape\bfseries}</code>		<i>default</i>
...		
<code>\begin{document}</code>		
...		
<code>\dosecttoc</code>		
<code>\dosectlof</code>		
<code>\dosectlot</code>		
<code>\tableofcontents</code>	or	<code>\faketableofcontents</code>
<code>\listoffigures</code>	or	<code>\fakelistoffigures</code>
<code>\listoftables</code>	or	<code>\fakelistoftables</code>
...		
<code>\section{...}</code>		
<code>\secttoc</code>		<i>if you want one</i>
<code>\sectlof</code>		<i>if you want one</i>
<code>\sectlot</code>		<i>if you want one</i>
...		

becomes “porous” upwards<sup>8</sup> (↑) or downwards (↓), or both (↕). The `section` option makes a more “watertight” barrier (≡). This is illustrated by the figure 1.1 on the next page.

The `placeins` package, by Donald ARSENEAU, is available on CTAN archives; note that the file `placeins.sty` contains its own documentation, with a copy in `placeins.txt`. You need a version whose date is at least 2005/04/18.

Since version #45, this option also loads the `flafter` package (described in [288] and [330, page 286]) to force a float to appear *after* its reference. The `above` and `below` options of the `placeins` package are no more used, because they allowed the floats to move out of the section.

In all cases, it is *strongly* recommended to verify the position of the floats and, if necessary, to look at the messages of the `placeins` package in the `document.log` file. The placement of floats is a very complex problem, so some manual intervention may be necessary, like the use of the `float` package [302] or, better, of the `floatrow` package [285].



<sup>8</sup> But a float can not drift upwards beyond the top of the current page.

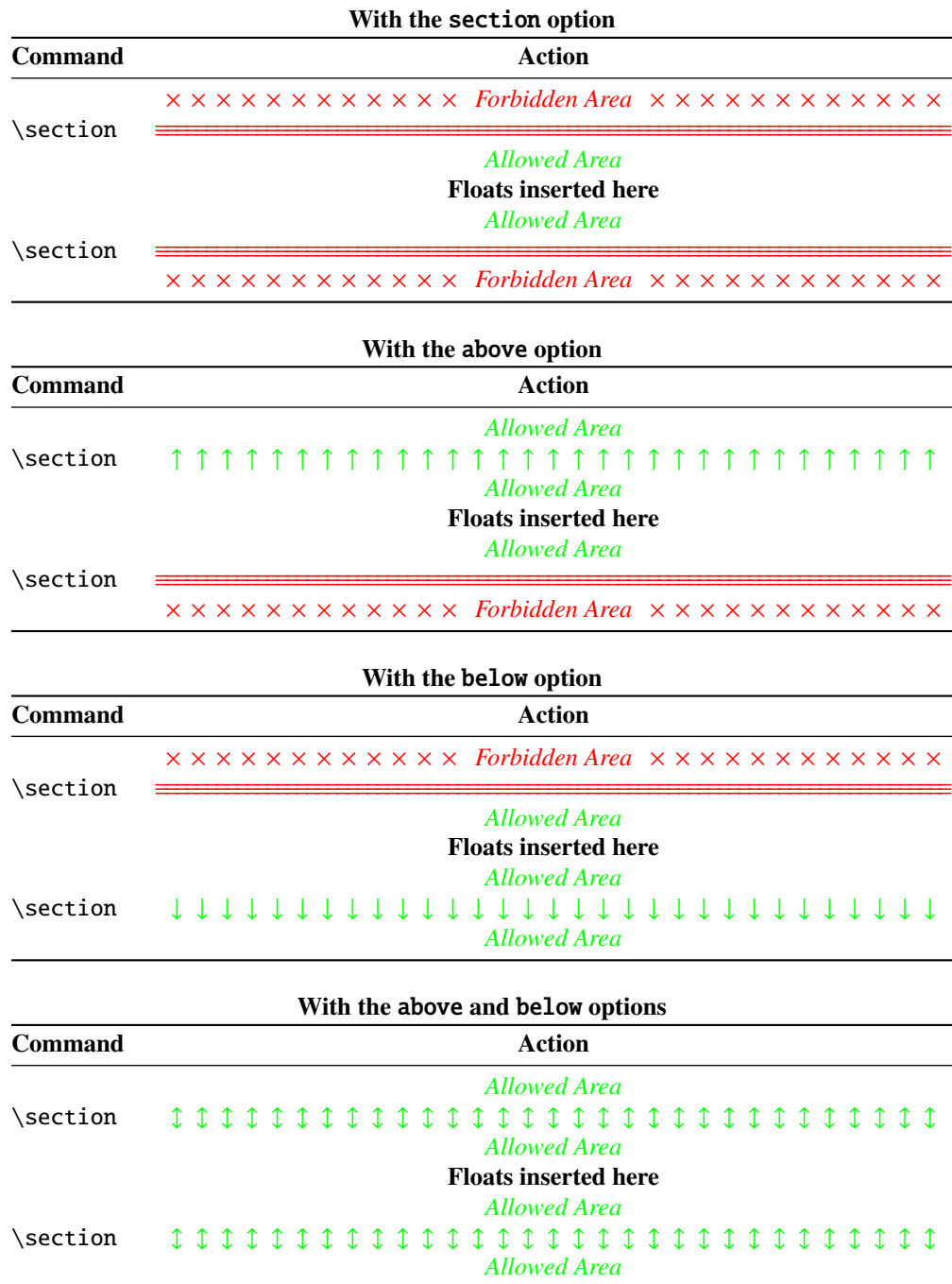


Figure 1.1: Float barriers

Table 1.3: Commands for a parttoc

<code>\documentclass[...]{book}</code>	
<code>\usepackage[...options...]{minitoc}</code>	
<code>...</code>	
<code>\setlength{\ptcindent}{0pt}</code>	<i>default</i>
<code>\renewcommand{\ptcoffset}{0pt}</code>	<i>default</i>
<code>\mtcsetoffset{parttoc}{0pt}</code>	<i>default</i>
<code>...</code>	
<code>\setcounter{parttocdepth}{2}</code>	<i>default</i>
<code>\renewcommand{\ptcfont}{\normalsize\rmfamily\upshape\mdseries}</code>	<i>default</i>
<code>\renewcommand{\ptcCfont}{\normalsize\rmfamily\upshape\bfseries}</code>	<i>default</i>
<code>\renewcommand{\ptcSfont}{\normalsize\rmfamily\upshape\mdseries}</code>	<i>default</i>
<code>or:</code>	
<code>\mtcsetdepth{parttoc}{2}</code>	<i>default</i>
<code>\mtcsetfont{parttoc}{*}{\normalsize\rmfamily\upshape\mdseries}</code>	<i>default</i>
<code>\mtcsetfont{parttoc}{chapter}{\normalsize\rmfamily\upshape\bfseries}</code>	<i>default</i>
<code>\mtcsetfont{parttoc}{section}{\normalsize\rmfamily\upshape\mdseries}</code>	<i>default</i>
<code>...</code>	
<code>\begin{document}</code>	
<code>...</code>	
<code>\doparttoc</code>	
<code>\dopartlof</code>	
<code>\dopartlot</code>	
<code>\tableofcontents</code>	<i>or \faketableofcontents</i>
<code>\listoffigures</code>	<i>or \fakelistoffigures</i>
<code>\listoftables</code>	<i>or \fakelistoftables</i>
<code>...</code>	
<code>\part{...}</code>	
<code>\parttoc</code>	<i>if you want one</i>
<code>\partlof</code>	<i>if you want one</i>
<code>\partlot</code>	<i>if you want one</i>
<code>...</code>	

If you want to add the partial table of contents for a part, you must use the sequence given in Table 1.3. For each partial table of contents, an auxiliary file will be created with a name of the form *document.ptc* $\langle N \rangle$ , where  $\langle N \rangle$  is the absolute part number. The suffix is *.plf* $\langle N \rangle$  for partial lists of figures and is *.plt* $\langle N \rangle$  for partial lists of tables. (If under MS-DOS or any operating system with short extensions to filenames, see section 1.9 on page 57 and section 2.5 on page 61).

**Note:** the user is responsible of asking or not asking a mini-table (mini-toc, -lof or -lot) for some chapter. Asking a minilof for a chapter without any figure would result in an empty and ugly mini-list of figures (i.e., the title and two horizontal rules). He is also responsible of requiring or not requiring a partial toc (lof or lot) for some part. Asking a partlof for a part without any figure would result in an empty and ugly part list of figures (i.e., the title alone on a page). Analogous remarks apply to section-level mini-tables (secttoc, sectlof, and sectlot) and to the part-level mini-tables (parttoc, partlof, and partlot).

But since version #35, empty mini-tables are just ignored and this problem should disappear in normal circumstances. Nevertheless, it is recommended to put no `\minitoc` command



in a chapter without sections and no `\minilof` or `\minilot` command in a chapter without figures or tables. The `checkfiles` (see section 1.3.3 on page 32) package option (default) skips empty mini-tables (with a note in the `document.log` file); the `nocheckfiles` package option restores the old behaviour (empty mini-tables are displayed).

By default, the mini-tables and partial tables of contents contain only references higher and to sections and subsections. The counters `parttocdepth`, `minitocdepth` and `secttocdepth`, similar to `tocdepth`, allow the user to modify this behaviour. Mini or partial lists of figures or tables are not affected by the value of these counters, but if there are depth counters for these lists (`lofdepth` and `lotdepth`), as done by the `subfigure` and `subfig` packages [130, 132] from Steven Douglas COCHRAN, new depth counters are created if necessary, with obvious names like `partlofdepth`, `partlotdepth`, `minilofdepth`, `minilotdepth`, `sectlofdepth`, and `sectlotdepth`.

### 1.3.4 Starred chapters, parts and sections

<code>\addcontentsline</code>	<b>NOTE:</b> if using <code>\chapter*</code> and a
<code>\addstarredpart</code>	
<code>\addstarredchapter</code>	
<code>\addstarredsection</code>	
	<code>\addcontentsline{toc}{chapter}{...}</code>

command to add something in the table of contents, the numbering of the minitoc auxiliary files would be altered. To avoid that problem, a first method is to say:



```
\addstarredpart{...}
\addstarredchapter{...}
\addstarredsection{...}
```

These commands apply only for the level of a part-, mini- or sect-toc; for lower levels, the usual command is sufficient:

<code>\addcontentsline</code>	<code>\addcontentsline{toc}{section}{...}</code>
-------------------------------	--

So, to add a section-level entry in the global toc and in the minitoc of a starred chapter:

```
\chapter*{Title of chapter}
\addstarredchapter{Title of chapter}
\minitoc
\section*{First section}
\addcontentsline{toc}{section}{First section}
\section*{Second section}
\addcontentsline{toc}{section}{Second section}
```

`\adjustptc` There is sometimes a problem with mini-tables when you use `\chapter*` (or `\section*`):  
`\adjustmtc` the minitocs appear in the wrong chapter. You can add a `\adjustmtc` (or `\adjuststc`  
`\adjuststc` or `\adjustptc`) command at the end of the starred chapter (or section or part) to  
 increment the corresponding counter. Do not use commands like `\stepcounter{mtc}` or  
`\addtocounter{mtc}{...}` (which should work, but it is cheating), because the `mtcoff`  
 package (see section 1.11 on page 58) knows what to do about `\adjustmtc` (and others),  
 but can do nothing about `\stepcounter` or `\addtocounter`, as they are a standard basic  
 commands of L<sup>A</sup>T<sub>E</sub>X, not minitoc specific commands. Syntax:

$$\backslash\text{adjustptc}[n] \quad \backslash\text{adjustmtc}[n] \quad \backslash\text{adjuststc}[n]$$

where  $n$  is the increment (default: 1).

`\decrementptc` There are similar commands to *decrement* or *increment* by 1 these counters:  
`\decrementmtc` `\decrementptc`, `\decrementmtc`, `\decrementstc`, `\incrementptc`, `\incrementmtc`,  
`\decrementstc` and `\incrementstc`; the same remarks as above apply. These commands have no argument.  
`\incrementptc` But a more clever way to solve this problem would be using commands similar to:  
`\incrementmtc`  
`\incrementstc`  
`\mtcaddpart` `\mtcaddchapter[title]`  
`\mtcaddchapter`  
`\mtcaddsection`

This command adds an entry in the table of contents (and adjusts the counter, because it calls `\adjustmtc`). The table 1.4 summarizes these commands, that you put *after* `\chapter*`, etc. If the optional argument is omitted or empty or blank, no entry will be visible in the table of contents nor in the minitocs. If the optional argument is something invisible (like `~`, `\space` or `\quad`), the result will be strange but still logically correct. See also section 2.30 on page 75 for the problems with `\mtcaddpart`.



Table 1.4: Adding an entry in the ToC for a starred part, chapter, or section

Level	With title
part	<code>\mtcaddpart[title]</code>
chapter	<code>\mtcaddchapter[title]</code>
section	<code>\mtcaddsection[title]</code>

## 1.4 Typesetting of the mini-tables

The mini-tables are typeset in a `verse`-like environment, and can be split over several pages.

### 1.4.1 Chapter-level mini-tables

`\mtcfont` The mini-table of contents is typeset in the `\mtcfont` font, which is `\small\rmfamily` by default. In fact, the font `\mtcfont` is selected at the beginning of a minitoc, minilof or minilot. More selective choices are made with the following fonts. Section entries are typeset in the `\mtcSfont` font, which is `\small\bfseries` by default.

`\mtcSSfont` For subsections, subsubsections, paragraphs and subparagraphs, the commands `\mtcSSfont`, `\mtcSSSfont`, `\mtcPfont` and `\mtcSPfont` are available (by default, `\small\rmfamily`) to enable the use of various fonts. Mini lists of figures and tables are typeset in the fonts `\mlffont` and `\mltfont`, which are `\small\rmfamily` by default. There are also `\mlffont` `\mlfSfont` and `\mltSfont` for sub-figures and sub-tables entries. See tables 1.5 to 1.6 on pages 39–40<sup>9</sup>.

`\mltfont`  
`\mlfSfont`  
`\mltSfont`

Note that the default choice of fonts is certainly not perfect and hence it is not definitive. A symptom of this imperfection is the presence of poor alignments in the mini-tables, if bold and non-bold fonts are mixed<sup>10</sup> (the true length of 1em is not the same for the fonts). This can often be adjusted by changing some fonts.



### 1.4.2 Titles for chapter-level mini-tables

`\mtifont` Titles are typeset in the `\mtifont` (`\large\bfseries` by default) font and the text strings of the titles are defined by `\mtctitle`, `\mlftitle` and `\mltttitle`, which are the strings “Contents”, “Figures” and “Tables” by default. These title commands should be redefined by `\renewcommand` or `\mtcsettitle` for languages other than english.

`\mltttitle`

`\mtcsettitle`

`\mtcselectlanguage` The language definition files like `french.mld` and `english.mld` (the suffix `.mld` means “minitoc language definition (file)”) (and many others, see the list in table 1.7 on page 41 and section 1.4.14 on page 47) are available. You can easily prepare a similar file for a preferred language (see section 2.26 on page 73). You can change the language of these titles by using the `\mtcselectlanguage{language}` macro.

### 1.4.3 Part-level mini-tables

`\ptcfont` The partial table of contents is typeset in the `\ptcfont` font, which is defined as `\normalsize\rmfamily` by default. In fact, the font `\ptcfont` is selected at the beginning of a parttoc, partlof or partlot. More selective choices are made with the following fonts. Chapter entries are typeset in the `\ptcCfont` font, which is

`\ptcCfont`  
`\ptcSfont`

<sup>9</sup> Thanks to Stefan ULRICH, who contributed these tables initially.

<sup>10</sup> This appears, e.g., if you are using the Computer Modern Roman (CMR) fonts [262]. The symptom disappears if you do not use bold CMR fonts or if you use the TX fonts (txfonts package [403]), for instance, like in this document. See also section 2.29 on page 74.

Table 1.5: Fonts and titles for the mini-table commands

Command	Font default setting	Title string default setting	Title font default setting
For the <code>\part...</code> commands:			
<code>\parttoc</code>	<code>\ptcfont</code> <code>\normalsize\rmfamily*</code> <code>\small\rmfamily**</code>	<code>\ptctitle</code> Table of Contents <sup>†</sup>	<code>\ptifont</code> <code>\LARGE\bfseries*</code> <code>\Large\bfseries**</code>
<code>\partlof</code>	<code>\plffont</code> <code>\normalsize\rmfamily*</code> <code>\small\rmfamily**</code> <code>\plfSfont</code> <code>\normalsize\rmfamily*</code> <code>\small\rmfamily**</code>	<code>\plftitle</code> List of Figures <sup>†</sup>	<code>\ptifont</code> <code>\LARGE\bfseries*</code> <code>\Large\bfseries**</code>
<code>\partlot</code>	<code>\pltfont</code> <code>\normalsize\rmfamily*</code> <code>\small\rmfamily**</code> <code>\pltSfont</code> <code>\normalsize\rmfamily*</code> <code>\small\rmfamily**</code>	<code>\plttitle</code> List of Tables <sup>†</sup>	<code>\ptifont</code> <code>\LARGE\bfseries*</code> <code>\Large\bfseries**</code>
For the <code>\mini...</code> commands:			
<code>\minitoc</code>	<code>\mtcfont</code> <code>\small\rmfamily</code>	<code>\mtctitle</code> Contents <sup>†</sup>	<code>\mtifont</code> <code>\large\bfseries</code>
<code>\minilof</code>	<code>\mlffont</code> <code>\small\rmfamily</code> <code>\mlfSfont</code> <code>\small\rmfamily</code>	<code>\mlftitle</code> Figures <sup>†</sup>	<code>\mtifont</code> <code>\large\bfseries</code>
<code>\minilot</code>	<code>\mltfont</code> <code>\small\rmfamily</code> <code>\mltSfont</code> <code>\small\rmfamily</code>	<code>\mlttitle</code> Tables <sup>†</sup>	<code>\mtifont</code> <code>\large\bfseries</code>
For the <code>\sect...</code> commands:**			
<code>\secttoc</code>	<code>\stcfont</code> <code>\small\rmfamily</code>	<code>\stctitle</code> Contents <sup>†</sup>	<code>\stifont</code> <code>\Large\bfseries</code>
<code>\sectlof</code>	<code>\slffont</code> <code>\small\rmfamily</code> <code>\slfSfont</code> <code>\small\rmfamily</code>	<code>\slftitle</code> Figures <sup>†</sup>	<code>\stifont</code> <code>\Large\bfseries</code>
<code>\sectlot</code>	<code>\sltfont</code> <code>\small\rmfamily</code> <code>\sltSfont</code> <code>\small\rmfamily</code>	<code>\slttitle</code> Tables <sup>†</sup>	<code>\stifont</code> <code>\Large\bfseries</code>

\*for document classes with `\chapter` level (e.g., book, report).

\*\*for document classes with no `\chapter` level (e.g., article).

<sup>†</sup>default for english; changed by the language definition files or `\renewcommand`.

All these fonts use `\rmfamily`, `\upshape`, and `\mdseries` by default.

`\normalsize\bfseries` by default. Section entries are typeset in the `\ptcSfont` font, which is `\normalsize\rmfamily` by default.

`\ptcSSfont` For subsections, subsections, paragraphs and subparagraphs, the commands  
`\ptcSSfont` `\ptcSSfont`, `\ptcSSfont`, `\ptcPfont`, and `\ptcSPfont` are available (by default,  
`\ptcPfont` `\normalsize\rmfamily`) if you want to use various fonts.  
`\ptcSPfont`

Table 1.6: Fonts for the mini-table entries

Level	Font	Default setting
For the <code>\parttoc</code> entries:		
Chapter*	<code>\ptcCfont*</code>	<code>\normalsize\bfseries*</code>
Section	<code>\ptcSfont</code>	<code>\normalsize\rmfamily*</code> <code>\small\bfseries**</code>
Subsection	<code>\ptcSSfont</code>	<i>(like \ptcfont)</i>
Subsubsection	<code>\ptcSSSfont</code>	<i>(like \ptcfont)</i>
Paragraph	<code>\ptcPfont</code>	<i>(like \ptcfont)</i>
Subparagraph	<code>\ptcSPfont</code>	<i>(like \ptcfont)</i>
For the <code>\minitoc</code> entries:*		
Section	<code>\mtcSfont</code>	<code>\small\bfseries</code>
Subsection	<code>\mtcSSfont</code>	<i>(like \mtcfont)</i>
Subsubsection	<code>\mtcSSSfont</code>	<i>(like \mtcfont)</i>
Paragraph	<code>\mtcPfont</code>	<i>(like \mtcfont)</i>
Subparagraph	<code>\mtcSPfont</code>	<i>(like \mtcfont)</i>
For the <code>\secttoc</code> entries:**		
Subsection	<code>\stcSSfont</code>	<code>\normalsize\bfseries</code>
Subsubsection	<code>\stcSSSfont</code>	<i>(like \stcfont)</i>
Paragraph	<code>\stcPfont</code>	<i>(like \stcfont)</i>
Subparagraph	<code>\stcSPfont</code>	<i>(like \stcfont)</i>

\*for document classes with `\chapter` level (e.g., book, report).  
\*\*for document classes with no `\chapter` level (e.g., article).

`\plffont` Partial lists of figures and tables are typeset in the fonts `\plffont` and `\pltfont`, which  
`\pltfont` are `\normalsize\rmfamily` by default. There are also `\plfSfont` and `\pltSfont` for  
`\plfSfont` sub-figures and sub-tables entries.  
`\pltSfont`

#### 1.4.4 Titles for part-level mini-tables

`\ptifont` Titles are typeset in the `\ptifont` (`\LARGE\bfseries` by default) font and the text strings  
`\ptctitle` of the titles are defined by `\ptctitle`, `\plftitle` and `\plttitle`, which are the strings  
`\plftitle` “Table of Contents”, “List of Figures” and “List of Tables” by default. These title commands  
`\plttitle` should be redefined by `\renewcommand` or `\mtcsettitle` for languages other than english.  
`\mtcsettitle`  
`\mtcselectlanguage` The language definition files like `french.mld` and `english.mld` (and many others;  
for a complete list, see table 1.7 on the next page) are available. Read also  
section 1.4.14 on page 47. You can easily prepare a similar file for a preferred language  
(see section 2.26 on page 73). You can change the language of these titles by using the  
`\mtcselectlanguage{language}` macro.



Table 1.7: Available languages

– afrikaan (afrikaans)	– farsi1 <sup>c,f,g</sup>	– japanese5 <sup>c,d,g</sup>	– romanian
– albanian	– farsi2 <sup>c,f,g</sup>	– japanese6 <sup>c,d,g</sup>	– romanian2
– arab (arabic) <sup>c</sup>	– farsi3 <sup>c,j</sup>	– kannada <sup>c</sup>	– romanian3
– arab2 <sup>a,c</sup>	– finnish	– latin	– russian <sup>b,c</sup>
– arabi <sup>c,j</sup>	– finnish2	– latin2	– russianb <sup>b,c</sup>
– armenian <sup>c</sup>	– french (frenchb, frenchle, frenchpro, francais, acadien, canadien)	– latinc	– russianc <sup>b,c</sup>
– bahasai (bahasa, indon, indonesian) <sup>c</sup>	– french1	– latinc2	– russian2m <sup>c,e</sup>
– bahasam (malay, meyalu) <sup>c</sup>	– french2	– latvian (letton) <sup>e</sup>	– russian2o <sup>c,e</sup>
– bangla (bengali) <sup>c</sup>	– french3	– latvian2 (letton2) <sup>c</sup>	– russian-cca <sup>c,g,h</sup>
– basque	– galician	– lithuanian	– russian-cca1 <sup>c,g,h</sup>
– bicig (uighur) <sup>c,i</sup>	– german (austrian)	– lithuanian2 <sup>c,h</sup>	– russian-lh <sup>c,g,h</sup>
– bicig2 (uighur2) <sup>c,i</sup>	– germanb	– lowersorbian (lsorbian)	– russian-lhcyralt <sup>c,g,h</sup>
– bicig3 (uighur3) <sup>c,i</sup>	– germanb2	– magyar (hungarian)	– russian-lhcyrkoi <sup>c,g,h</sup>
– bithe (manju) <sup>c</sup>	– greek <sup>c</sup>	– magyar2	– russian-lhcyrwin <sup>c,g,h</sup>
– brazil (brazilian)	– greek-mono <sup>c,e</sup>	– magyar3	– samin
– breton	– greek-polydemo <sup>c,e</sup>	– malayalam-b <sup>c</sup>	– scottish
– bulgarian <sup>c</sup>	– greek-polykatha <sup>c,e</sup>	– malayalam-keli <sup>c</sup>	– serbian
– bulgarianb <sup>c</sup>	– guarani <sup>h</sup>	– malayalam-keli2 <sup>c</sup>	– serbianc <sup>c</sup>
– buryat <sup>c</sup>	– hangul1 <sup>c,d,g</sup>	– malayalam-mr <sup>c</sup>	– slovak
– buryat2 <sup>c</sup>	– hangul2 <sup>c,d,g</sup>	– malayalam-omega <sup>c,e,g,h</sup>	– slovene
– catalan	– hangul3 <sup>c,d,g</sup>	– malayalam-rachana <sup>c</sup>	– spanish (castillan, castillian)
– chinese1 <sup>c,g</sup>	– hangul4 <sup>c,d,g</sup>	– malayalam-rachana2 <sup>c</sup>	– spanish2
– chinese2 <sup>c,g</sup>	– hangul-u8 <sup>c,e,f,g,h</sup>	– malayalam-rachana3 <sup>c</sup>	– spanish3 <sup>e,f</sup>
– croatian	– hanja1 <sup>c,d,g</sup>	– mexican	– spanish4
– czech	– hanja2 <sup>c,d,g</sup>	– mongol <sup>c</sup>	– swahili
– danish	– hanja-u8 <sup>c,e,f,g,h</sup>	– mongolb (mongolian) <sup>c,f,h</sup>	– swedish
– devanagari (hindi) <sup>c</sup>	– hebrew <sup>c,h</sup>	– ngermanb (ngerman, naustrian)	– swedish2
– dutch	– hebrew2 <sup>c,h</sup>	– ngermanb2	– thai <sup>c,d,f,g</sup>
– english <sup>†</sup> (american, australian, british, canadian, newzealand, UKenglish, USenglish)	– hindi-modern <sup>c</sup>	– norsk	– turkish
– english1	– icelandic <sup>f</sup>	– norsk2	– ukrainian (ukraineb) <sup>b,c</sup>
– english2	– interlingua	– nynorsk	– uppsorbian (usorbian)
– esperant (esperanto)	– irish	– nynorsk2	– vietnam (vietnamese) <sup>c,d</sup>
– estonian	– italian	– occitan	– welsh
– ethiopia (ethiopian) <sup>c</sup>	– italian2	– occitan2	– xalx (khalkha) <sup>c</sup>
– ethiopian2 <sup>c,e,h</sup>	– japanese <sup>c,d,g</sup>	– polish	– xalx2 <sup>c</sup>
	– japanese2 <sup>c,d,g</sup>	– polish2 <sup>c,e</sup>	– xalx3 <sup>c</sup>
	– japanese3 <sup>c,d,g</sup>	– polski <sup>c</sup>	
	– japanese4 <sup>c,d,g</sup>	– portuguese (portuges)	

() The languages between parentheses are aliases of a main language and their .mld files will load the .mld file of that main language.

† The presence of the english.mld file is mandatory.

<sup>a</sup> The arab(ic) and arab2 languages require the use of the ArabTeX package [276, 277] (by Klaus LAGALLY).

<sup>b</sup> The russian language is not yet supported by the babel system [60, 61], but russianb [286] is supported if you use babel-3.6 or a higher version; russianc is an extra. Look also at other .mld files for russian.

<sup>c</sup> Some languages may require specific fonts.

<sup>d</sup> Requires the CJK package [127, 297, 298].

<sup>e</sup> Requires Lambda (Λ), the version of L<sup>A</sup>T<sub>E</sub>X for Omega (Ω).

<sup>f</sup> Requires a 8-bits input encoding.

<sup>g</sup> Uses also a .mlo file.

<sup>h</sup> Requires a specific input encoding.

<sup>i</sup> The bicig language is also known as uighur.

<sup>j</sup> The arabi and farsi3 languages require the use of the A<sub>rab</sub>i package [243].

### 1.4.5 Section-level mini-tables

`\stcfont` The section-level table of contents is typeset in the `\stcfont` font, which is defined as `\stcSSfont` `\normalsize\rmfamily` by default. In fact, the font `\stcfont` is selected at the beginning of a `secttoc`, `sectlof` or `sectlot`.

More selective choices are made with the following fonts. Subsection entries are typeset in the `\stcSSfont` font, which is `\normalsize\bfseries` by default. Subsubsection entries are typeset in the `\stcSSSfont` font, which is `\normalsize\rmfamily` by default.

`\stcPfont` For paragraphs and subparagraphs, the commands `\stcPfont` and `\stcSPfont` are available (by default, `\normalsize\rmfamily`) if you want to use various fonts. Section-level lists of figures and tables are typeset in the fonts `\slffont` and `\sltfont`, which are defined as `\normalsize\rmfamily` by default. There are also `\slfSfont` and `\sltSfont` for sub-figures and sub-tables entries.

### 1.4.6 Titles for section-level mini-tables

`\stifont` Titles are typeset in the `\stifont` (`\normalsize\bfseries` by default) font and the text strings of the titles are defined by `\stctitle`, `\slftitle` and `\sltttitle`, which are the strings “Contents”, “Figures” and “Tables” by default. These title commands should be redefined by `\renewcommand` or `\mtcsettitle` for languages other than english.

`\mtcsettitle`  
`\mtcselectlanguage` The language definition files like `french.mld` and `english.mld` (and also many others, as listed in table 1.7 on the preceding page and explained in section 1.4.14 on page 47) are available. You can easily prepare a similar file for your preferred language (see section 2.26 on page 73). You can change the language of these titles by using the `\mtcselectlanguage{language}` macro.

### 1.4.7 Position of the titles

#### 1.4.7.1 For mini-tables at the part level

`\doparttoc` By default, titles are on the left. The preparation commands `\doparttoc`, `\dopartlof` and `\dopartlot` accept an optional argument to change the default position of the corresponding title: [l] for left (default), [c] for center, [r] for right, or [e] (or [n]) for empty (no title).  
`\parttoc` The change is global for all the document. If you want to change the position of the title for only one `parttoc` (or `partlof` or `partlot`), just use such an optional argument with the command `\parttoc` (or `\partlof` or `\partlot`).

**1.4.7.2 For mini-tables at the chapter level**

`\dominitoc` `\dominilof` `\dominilot` By default, titles are on the left. The preparation commands `\dominitoc`, `\dominilof` and `\dominilot` accept an optional argument to change the default position of the corresponding title: `[l]` for left (default), `[c]` for center, `[r]` for right, or `[e]` (or `[n]`) for “empty” (“no” title). The change is global for all the document. If you want to change the position of the title for only one minitoc (or minilof or minilot), just use such an optional argument with the command `\minitoc` (or `\minilof` or `\minilot`).

**1.4.7.3 For mini-tables at the section level**

`\dosecttoc` `\dosectlof` `\dosectlot` By default, titles are on the left. The preparation commands `\dosecttoc`, `\dosectlof` and `\dosectlot` accept an optional argument to change the default position of the corresponding title: `[l]` for left (default), `[c]` for center, `[r]` for right, or `[e]` (or `[n]`) for empty (no title). The change is global for all the document. If you want to change the position of the title for only one secttoc (or sectlof or sectlot), just use such an optional argument with the command `\secttoc` (or `\sectlof` or `\sectlot`).

**1.4.7.4 Summary of the positioning of titles**

`\doparttoc` `\dopartlof` `\dopartlot` To summarize: by default, all titles are on the left. However, each one of the following preparation commands:  
`\doparttoc` `\dopartlof` `\dopartlot`  
`\dominitoc` `\dominilof` `\dominilot`  
`\dosecttoc` `\dosectlof` `\dosectlot`  
`\mtcprepare`  
`\dosectlof` `\dosectlot` accepts an optional argument to change the positioning of the title: `[l]` for left (default), `[c]` for center, `[r]` for right, `[e]` or `[n]` for empty (no title), for all the corresponding mini-tables (for all mini-tables in the case of `\mtcprepare`).

`\parttoc` `\partlof` `\partlot` The following insertion commands:

`\parttoc` `\partlof` `\partlot`  
`\minitoc` `\minilof` `\minilot`  
`\secttoc` `\sectlof` `\sectlot`

`\secttoc` `\sectlof` `\sectlot` accept the same optional arguments, but these options change the positioning only for the title of the current mini-table.

### 1.4.8 Line spacing in the mini-tables

`\iftightmtc` With the commands `\tightmtctrue` (or the `tight` package option) and `\tightmtcfalse`  
`\tightmtctrue` (or the `loose` package option, which is the default), the mini-tables will have less (tight)  
`\tightmtcfalse` or more (loose) space between contents lines.

`\parskip` But with the KOMA-Script classes [343, 344, 399] (`scrartcl`, `scrbook` and `scrreprt`), it may  
`\parsep` sometimes be necessary to use the following options or commands, because we need to set  
`\parskip` to zero in place of `\parsep` to tighten the mini-table. The efficiency of the follow-  
ing options depends on the options given to these KOMA-Script classes (`parindent` option,  
`parskip` option and variants).

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`\ifktightmtc` For the KOMA-Script classes, with the commands `\ktightmtctrue` (or the `k-tight`  
`\ktightmtctrue` package option) and `\ktightmtcfalse` (or the `k-loose` package option, which is the  
`\ktightmtcfalse` default), the mini-tables will have less (tight) or more (loose) space between contents lines.

### 1.4.9 Simplified commands for fonts

`\mtcsetfont` To simplify the redefinition of the fonts for mini-tables, there are two useful commands:  
`\mtcsettitlefont`

```
\mtcsetfont{mini-table}{sectioning-level}{commands}
\mtcsettitlefont{mini-table}{commands}
```

For instance,

```
\mtcsetfont{minitoc}{subsection}%
{\small\rmfamily\upshape\bfseries}

\mtcsetfont{minilof}{subfigure}%
{\small\rmfamily\upshape\bfseries}
```

will redefine `\mtcSSfont` and `\mlfSfont` with the given font commands.

Note that `\mtcsetfont{parttoc}{*}{...}` allows also to redefine `\ptcfont`, etc.

Moreover,

```
\mtcsettitlefont{parttoc}{\Large\rmfamily\itshape\mdseries}
```

will redefine `\ptifont` (for titles in the `parttocs`, `partlofs` and `partlofs`) with the given font commands.

### 1.4.10 Simplified command for mini-table titles

`\mtcsettitle` To simplify the redefinition of the titles for mini-tables, the `\mtcsettitle` command is also available:

```
\mtcsettitle{mini-table}{title string}
```

For instance,

```
\mtcsettitle{minitoc}{Description of contents}
```

will redefine `\mtctitle` with the given string. This command checks that you redefine a title for a mini-table type available in your document class.

### 1.4.11 Simplified command for mini-table depths

`\mtcsetdepth` To simplify the redefinition of the depths for mini-tables, the `\mtcsetdepth` command is also available:

```
\mtcsetdepth{mini-table}{depth}
```

For instance,

```
\mtcsetdepth{minitoc}{4}
```

will set the counter `minitocdepth` with the given value. This command checks that you set a depth for a mini-table type available in your document class (and that it is possible to change its depth).

### 1.4.12 Simplified command for mini-table offsets

`\mtcsetoffset` To simplify the redefinition of the offsets for mini-tables, the `\mtcsetoffset` command is also available:

```
\mtcsetoffset{mini-table}{offset}
```

For instance,

```
\mtcsetoffset{minitoc}{-4em}
```

will set the macro `\mtcoffset` to the given value. This command checks that you set a offset for a mini-table type available in your document class (and that it is possible to change its offset).

**NOTE:** the argument of `\mtcsetoffset` is *not* verified. It must be a length value, without shrink nor stretch part. A positive offset is towards the right, a negative one towards the left.



### 1.4.13 Polymorphic entries in the mini-tables

The title of a sectioning command can appear in several places: a) at the beginning of the section, of the chapter or of the part; b) in the page header; c) in the main TOC; d) in the minitoc of the chapter (for a section title or lower); e) in the parttoc of the part (for a chapter title or lower). A sectioning command has two arguments: an optionnal one, *OA*, and a mandatory one, *MA*, like in:

```
\section[OA]{MA}
```

*OA* is taken as *MA* if omitted. Normaly, *OA* is used in the TOC and in the minitables, as in the page headers when necessary. *MA* is used as title for the sectioning unit and is the default for *OA*. But, some times, you may need to have a different version (a variant) for a sectioning unit title in a minitable. So, it is now possible to define such variants by detecting if that title is used inside some minitable: the following flags are defined (when meaningful):

Level	Flag:	for tocs,	for lofs,	for lots.
<b>Part</b>		<code>\ifinparttoc</code>	<code>\ifinpartlof</code>	<code>\ifinpartlot</code>
<b>Chapter</b>		<code>\ifinminitoc</code>	<code>\ifinminilof</code>	<code>\ifinminilot</code>
<b>Section</b>		<code>\ifinsecttoc</code>	<code>\ifinsectlof</code>	<code>\ifinsectlot</code>

But these flags are used to build three new commands, to be called from inside the optionnal argument (*OA*) of a sectioning command or that of a caption:

From <i>OA</i> of:	Command	Arg. 1	Arg. 2	Arg. 3	Arg. 4
sect. command	<code>\mtcpolymtoc</code>	<code>{→parttoc}</code>	<code>{→minitoc}</code>	<code>{→secttoc}</code>	<code>{→main toc}</code>
figure caption	<code>\mtcpolymlof</code>	<code>{→partlof}</code>	<code>{→minilof}</code>	<code>{→sectlof}</code>	<code>{→main lof}</code>
table caption	<code>\mtcpolymlot</code>	<code>{→partlot}</code>	<code>{→minilot}</code>	<code>{→sectlot}</code>	<code>{→main lot}</code>

Such entries are “polymorphic”. See the example `mtc-vti.tex`, section 4.36 on page 151, for a short demonstration.

### 1.4.14 Languages for the titles

Most of the strings defined in the language definition files (`.mld`) were taken from the superb `babel` package [60, 61] of Johannes L. BRAAMS, some were adapted, others were made available by gentle users or taken from specific packages, like `ArabTeX` [276, 277], `Arabi` [243], `ArmTeX` (armenian) [142], `BangTeX` (bangla, bengali) [362], `CervanTeX` (spanish) [47], `Devanāgarī` for `TeX` [364], `ethiop` [44], `guarani` [45], `malayalam` [4] and `omal` [5], `MonTeX` (mongol) [137, 140], `CJK` (chinese, korean-hangûl/hanja, japanese, thai) [127, 297, 298], `polski` [357, 463] (polish), `SLaTeX` [318] (swedish), `FarsiTeX` [162] (farsi or iranian), or `vietnam` [299] — `latvian` (letton), `greek-mono`, `greek-polydemo`, `greek-polykatha`, `polish2`, `russian2m`, `russian2o` and `spanish3` need *Lambda* ( $\Lambda$ ), i.e., the *Omega* ( $\Omega$ ) version of `LATeX`, (see [272]), or even found by searching on the Web (`bulgarianb.mld` for upper cyrillic bulgarian, `japanese.mld` for japanese, `serbianc.mld` for cyrillic serbian). Other languages are welcome<sup>11</sup>. See table 1.7 on page 41.

But for some oriental languages<sup>12</sup>, the sources of the titles use some exotic encodings which are difficult to manipulate in a `.dtx` file, hence the `.mld` file is then just a wrapper which loads a special file, nicknamed a `.mlo` file<sup>13</sup>, not generated by the `.dtx` file in the current version of minitoc package, but via `filecontents` environments in the `minitoc.ins` file, and playing with the “catcode” of the “delete” character.



### 1.4.15 Altering the layout of the mini-tables

The layout of a mini-table is described in the figure 1.2 on the next page (this figure is adapted from [469]), which defines some internal commands (these are not *dimensions*, but `LATeX` commands, created by `\newcommand`, modifiable via `\renewcommand`).

- `\@dotsep`, which is the separation between the dots in the dotted line. It is a pure number expressing *math units*; 18 math units make 1em (one quad), which is about the width of a “m” in the current font. As the real size of 1em is font dependent, the separation between the dots may vary if you use different fonts for different types of entries in the mini-tables.
- `\@pnumwidth`, is the width of the space reserved for the page number. It is a `LATeX` command containing the representation of a length (e.g., 1.55em).
- `\@tocrmarg`, is the distance (margin) between the right border of the table and the end of the dotted line. It should be larger than `\@pnumwidth`, and can be a rubber length (i.e., contain some glue, like 2.55em plus 1fil); if you specify the

<sup>11</sup>I am searching for the titles in corsican, in particular.

<sup>12</sup>Mainly for chinese, farsi, hangûl (korean), hanja (korean), japanese, malayalam-omega, thai and some variants of russian.

<sup>13</sup>The extension `.mlo` means *minitoc language object*.

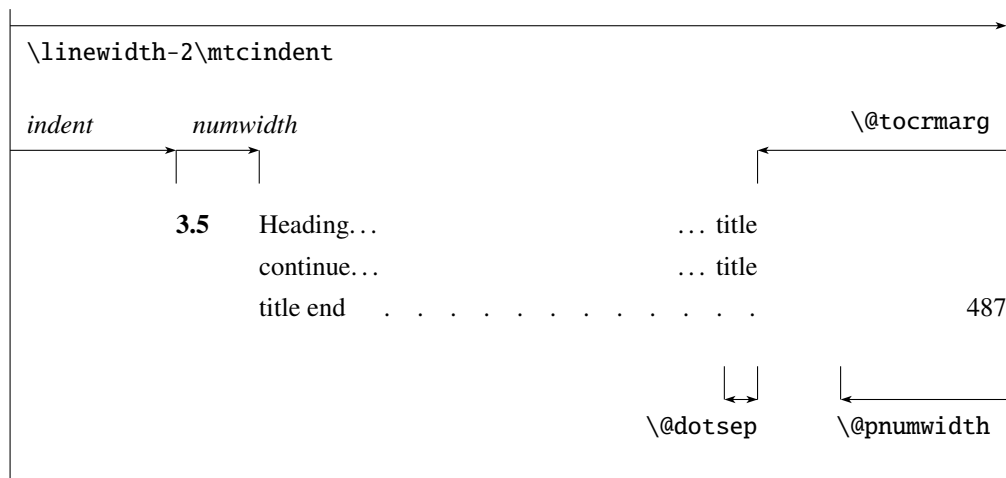


Figure 1.2: Layout of a ToC (LoF, LoT) entry

“... plus 1fil” portion, the text of the entry will be ragged on right; it is useful if you have long entries, and it can avoid most hyphenations.

`\mtcsetformat` As these commands are internal (their names contain the “@” character) and must have a local effect only on the specified kinds of mini-tables, you should alter them indirectly via the `\mtcsetformat` command:

```
\mtcsetformat{mini-table}{parameter}{value}
```

where *mini-table* is one of the `parttoc`, `partlof`, `partlot`, `minitoc`, `minilof`, `minilot`, `secttoc`, `sectlof` or `sectlot` keywords; *parameter* is one of the `dotinterval` (for `\@dotsep`), `pagenumwidth` (for `\@pnumwidth`), or `tocrightmargin` (for `\@tocrmarg`) keywords; so:

```
\mtcsetformat{partlof}{tocrightmargin}{2.55em plus 1fil}
```

will set the right margin to 2.55em plus 1fil in the lists of tables at the part level. The elasticity (plus 1fil) is useful if the table captions are long (it prevents most hyphenations).

Note that the `tocrightmargin` (for `\@tocrmarg`) parameter should obviously be greater than the `pagenumwidth` parameter (this appears in the figure 1.2).

If the `dotinterval` parameter (for `\@dotsep`) is large enough (try 450, then increase or decrease), the dots of leaders will be so much spread out that they will disappear.



Table 1.8: Horizontal rules

				defaults for		
rules in		no rules in		book	report	article
<code>\ptcrule</code>	parttoc	<code>\noptcrule</code>	parttoc	N	N	Y
<code>\plfrule</code>	partlofs	<code>\noplfrule</code>	partlofs	N	N	Y
<code>\plrulerule</code>	partlots	<code>\noplrulerule</code>	partlots	N	N	Y
<code>\mtcrule</code>	minitocs	<code>\nomtcrule</code>	minitocs	Y	Y	(NA)
<code>\mlfrule</code>	minilofs	<code>\nomlfrule</code>	minilofs	Y	Y	(NA)
<code>\mltrulerule</code>	minilots	<code>\nomltrulerule</code>	minilots	Y	Y	(NA)
<code>\stcrule</code>	secttoc	<code>\nostcrule</code>	secttoc	(NA)	(NA)	Y
<code>\slfrule</code>	sectlofs	<code>\noslfrule</code>	sectlofs	(NA)	(NA)	Y
<code>\sltrulerule</code>	sectlots	<code>\nosltrulerule</code>	sectlots	(NA)	(NA)	Y

(NA) = not available.

Table 1.9: Page numbers

Type	Page numbers (Default)	No page numbers
parttoc	<code>\ptcpagenumbers</code>	<code>\noptcpagenumbers</code>
minitoc	<code>\mtcpagenumbers</code>	<code>\nomtcpagenumbers</code>
secttoc	<code>\stcpagenumbers</code>	<code>\nostcpagenumbers</code>
partlof	<code>\plfpagenumbers</code>	<code>\noplfpagenumbers</code>
minilof	<code>\mlfpagenumbers</code>	<code>\nomlfpagenumbers</code>
sectlof	<code>\slfpagenumbers</code>	<code>\noslfpagenumbers</code>
partlot	<code>\pltpagenumbers</code>	<code>\nopltpagenumbers</code>
minilot	<code>\mltpagenumbers</code>	<code>\nomltpagenumbers</code>
sectlot	<code>\sltpagenumbers</code>	<code>\nosltpagenumbers</code>

## 1.5 Special Features

### 1.5.1 Horizontal Rules

`\mtcsetrules` By default, most of mini-tables have horizontal rules after their titles and at their ends. The exception is the “parttoc” in a book- or report-like document (i.e., when `\chapter` is defined). To activate or deactivate these rules, the commands of the table 1.8 are available. But you can also use the following command, which is simpler:

```
\mtcsetrules{mini-table|*}{on|off}
```

where *mini-table* is one of the `parttoc`, `partlof`, `partlot`, `minitoc`, `minilof`, `minilot`, `secttoc`, `sectlof`, or `sectlot` keywords; if the first argument is a star (\*), all mini-tables are affected; the keywords `on` and `off` have the following synonyms<sup>14</sup> :

- `on`, `ON`, `yes`, `YES`, `y`, `Y`, `true`, `TRUE`, `t`, `T`, `vrai`, `VRAI`, `v`, `V`, `oui`, `OUI`, `o`, `O`, `+`, and `1`;
- `off`, `OFF`, `no`, `NO`, `n`, `N`, `false`, `FALSE`, `faux`, `FAUX`, `f`, `F`, `non`, `NON`, `-`, and `0`.

### 1.5.2 Page Numbers, Leaders

`\mtcsetpagenumbers` By default, the page numbers are listed in each `minitoc`, `minilof`, etc. Some authors want only the section titles (with the section numbers), but without page numbers. Hence the obvious declarations of table 1.9 on the preceding page are available. But you can also use the following command:

```
\mtcsetpagenumbers{mini-table|*}{on|off}
```

where *mini-table* is one of the `parttoc`, `partlof`, `partlot`, `minitoc`, `minilof`, `minilot`, `secttoc`, `sectlof`, or `sectlot` keywords; the keywords `on` and `off` have the following synonyms<sup>14</sup> :

- `on`, `ON`, `yes`, `YES`, `y`, `Y`, `true`, `TRUE`, `t`, `T`, `vrai`, `VRAI`, `v`, `V`, `oui`, `OUI`, `o`, `O`, `+`, and `1`;
- `off`, `OFF`, `no`, `NO`, `n`, `N`, `false`, `FALSE`, `faux`, `FAUX`, `f`, `F`, `non`, `NON`, `-`, and `0`.

If the first argument is a star (\*), all mini-tables are affected.

In the mini-tables, they are leaders of dots between the section titles and the page numbers. The `undotted` package option removes these dots. The `dotted` package option is the default. See also section 1.4.15 on page 47.

### 1.5.3 Features for parttocs and other mini-tables

By default, a `parttoc` (or a `partlof` or a `partlot`), in a `book-` or `report-`class document, is preceded and followed by a `\cleardoublepage` (which acts like `\clearpage` in a one-side document), and has a page style of `empty`. Since version #32, you can modify this behaviour by redefining the commands of table 1.10 on the following page, whose meaning is often obvious. A feature defined as `\empty` does nothing.

---

<sup>14</sup> `O` and `o` are the letter O, `0` is the zero digit.

Table 1.10: Features for mini-tables

Type	Command	Default
parttoc	<code>\beforeparttoc</code>	<code>\cleardoublepage</code>
parttoc	<code>\afterparttoc</code>	<code>\cleardoublepage</code>
parttoc	<code>\openparttoc</code>	<code>\empty</code>
parttoc	<code>\closeparttoc</code>	<code>\empty</code>
parttoc	<code>\thispageparttocstyle</code>	<code>\thispagestyle{empty}</code>
partlof	<code>\beforepartlof</code>	<code>\cleardoublepage</code>
partlof	<code>\afterpartlof</code>	<code>\cleardoublepage</code>
partlof	<code>\openpartlof</code>	<code>\empty</code>
partlof	<code>\closepartlof</code>	<code>\empty</code>
partlof	<code>\thispagepartlofstyle</code>	<code>\thispagestyle{empty}</code>
partlot	<code>\beforepartlot</code>	<code>\cleardoublepage</code>
partlot	<code>\afterpartlot</code>	<code>\cleardoublepage</code>
partlot	<code>\openpartlot</code>	<code>\empty</code>
partlot	<code>\closepartlot</code>	<code>\empty</code>
partlot	<code>\thispagepartlotstyle</code>	<code>\thispagestyle{empty}</code>
minitoc	<code>\beforeminitoc</code>	<code>\empty</code>
minitoc	<code>\afterminitoc</code>	<code>\empty</code>
minitoc	<code>\openminitoc</code>	<code>\empty</code>
minitoc	<code>\closeminitoc</code>	<code>\empty</code>
minitoc	<code>\thispageminitocstyle</code>	<code>\empty</code>
minilof	<code>\beforeminilof</code>	<code>\empty</code>
minilof	<code>\afterminilof</code>	<code>\empty</code>
minilof	<code>\openminilof</code>	<code>\empty</code>
minilof	<code>\closeminilof</code>	<code>\empty</code>
minilof	<code>\thispageminilofstyle</code>	<code>\empty</code>
minilot	<code>\beforeminilot</code>	<code>\empty</code>
minilot	<code>\afterminilot</code>	<code>\empty</code>
minilot	<code>\openminilot</code>	<code>\empty</code>
minilot	<code>\closeminilot</code>	<code>\empty</code>
minilot	<code>\thispageminilotstyle</code>	<code>\empty</code>
secttoc	<code>\beforesecttoc</code>	<code>\empty</code>
secttoc	<code>\aftersecttoc</code>	<code>\empty</code>
secttoc	<code>\opensecttoc</code>	<code>\empty</code>
secttoc	<code>\closesecttoc</code>	<code>\empty</code>
secttoc	<code>\thispagesecttocstyle</code>	<code>\empty</code>
sectlof	<code>\beforesectlof</code>	<code>\empty</code>
sectlof	<code>\aftersectlof</code>	<code>\empty</code>
sectlof	<code>\opensectlof</code>	<code>\empty</code>
sectlof	<code>\closesectlof</code>	<code>\empty</code>
sectlof	<code>\thispagesectlofstyle</code>	<code>\empty</code>
sectlot	<code>\beforesectlot</code>	<code>\empty</code>
sectlot	<code>\aftersectlot</code>	<code>\empty</code>
sectlot	<code>\opensectlot</code>	<code>\empty</code>
sectlot	<code>\closesectlot</code>	<code>\empty</code>
sectlot	<code>\thispagesectlotstyle</code>	<code>\empty</code>

---

`\mtcsetfeature{mini-table}{before|after|open|close|pagestyle}{command}`  
 Modifies the features for a mini-table.

---

`\mtcsetfeature` The command:

```
\mtcsetfeature{mini-table}{keyword}{commands}
```

allows you to redefine any of these commands. *mini-table* is one of the mini-table names: `parttoc...` `sectlot`. *keyword* is one of the followings: `before`, `after`, `open`, `close` or `pagestyle`. *commands* is either a sequence of commands like `\clearpage`, `\cleardoublepage`, `\thispagestyle{...}`, etc., either `\empty` (does nothing).

### 1.5.3.1 Remark about page styles<sup>15</sup>

`\mtcsetfeature` The default commands for part-level mini-tables page styles are defined as being simply  
`\thispagestyle` a standard `\thispagestyle{empty}` command, because in document classes defining the  
`\pagestyle` `\chapter` command (like `book` or `report`), the part-level mini-tables are on their own pages.  
`\cleardoublepage` If the document is printed recto-verso, the first page is recto. Usually, these pages are not numbered and have no header and no footer. This behaviour is a consequence from the default definitions of the commands of table 1.10 on the page before. If you want an other behaviour, you can change these definitions. Note that, by default, only the *first* page of these mini-tables are in the empty page style. You can set the style of this first page by using `\thispagestyle` and set the style of the following pages by using `\pagestyle`, but you must not forget to reset the normal style after the mini-table. Look at this short theoretical example<sup>16</sup>:



```
\mtcsetfeature{parttoc}{before}%
  {\cleardoublepage}
\mtcsetfeature{parttoc}{pagestyle}%
  {\thispagestyle{empty}\pagestyle{myheadings}}
\mtcsetfeature{parttoc}{after}%
  {\cleardoublepage\pagestyle{headings}}
```

where we add a `\cleardoublepage` before each `parttoc`, then we set the `empty` page style for the first page of the `parttocs`, the `myheadings` page style for the following pages of the `parttocs`, and set `headings` page style for the pages after the mini-table, after a `\cleardoublepage`.

## 1.5.4 The “Chapter 0” Problem (solved)

Some documents do not begin with chapter number one, but with chapter number zero (or even a weirder number).

<sup>15</sup>This remark is taken and adapted from a draft of the second edition of the JMPL [29], by Benjamin BAYART, where he comments the minitoc package.

<sup>16</sup>This example shows that the third argument can be a *sequence* of commands: we set the style of the current page and the style of the following pages.

`\firstpartis` **Before version #23 (1994/11/08)** To make the minitoc package work with such documents, you must insert the command:

`\addtocounter`

`\dominitoc`

`\firstchapteris` `\firstchapteris{⟨N⟩}`

`\firstsectionis` before the `\dominitoc` and analogous commands.  $\langle N \rangle$  is the number of the first chapter. This command *does not* modify the numbering of chapters, you must use a

`\addtocounter{chapter}{-1}`

command to get a first chapter numbered 0. The `\firstpartis` and `\firstsectionis` commands are similar for parts and sections with a non standard numbering.

**Since version #23 (1994/11/08)** These commands are now obsolete, as this problem has been solved (via the “absolute” numbering of the mini-table auxiliary files). Thus now they just produce harmless warnings.

W0003  
W0004  
W0005

### 1.5.5 Special Entries in the TOC

If you want to add entries in the Table of Contents for objects like the Table of Contents itself, the List of Figures, the List of Tables, the Bibliography or the Index, you should use the `tocbibind` package [472] by Peter R. WILSON (package available from the CTAN archives).



I0046

`\dominitoc` But these entries are considered as chapters (or sections in an article class document) when the `.toc` file is scanned to prepare the minitocs (the `\dominitoc` phase).

Note that the same problems appear if you use one of the `scrbook`, `scrreprt` or `scrartcl` KOMA-Script classes [343, 344, 399] with some options (`liststotoc`, `liststotocnumbered`, `bibtotoc`, `bibtotocnumbered`, and `idxtotoc`). The solutions are the same ones.

I0043

`\mtcaddchapter` So you must add an `\mtcaddchapter` command, *without argument*, after each of the involved commands `\tableofcontents`, `\listoffigures`, and `\listoftables`.

`\tableofcontents`

`\listoffigures`

`\listoftables`

`\adjustmtc` For the bibliography, you should add a `\adjustmtc` command after the `\bibliography` command.

`\bibliography`

`\printglossary` For the glossary, it is a bit more complicated, you should add the following commands just after the `\printglossary` command:

`\addcontentsline`

`\mtcaddchapter`

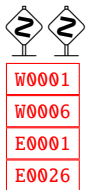
`\mtcfixglossary`

```
\addcontentsline{lof}{xchapter}{}
\addcontentsline{lot}{xchapter}{}
\mtcaddchapter
```

But this can be done by:

```
\mtcfixglossary[chapter|section|part]
```

where the optional argument is the level for the glossary entry in the TOC. By default, if `\chapter` is defined, the `chapter` level is used, else the `section` level. If neither `\chapter` or `\section` are defined, the `part` level will be used if `\part` is defined; else an error is reported. You *must* check the result and, if necessary, adjust the optional argument.



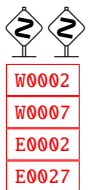
`\printindex` For the index, it is like for the glossary, you should add the following commands just after the `\printindex` command:

```
\addcontentsline
\mtcaddchapter
\mtcfixindex
\addcontentsline{lof}{xchapter}{}
\addcontentsline{lot}{xchapter}{}
\mtcaddchapter
```

But this can be done by:

```
\mtcfixindex[chapter|section|part]
```

where the optional argument is the level for the index entry in the TOC. By default, if `\chapter` is defined, the `chapter` level is used, else the `section` level. If neither `\chapter` or `\section` are defined, the `part` level will be used if `\part` is defined; else an error is reported. You *must* check the result and, if necessary, adjust the optional argument.



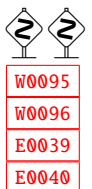
`\printnomenclature` For the nomenclature<sup>17</sup>, it is like for the glossary, you should add the following commands just after the `\printnomenclature` command:

```
\addcontentsline
\mtcaddchapter
\mtcfixnomenclature
\addcontentsline{lof}{xchapter}{}
\addcontentsline{lot}{xchapter}{}
\mtcaddchapter
```

But this can be done by:

```
\mtcfixnomenclature[chapter|section|part]
```

where the optional argument is the level for the nomenclature entry in the TOC. By default, if `\chapter` is defined, the `chapter` level is used, else the `section` level. If neither `\chapter` or `\section` are defined, the `part` level will be used if `\part` is defined; else an error is reported. You *must* check the result and, if necessary, adjust the optional argument.



<sup>17</sup>If you are using the `nomenc` package [456] or the `nomentbl` package [161] (`nomentbl` calls `nomenc`).

Of course, in documents where the TOC, LOF, LOT, bibliography and/or glossary (or index or nomenclature) are processed as starred sections, you must modify these additions to use section level commands.

And proceed *with extreme care*, tracking in the `document.log` file the insertion of `.mtc<N>` files (and siblings). They are some examples in the `mtc-add.tex` (see section 4.4 on page 99), `mtc-ads.tex` (see section 4.5 on page 103), and `mtc-nom.tex` (see section 4.26 on page 138) files distributed with minitoc. The `mtc-ads.tex` example shows how much that problem is difficult.



## 1.6 The notoccite option

`\cite` This option loads the notoccite package [14] (by Donald ARSENEAU). It avoids problems with `\cite` commands in sectioning commands or captions: if you then run `BIBTEX` using the `unsorted` style, or a similar style, these citations get numbered starting from the page in the table of contents where is the parasite citation, not the number they should have in the main text. The notoccite package prevents this. As minitoc prints TOCs, it is subject to the same problem. See also <http://www.tex.ac.uk/cgi-bin/texfaq2html?label=bibtocorder>.

## 1.7 The listfiles and nolistfiles options

The `listfiles` package option creates a list of the minitoc auxiliary files into the file `document.maf`<sup>18</sup>. This feature can help you to remove these auxiliary files which are no more necessary after the `LATEX` run. Under Unix or Linux, you can try:

```
cat document.maf | xargs -i -t \rm {}
```

## 1.8 The hints option

This package option detects some actions and the loading of some packages and classes known as interacting with minitoc, and also some frequent misuses and errors. This list of interacting packages and classes is, of course, not closed. If a known package is loaded, this option writes some hints in the `document.log` file and emits a warning. The hints written in the `document.log` file may suggest you to consult the present document or the `minitoc.bug` file. *Your advice about this option will be welcome.* This option is activated by default, but you can inhibit it via the `nohints` option. The following (potential) problems are currently detected:



<sup>18</sup>This package option is now (since version #48) the default (list created).

- `\part` • Alteration of some of the following commands<sup>19</sup>: `\part`, `\@part`, `\@spart`, `\chapter`, `\@chapter`, `\@schapter`, `\section`, `\@sect`, and `\@ssect`. Note that the `hyperref` (see section 2.17 on page 65) package alters these commands at `\begin{document}`, hence this problem might be reported if you use this package, but these alterations seem harmless. Note that the `hyperref` must be loaded *before* `minitoc`.
- `\@chapter` • Presence of the following packages or classes, which need some precautions: `amsbook` (class), `memoir` (class), `appendix`, `placeins` (beware to its options and its release date (2005/04/18 at least)), `scrbook` (class), `scrreprt` (class), `scrartcl` (class), `tocbibind`, and `tocloft`.
- `\@ssect` • Presence of the following packages or classes, which, unfortunately, are *incompatible* with the `minitoc` package: `amsart` (class), `amspdoc` (class), `alphanum`, `flowfram`<sup>20</sup>, `jura` (class), `titlesec`, and `titletoc`<sup>21</sup>.
- `\parttoc` • Usage of `\parttoc` without calling `\doparttoc`, ... , usage of `\sectlot` without calling `\dosectlot`; or the reverse.
- `\dosectlot` • Usage of `\parttoc` without calling `\[fake]tableofcontents`, ... , of `\sectlot` without calling `\[fake]listoftables`.
- `\listoftables` • Usage of `\sectlof` and/or `\sectlot` without using the `insection` package option of `minitoc` (or the `placeins` package without its `section` option).
- `\sectlof` • If you are using short extensions (because of your operating system or the `shorttext` package option, see section 1.9 on the following page) and go beyond the limit of 99 parts, chapters or sections, the `hints` package option displays a warning.
- `\mtcaddchapter` • If the `abstract` package [470] (by Peter R. WILSON), is used with its `addtotoc` option, a “Abstract” entry is added to the table of contents, as a starred chapter if the document class defines `\chapter`, else as a starred section. This is detected and you should add a `\mtcaddchapter[]` or a `\mtcaddsection[]` command after your `abstract` environment.
- If the `sectsty` package [319] (by Rowland McDONNELL) is used, it must be loaded *before* the `minitoc` package. The interaction has been pointed out by Bil KLEB.
  - If the `varsects` package [437] (by Daniel TAUPIN<sup>†</sup>) is used, it must be loaded *before* the `minitoc` package.
  - If the `fncychap` package [301] (by Ulf A. LINDGREN) is used, it must be loaded *before* the `minitoc` package.
  - If the `hangcaption` package [250] (by David M. JONES) is used, it must be loaded *before* the `minitoc` package.
  - If the `quotchap` package [442] (by Karsten TINNEFELD) is used, it must be loaded *before* the `minitoc` package.



W0026

W0027

W0025

W0097

W0029

W0040

W0099

W0056

W0053

W0054

W0055

I0040

W0037

W0038

W0086

W0092

W0087

<sup>19</sup>The commands containing the “@” character in their names are internal commands of L<sup>A</sup>T<sub>E</sub>X, of a package or of a class; they are sometimes altered by another packages; reconsider then the loading order of the packages.

<sup>20</sup>This package has its own system for minitocs.

<sup>21</sup>The `titlesec` package redefines the sectioning commands in a way completely alien to the standard L<sup>A</sup>T<sub>E</sub>X way; hence `minitoc` and `titlesec-titletoc` are fundamentally *incompatible*, and it is very sad.



- If the romannum package [480] (by Peter R. WILSON) is used, it must be loaded *before* the minitoc package. W0088
  - If the sfheaders package [304] (by Maurizio LORETI) is used, it must be loaded *before* the minitoc package. W0089
  - If the alnumsec package [274] (by Frank KÜSTER) is used, it must be loaded *before* the minitoc package. W0090
  - If the captcont package [131] (by Steven Douglas COCHRAN) is used, it must be loaded *before* the minitoc package. W0091
  - If one of the caption [421, 422, 424], caption2<sup>22</sup> [423], (both written by Axel SOMMERFELDT), ccaption [474] (written by Peter R. WILSON), or mcaption [228] (written by Stephan HENNIG), packages is used, it must be loaded *before* the minitoc package. W0033  
W0034  
W0035  
W0036
  - If one of the float [302], floatrow [285], trivfloat [484], or rotfloat [420] packages is used, you must remember that *you can not use* the minitoc facilities for preparing mini-tables of floats of the new defined types. I0053
  - If you try to insert empty mini-tables, the hints option gives a global warning (except if you used also the nocheckfiles option, see section 1.3.3 on page 32). I0006
- \firstpartis • If you use one of the obsolete commands (\firstpartis, \firstchapteris, or \firstchapteris \firstsectionis), a warning is issued for each use, of course, but also a global \firstsectionis hint as reminder. W0003  
W0004  
W0005
- If you invoke a same preparation command more than once, an informative hint is issued for each spurious invocation.

## 1.9 Usage with MS-DOS

Under MS-DOS (and other PC oriented old operating systems), the filename extensions are limited to 3 characters. The minitoc package determines dynamically the type of extensions available and will use it. All other modifications will be done automatically. The .mtc⟨N⟩ extensions will become .M⟨N⟩, where ⟨N⟩ is the absolute chapter number. The extensions .mlf⟨N⟩ and .mlt⟨N⟩ become .F⟨N⟩ and .T⟨N⟩. The .ptc⟨N⟩ extensions become .P⟨N⟩, where ⟨N⟩ is the absolute part number. The extensions .plf⟨N⟩ and .plt⟨N⟩ become .G⟨N⟩ and .U⟨N⟩. The .stc⟨N⟩ extensions become .S⟨N⟩, where ⟨N⟩ is the absolute section number. The extensions .slf⟨N⟩ and .slt⟨N⟩ become .H⟨N⟩ and .V⟨N⟩. All these extensions are listed in table 1.11 on the following page. Of course, this implies a limit of 99 chapters in a document, but do you really need so many chapters (or sections in an article)? The limit of 99 parts does not seem too serious for most documents, but for sections, it could be tragical. The hints option (section 1.8 on page 55) will report such situations. See also section 2.5 on page 61.

<sup>22</sup>This package is obsolete; now use the caption package.



W0053

W0054

W0055

Table 1.11: Extensions of the auxiliary files

<b>mini-table</b>	<b>long extensions</b> (UNIX, etc.)	<b>short extensions</b> (MS-DOS, etc.)
parttoc	.ptc $\langle N \rangle$	.P $\langle N \rangle$
partlof	.plf $\langle N \rangle$	.G $\langle N \rangle$
partlot	.plt $\langle N \rangle$	.U $\langle N \rangle$
minitoc	.mtc $\langle N \rangle$	.M $\langle N \rangle$
minilof	.mlf $\langle N \rangle$	.F $\langle N \rangle$
minilot	.mlt $\langle N \rangle$	.T $\langle N \rangle$
secttoc	.stc $\langle N \rangle$	.S $\langle N \rangle$
sectlof	.slf $\langle N \rangle$	.H $\langle N \rangle$
sectlot	.slt $\langle N \rangle$	.V $\langle N \rangle$

## 1.10 Why several L<sup>A</sup>T<sub>E</sub>X runs are required?

The mini-tables, at part, chapter and section levels, are using some space on the first pages on each chapter, part or section, thus the page numbers are altered. After the first L<sup>A</sup>T<sub>E</sub>X run, the mini-tables and lists, partial tables and lists and section-level tables and lists will be empty (in fact skipped since version #35); after the second run, they appear (if not empty), but because they modify the page numbering, page numbers are wrong; after the third L<sup>A</sup>T<sub>E</sub>X run, the mini-, part- and section-level tables and lists should be correct (see figure 2.1 on page 62).

## 1.11 The mtcoff package

If a document has been prepared with the minitoc package, it contains many minitoc specific commands, most of them being `\dominitoc`, `\faketableofcontents`, and `\minitoc` commands (and their equivalents for lists of figures and tables). If you want to typeset this document without any mini-table, you have just to replace the minitoc package by the mtcoff package (without option), and all these commands will be ignored, eventually writing warning messages in the `document.log` file. At least two L<sup>A</sup>T<sub>E</sub>X runs will be necessary to get a correct page numbering and cross references. It also sanitizes the `.aux`, `.toc`, `.lof`, and `.lot` files from minitoc specific commands which are now spurious.

## Chapter 2

# Frequently Asked Questions

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## 2.0 Introduction

Here is a list of problems and frequently asked questions about the `minitoc.sty` package. If the version has a number less than 60, please upgrade to version #60. This list is also given in the `minitoc.bug` file, in pure text form. The numbering of this list is done by date of the first occurrence of the question.

If a problem arises, it is often wise to: a) use the `hints` option (see section 1.8 on page 55), which is activated by default, and b) read the `document.log` file, which may contain pertinent messages. If you do not find a solution, ask a question on an adequate news group, like `fr.comp.text.tex` (in french) or `comp.text.tex` (in english) preferably, groups which I try to follow, or send me a mail in last resort (please join a minimal but complete example [384, 432]<sup>1</sup> (or “MCE”) reproducing the problem; this example should use the `hints` option).

---

<sup>1</sup> See also: <http://www.tex.ac.uk/cgi-bin/textfaq2html?label=minxampl> and <http://www.tex.ac.uk/cgi-bin/textfaq2html?label=askquestion> for good advices.

## 2.1 Avoiding a page break near the rules before and after a mini-table

`\enlargethispage` This problem seemed solved since version #8, but version #12 added better fixes. You may have to make some final tuning with `\enlargethispage`. See the L<sup>A</sup>T<sub>E</sub>X manual [279]. The `needspace` package [468] may also be useful.

## 2.2 Implementing others layouts for a mini-table

Suggestions are welcome, but look at the section 1.4.15 on page 47. There are yet some examples in chapter 4 on page 93, for some layouts, like mini-tables on two or three columns.

## 2.3 A “\” command in a contents line makes an error

`\\` Use `\protect\linebreak`. The `\\` command should be used only in tabular material  
`\protect` (tabular environment and similar, or in the `tabbing` environment) and in math arrays and  
`\linebreak` equations, or in the quote-like environments.

## 2.4 Reordering chapters makes havoc

*If you reorder chapters, havoc follows... mini-tables going in wrong chapters.*

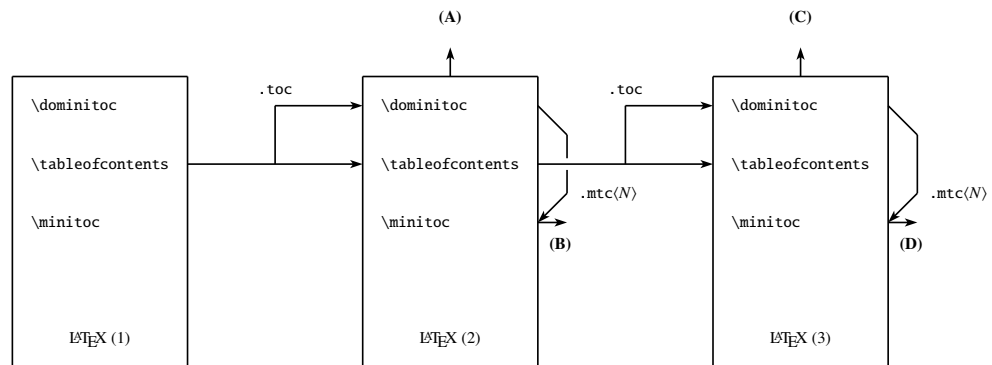
The best way seems to make one run with the `mtcoff` package replacing the `minitoc` package, then restore the `minitoc` package and re-execute L<sup>A</sup>T<sub>E</sub>X at least three times (yes, it is time consuming...). See figure 2.1 on the next page<sup>2</sup>. Running with the `mtcoff` package ensures that the standard auxiliary files are cleared from “spurious” commands introduced by `minitoc`. A more radical solution is to delete the `.aux`, `.toc`, `.lof` and `.lot` files relative to the document, then re-execute L<sup>A</sup>T<sub>E</sub>X at least three times.

## 2.5 Extensions for the names of auxiliary files

*This package creates auxiliary files with extensions like `.mtc(N)`. Some operating systems allow only 3 characters extensions. What to do?*

---

<sup>2</sup> I used the `pict2e` package [178], by Hubert GÄSSLEIN, Rolf NIEPRASCHK and Josef TKADLEC, to prepare this figure.



- (A) `\tableofcontents` produces a table of contents, which is likely inaccurate.  
 (B) `\minitoc` produces minitocs, which are likely inaccurate.  
 (C) `\tableofcontents` produces a table of contents, which is accurate.  
 (D) `\minitoc` produces minitocs, which are accurate.

Figure 2.1: Three compilations for minitoc

No modification is needed: all became automatic since version #28! If you insist to use 3 characters extensions, even on operating systems allowing more, just use the package option `shorttext`. Then you will get first the autoconfiguration messages, then a message saying that you will use short extensions. But then be careful to not have more than 99 mini-tables of the same kind (even empty)!

W0053  
W0054  
W0055

## 2.6 Playing with the chapter number

`\setcounter` `\chapter` *Do not cheat* with the “chapter” counter, i.e., do not write ugly things like:

```
\setcounter{chapter}{6}
```

The mechanism would break. It is better to add `\chapter` commands, to create empty (but numbered in a legal way) chapters. Since version #10, the minitoc package works with appendices. Version #19 allows to begin with a chapter other than number 1. And look at “Special Entries in the TOC”, section 1.5.5 on page 53.

Since version #23 (1994/11/08), the numbering of chapters and that of minitocs are independent, so that problem just vanished.

The same remarks apply to the part and section counters.



## 2.7 Supported document classes

The `minitoc` package is restricted to document classes which define chapters in the standard way, like “book” and “report”, or sections in the standard way, like “article” [282]. There are “parttocs” if the document class defines the `\part` command. Note that classes like “letter” [283], which have not the classical sectioning structure, cannot be supported. Classes using sectioning commands with other names are not supported<sup>3</sup>. See also section 2.24 on page 69.

W0017

## 2.8 Compatibility with L<sup>A</sup>T<sub>E</sub>X versions

Some users have failed to make `minitoc` to work. They got a message like:

W0021

```
Package minitoc Warning: W0021
Undefined command ... \@inputcheck ...
Your version of latex.tex is obsolete. Trying to continue...
```

or:

W0022

```
Package minitoc Warning: W0022
Undefined command ... \reset@font ...
Your version of latex.tex is very obsolete.
Trying to continue... crossing fingers.
```

The `\reset@font` command has been added to `latex.tex` on September 29th, 1991 and the `\@inputcheck` command on March 18th, 1992 and this version of `latex.tex` has been released on March 25th, 1992. If you get this message, you have an old version of `latex.tex`. Get a recent one from the archives (or a recent distribution) and regenerate a `latex.fmt` format via `initex` (or your configuration tool).

## 2.9 Other mini-tables

Some demanding users want to have `minilof`, `minilot` and `minibbl` (mini-bibliographies per part, chapter or section). First, “`minibbl`” is another problem, strongly related to the B<sub>I</sub>B<sub>T</sub>E<sub>X</sub>’s dealing with `.aux` files. Look at the `chapterbib` [19], `bibunits` [210], `multibib` [211], `bibtopic` [25], and `splitbib` [314] packages. Version #13 has implemented basic `minilofs` and `minilots`. `Minibbbls` are not the aim of this package<sup>4</sup>.

<sup>3</sup> This would be very difficult: any user can create new sectioning commands (often with the help from some packages) with standard or new names; this is only limited by the imagination. The `minitoc` package relies on the names of the standard sectioning commands and on the syntax of these commands.

<sup>4</sup> See <http://www.tex.ac.uk/cgi-bin/textfaq2html?label=multibib>

## 2.10 Why so many auxiliary files?

This package creates a lot of auxiliary files and some users have argued that it is too many. A deep redesign would be necessary to avoid that. Using only one big auxiliary file (or one for all minitocs, one for all minilofs, ...) would make the reading of such file very slow, as it would be read for each `\miniXXX` macro! Moreover, this would make the `checkfiles` (see section 1.3.3 on page 32) package option impractical to implement. Note that the many files `*.mtc*`, etc., may be deleted after the  $\LaTeX$  run. They are rebuilt by the preparation commands (like `\dominitoc` and `siblings`). But, since version #35, `minitoc` is able to detect and skip empty `*.mtc*` files (and `siblings`) to avoid ugly titles with just two thin rules. It would not be easy to do with only one big auxiliary file. Since version #44, the `listfiles` package option is available to create a list of these auxiliary files; see section 1.7 on page 55.

These files contain the mini-tables extracted from the `.toc`, `.lof`, and `.lot` files. They are no more useful after the  $\LaTeX$  run. If you run  $\LaTeX$  via a script or a “makefile”, it may be useful to add to it a cleaning feature (which should be optional, to allow debugging). The table 1.11 on page 58 gives the list of the extensions for these files (note that a `document.mtc` auxiliary file is also created as a scratch file).

As an example, you can look at the rubber tool [34] (written in Python) provided by Emmanuel BEFFARA:

<http://iml.univ-mrs.fr/~beffara/soft/rubber/>

## 2.11 Mini-tables at levels other than chapter

Here also, some redesign was needed. From version #15, there are `parttocs`, `partlofs` and `partlots` for the part level in `book` | `report`-like and `article`-like documents, `secttocs`, `sectlofs` and `sectlots` for the section level in `article`-like documents. Note that you can not have `minitocs` features at chapter and section level in the same document, because doing so would make an almost unreadable monster. The user must choose the main class of the document according to the size of it (e.g., do not write an article of more than 100 sections: this is a report, or even a book!).

	part	chapter	section
book	*	*	
report	*	*	
article	*		*



## 2.12 Incompatibility with L<sup>A</sup>T<sub>E</sub>X 2.09

`\protect`    The more recent version of L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> adds `\protect` before `\contentsline` in the `.toc`,  
`\contentsline`    `.lof` and `.lof` files. The version #17 of `minitoc` attempts to be compatible with L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> and  
 L<sup>A</sup>T<sub>E</sub>X 2.09. This will be the *last* version usable with L<sup>A</sup>T<sub>E</sub>X 2.09. Versions #18 and later are  
 L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> specific, and no more compatible with L<sup>A</sup>T<sub>E</sub>X 2.09, which is completely obsolete.

## 2.13 Documents resetting the chapter number at each part

Since version #23, `minitoc` works with document classes resetting chapter (or section) number at each part (or chapter). This is possible because the auxiliary files for the mini-tables have now an *absolute* number.

## 2.14 The mini-tables have too much spaced lines

From version #29, you can have tight mini-tables with the `tight` option, and with the `k-tight` option for the KOMA-Script classes [343, 344, 399] (since version #43).

## 2.15 The secttocs are wrong

Secttocs did not work: corrected (version #38).

## 2.16 Removing the lines of dots

The lines of dots (leaders) between section titles and page numbers are removed by the `undotted` option (#29). See also section 1.4.15 on page 47.

## 2.17 Using the hyperref package with minitoc

Since version #31, `minitoc` works correctly with the powerful `hyperref` package [390], thanks to Heiko OBERDIEK, using the work of Bernd JAEHNE, Didier VERNA and A. J. “Tony” ROBERTS. Hence the *minitoc-hyper* package [454] is now obsolete and should no more be used. It is still present on the CTAN archives for compatibility with old documents. If you add the loading of the `hyperref` package to a document yet using `minitoc`, you will get error message about spurious closing braces. Just let finish the L<sup>A</sup>T<sub>E</sub>X run, then re-L<sup>A</sup>T<sub>E</sub>X the document. There will



be no problem if you remove the loading of `hyperref` and add it again: the problem occurs only when upgrading from `minitoc #30` to `minitoc #31` (or higher) with a document already processed and adding `hyperref` at the same time! It seems better to process the document with `minitoc #31` (or higher) without `hyperref`, then with `hyperref`, because some internal commands written into the auxiliary files have been modified. If used, the `hyperref` package must be loaded *before* `minitoc`. Note that the documents `minitoc.dtx` and `minitoc-fr.dtx` show (not so) basic examples of the use of the `hyperref` package with `minitoc`.

## 2.18 Problem while upgrading minitoc

If upgrading from version #30 or lower to version #31 or higher, you should delete the `.aux`, `.toc`, `.lof`, `.lot` files of the document, else the first  $\text{\LaTeX}$  run with version #31 or higher will produce a lot of errors (the next run should be ok). See also the section 2.17 on the preceding page.

## 2.19 A local TOC for the set of appendices

<code>\doparttoc</code> <code>\tableofcontents</code> <code>\appendix</code> <code>\part</code> <code>\parttoc</code> <code>\addtocontents</code> <code>\protect</code> <code>\setcounter</code> <code>\chapter</code> <code>\partbegin</code>	<p>Some users need a table of contents for the appendices, but without putting the entries of it into the main table of contents. The solution is to put the appendices in a <code>\part</code> subdivision of the document and ask for a table of contents at the <code>\part</code> level:</p> <pre> \doparttoc           % after \begin{document} . . . \tableofcontents . . . \appendix \part{Appendices}   % create a part level subdivision \parttoc            % create a local table of contents % To suppress the appendix part in the main toc \addtocontents{toc}{\protect\setcounter{tocdepth}{-1}} \chapter{First appendix} . . . % Add this at the end of appendices if there is something % after the appendices (like an index or a bibliography) % to put a bound to the contents of \parttoc \addtocontents{toc}{\protect\partbegin} </pre>
---	---

See also section 2.25 on page 70.

## 2.20 Use with the appendix package

`\addcontentsline` If you use the appendix package [471] (by Peter R. WILSON), you will observe a serious problem with `\minitocs` in the `appendices` environment (and after it): they do not match with their respective appendices. In fact, the environment opening `\begin{appendices}` hides a `\addcontentsline` command for a chapter or a section, putting trouble in the numbering of `\minitocs` or `\sectocs`. Several solutions are available. The first one is to add a `\adjustmtc` or `\adjuststc` command (depending on the level of the appendices, chapter or section) after *each* `\begin{appendices}` command. An other solution is to add the following commands in the preamble *after* the loading of the appendix package:

I0042

```
\let\oldappendices\appendices
\def\appendices{\oldappendices\adjustmtc}
```

if appendices are at the chapter level, OR:

```
\let\oldappendices\appendices
\def\appendices{\oldappendices\adjuststc}
```

if appendices are at the section level.

These two solutions may be modified by replacing `\adjustmtc` by the sequence:

```
\addtocontents{toc}{\chapterend}
OR
\addtocontents{toc}{\sectend}
```

when it is necessary to delimit the end of the preceding chapter or section<sup>5</sup>.

A rather more elegant solution is to add an entry into the TOC via the `\addappheadtotoc` command offered by the appendix package. As this entry is a chapter-level (or section-level) entry, it delimits correctly the end of the preceding chapter or section.

See also the `mtc-amm.tex` example file (section 4.6 on page 108), which uses the memoir class [479, 481, 482], which includes itself the appendix package functionality (these packages and this class are from the same author).

## 2.21 Use with the tocloft package

`\mtcsetfont` (This answer is given in the documentation of the `tocloft` package [469].) The `tocloft` (by Peter R. WILSON) and `minitoc` packages have an unfortunate interaction<sup>6</sup>, which fortunately

I0047

<sup>5</sup> In fact, the commands `\partend`, `\chapterend` and `\sectend` should not be used directly by the user, in normal circumstances.

<sup>6</sup> Discovered by Lyndon DUDGING.

can be fixed. In the normal course of events, when `minitoc` is used in a chaptered document it will typeset section entries in the minitocs in bold font. If `tocloft` is used in conjunction with `minitoc`, then the `minitoc` section entries are typeset in the normal font, except for the page numbers which are in bold font, while the ToC section entries are all in normal font.

One cure, if you want the `minitoc` section entries to be all in normal small font, is to put:

```
\renewcommand{\mtcSfont}{\normalfont\small}
```

or:

```
\mtcsetfont{minitoc}{section}{\normalfont\small}
```

in the preamble.

Otherwise, the cure is the following incantation:

```
\renewcommand{\cftsecfont}{\bfseries}
\renewcommand{\cftsecleader}{\bfseries\cftdotfill{\cftdotsep}}
\renewcommand{\cftsecpagefont}{\bfseries}
```

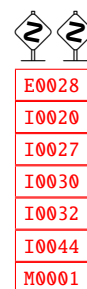
To have the section entries in both the ToC and the minitocs in bold then put the incantation in the preamble. To have only the `minitoc` section entries in bold while the ToC entries are in the normal font, put the incantation between the `\tableofcontents` command and the first `\chapter` command.

As `tocloft` is a very powerful and useful package, these cures are worth to be added if you need the benefits of this package. See also section [2.22](#).

## 2.22 Use with the memoir class

The `memoir` class [[479](#), [481](#), [482](#)] offers basically the functionalities of the `appendix`, `tocbibind` and `tocloft` packages (this class and these packages have the same author, Peter R. Wilson), hence it has the same problems; see above the available solutions (sections [2.20](#) on the preceding page, [1.5.5](#) on page [53](#), and [2.21](#) on the preceding page respectively). If your version of the `memoir` class is recent, the syntax of the `\chapter` command is different and the `memoir` class *could be no more compatible* with the `minitoc` package, but a patch is inserted to fix the problem. Hopefully, if your version of the `memoir` class is more recent than 2005/09/25, the patch is no more necessary.

If you are using the `memoir` class (or the `tocloft` package), the `\mtcsetfont` command has no effect (`\mtcsetttitlefont` works); you should use the font commands which are specific of the `memoir` class (or of the `tocloft` package).



If you still want to use the `\mtcsetfont` commands while using the memoir class (or of the `tocloft` package), you must disable the memoir/tocloft font commands. This is done by the following commands:

```
\let\cftpartfont\relax
\let\cftchapterfont\relax
\let\cftsectionfont\relax
\let\cftsubsectionfont\relax
\let\cftsubsubsectionfont\relax
\let\cftparagraphfont\relax
\let\cftsubparagraphfont\relax
\let\cftfigurefont\relax
\let\cftsubfigurefont\relax
\let\cfttablefont\relax
\let\cftsubtablefont\relax
```

## 2.23 There are too many commands for fonts, titles, and depths

`\mtcsetfont` `\mtcsettitlefont` Since version #41, the `\mtcsetfont` and `\mtcsettitlefont` commands are available. You do not need anymore to know `\mtcSSSfont`, `\ptifont`, etc.

`\mtcsettitle` Since version #42, the `\mtcsettitle` command is available. You do not need anymore to know `\mtctitle`, `\slttitle`, etc.

`\mtcsetdepth` Since version #43, the `\mtcsetdepth` command is available. You do not need anymore to know the counters `minitocdepth`, `sectlotdepth`, etc.

## 2.24 Compatibility with the $\mathcal{AMS}$ document classes

This problem has been pointed out by Henri MASSIAS.

`\mtcaddchapter` Unfortunately, the `amsart` and `amsproc` document classes are *incompatible* with `minitoc`. The `amsbook` document class requires the insertion of commands if you want a list of figures and/or a list of tables:

```
\listoffigures
\mtcaddchapter % added
\listoftables
\mtcaddchapter % added
```

W0026
W0027
I0041

## 2.25 Hiding some entries from the main table of contents

`mtchideinmaintoc` It is a problem similar to that of section 2.19 on page 66. An example is having a local table of contents for a chapter (`\minitoc`) whose entries should not appear in the main table of contents. Just use the `mtchideinmaintoc` environment:

```

\chapter{Title}
\begin{mtchideinmaintoc}[level]
\minitoc
\section{sub-title}
...
\end{mtchideinmaintoc}

```

This environment accepts an optional numeric argument, which is the depth of hiding in the main toc (default: `-1`, complete hiding). You can look at the `mtc-apx.tex` example file:

```

1 (*mtc - apx)
2 \documentclass[oneside]{book}
3 \ProvidesFile{mtc-apx.tex}%
4 [2007/03/22]%
5 \usepackage{lipsum} % provides filling text
6 \usepackage{tocbibind} % adds some entries in the main TOC.
7 \usepackage[tight,listfiles]{minitoc}
8 \setcounter{minitocdepth}{3} \setcounter{parttocdepth}{3}
9 \begin{document}
10 \doparttoc \dominitoc % prepare the mini-tables
11 \tableofcontents
12 \mtcaddchapter % because tocbibind adds a chapter entry in the TOC
13 \chapter{First}
14 \minitoc
15 First chapter
16 \section{First section} \lipsum[1]
17 \section{Second section} \lipsum[2]
18 \chapter{Second}
19 \minitoc
20 Second
21 \section{First section of second chapter} \lipsum[3]
22 \section{Second section of second chapter} \lipsum[4]
23 \appendix % begins the appendices
24 \addcontentsline{toc}{part}{Appendices} % adds a part entry in the TOC
25 \adjustptc % fixes the parttoc counter ptc
26 \mtcsettitle{parttoc}{List of Appendices} % changes the parttoc title
27 \parttoc % adds a partial toc for the appendices
28 \begin{mtchideinmaintoc}[-1] % hides the details of the appendices in the main TOC,
29 % % but chapter-level entries would be still visible in the main TOC
30 % % if you use 0 in place of -1 as optional argument.
31 \chapter{First appendix}
32 \minitoc
33 First appendix
34 \section{First section} \lipsum[5]
35 \section{Second section} \lipsum[6]

```

```

36 \chapter{Second appendix}
37 \minitoc
38 Second appendix
39 \section{First section of second appendix} \lipsum[7]
40 \section{Second section of second appendix} \lipsum[8]
41 \end{mtchideinmaintoc} % end of hiding
42 \end{document}
43 </mtc - apx>

```

Of course, the environments `mtchideinmainlof` and `mtchideinmainlot` are also available, to hide some entries in the main list of figures or of tables.

Note that the position of the end of these environments must be adjusted to include a page break (like the one done by a `\chapter` command), else the restore command might be inserted too early into the `.toc`, `.lof` or `.lot` file. There is an example file (`mtc-hi1.tex`):



```

44 (*mtc - hi1)
45 \documentclass{report}
46 \ProvidesFile{mtc-hi1.tex}%
47 [2007/01/04]%
48 \usepackage%
49 [tight,listfiles]{minitoc}
50 \begin{document}
51 \dominilof \listoffigures
52 \dominilot \listoftables
53 \chapter{First}
54 \minilof \minilot
55 \begin{figure}
56 \caption{AAAA1}
57 \end{figure}
58 \begin{figure}
59 \caption{AAAA2}
60 \end{figure}
61 \begin{table}
62 \caption{TAAAA1}
63 \end{table}
64 \begin{table}
65 \caption{TAAAA2}
66 \end{table}
67 \chapter{Second}
68 \minilof \minilot
69 %%-----

```

We begin the hiding of figure entries in the list of figures and of table entries in the list of tables. In this document, we use the environment forms.

```

70 \begin{mtchideinmainlof}
71 \begin{mtchideinmainlot}
72 \begin{figure}
73 \caption{BBBB1}
74 \end{figure}
75 \begin{figure}
76 \caption{BBBB2}
77 \end{figure}
78 \begin{table}
79 \caption{TBBBB1}
80 \end{table}
81 \begin{table}
82 \caption{TBBBB2}
83 \end{table}
84 \chapter{Third}

```

We terminate the hiding of figure entries in the list of figures and of table entries in the list of tables. In this document, we use the environment forms.

```

85 \end{mtchideinmainlot}
86 \end{mtchideinmainlof}
87 %%-----
88 \minilof \minilot
89 \begin{figure}
90 \caption{CCCC1}
91 \end{figure}
92 \begin{figure}
93 \caption{CCCC2}
94 \end{figure}

```

```

95 \begin{table}
96 \caption{TCCCC1}
97 \end{table}
98 \begin{table}
99 \caption{TCCCC2}
100 \end{table}
101 \end{document}
102 </mtc – hi1>

```

`\mtchideinmainlof` But it is also possible to use *commands* in place of these environments: you place a `\mtchideinmainlof` (or `\mtchideinmainlot`) command in the first figure (or table) to hide, *before* its caption and a `\endmtchideinmainlof` (or `\endmtchideinmainlot`) command at the end of the last figure (or table) to hide, *after* its caption, like in this example file (`mtc-hi2.tex`):

```

103 < *mtc – hi2>
104 \documentclass{report}
105 \ProvidesFile{mtc-hi2.tex}%
106 [2007/01/04]
107 \usepackage%
108 [tight,listfiles]{minitoc}
109 \begin{document}
110 \dominilof \listoffigures
111 \dominilot \listoftables
112 \chapter{First}
113 \minilof \minilot
114 \begin{figure}
115 \caption{AAAA1}
116 \end{figure}
117 \begin{figure}
118 \caption{AAAA2}
119 \end{figure}
120 \begin{table}
121 \caption{TAAAA1}
122 \end{table}
123 \begin{table}
124 \caption{TAAAA2}
125 \end{table}
126 \chapter{Second}
127 \minilof \minilot

```

We begin the hiding of figure entries in the list of figures and of table entries in the list of tables. In this document, we use the command forms: a command is inserted *before* the caption of the first “hidden” entry.

```

128 \begin{figure}
129 \mtchideinmainlof % <--
130 \caption{BBBB1}
131 \end{figure}
132 \begin{figure}
133 \caption{BBBB2}
134 \endmtchideinmainlof % <--
135 \end{figure}
136 \begin{table}
137 \mtchideinmainlot % <--
138 \caption{TBBB1}
139 \end{table}

```

We terminate the hiding of figure entries in the list of figures and of table entries in the list of tables. In this document, we use the command forms: a command is inserted *after* the caption of the *last* “hidden” entry.

```

140 \begin{table}
141 \caption{TBBBB2}
142 \endmtchideinmainlot % <--
143 \end{table}
144 \chapter{Third}
145 \minilof \minilot
146 \begin{figure}
147 \caption{CCCC1}
148 \end{figure}
149 \begin{figure}
150 \caption{CCCC2}
151 \end{figure}
152 \begin{table}
153 \caption{TCCCC1}
154 \end{table}
155 \begin{table}

```



```
156 \caption{TCCCC2}
157 \end{table}
```

```
158 \end{document}
159 \end{mtc-hi2}
```

This method, recommended while more delicate to apply, is much more reliable in delimiting the hiding domain: it solves the problem of the asynchronism between the writing of floats and the writing of the normal text.

## 2.26 Defining your own .mld file

`\mtcsettitle` First, you should not directly modify one of the distributed `.mld` and `.mlo` files. The simplest way to alter some title is to redefine the corresponding command via `\renewcommand` or better via `\mtcsettitle`. If you really want to have your own `.mld` file, you copy an existing `.mld` file into one with a new name (not the name of a distributed `.mld` file). Then you modify this new `.mld` file and you can use it via `\mtcselectlanguage`. You can always contact me to add this new `.mld` file to the distribution. These remarks apply also to the *language* [`.mld-` `.mlo`] pairs of language definition files.

## 2.27 Use with the abstract package

`\mtcaddchapter` If the abstract package [470] (by Peter R. WILSON), is used with its `addtotoc` option, a  
`\mtcaddsection` “Abstract” entry is added to the table of contents, as a starred chapter if the document class  
`\chapter` defines `\chapter`, else as a starred section. This problem is detected by the `hints` option  
`abstract` and you should add a `\mtcaddchapter[]` or a `\mtcaddsection[]` command after your abstract environment.

I0040

## 2.28 Use with the sectsty package

If the `sectsty` package [319] (by Rowland McDONNELL) is used, it must be loaded *before* the `minitoc` package, because it alters (redefines) the sectioning commands. Of course, the `hints` option detects this problem.

W0037

## 2.29 Strange alignment in the minitocs

*In minitocs, subsections titles are not aligned with sections, as they are in the main table of contents.*

<code>\l@part</code>	The entries of a table of contents are formatted via internal commands like <code>\l@part</code> ,
<code>\l@chapter</code>	<code>\l@chapter</code> , <code>\l@section</code> , etc.
<code>\l@section</code>	
<code>\l@subsection</code>	The “part” and “chapter” levels (and “section” for an article) use specific commands which
<code>\l@subsubsection</code>	are somewhat complex for a more elaborated formatting. For the “section” (in the <code>report</code> and
<code>\l@paragraph</code>	<code>book</code> classes) and lower levels, these commands are ( <code>book</code> class, <code>book.cls</code> ) by default:
<code>\l@subparagraph</code>	
<code>\renewcommand</code>	
<code>\@dottedtocline</code>	<code>\renewcommand*\l@section{\@dottedtocline{1}{1.5em}{2.3em}}</code>
<code>\mtcsetfont</code>	<code>\renewcommand*\l@subsection{\@dottedtocline{2}{3.8em}{3.2em}}</code>
<code>\mtcSfont</code>	<code>\renewcommand*\l@subsubsection{\@dottedtocline{3}{7.0em}{4.1em}}</code>
<code>\mtcSSfont</code>	<code>\renewcommand*\l@paragraph{\@dottedtocline{4}{10em}{5em}}</code>
<code>\mtcSSSfont</code>	<code>\renewcommand*\l@subparagraph{\@dottedtocline{5}{12em}{6em}}</code>
<code>\mtcPfont</code>	
<code>\mtcSPfont</code>	

which will be applied in the main table of contents and in the minitocs. The arguments of `\@dottedtocline` are

- 1) the logical depth (which will be compared to `tocdepth` or `minitocdepth`).
- 2) the indentation.
- 3) the width reserved for the section/subsection/. . . number.

In the standard `book`, `report` and `article` classes [282], the dimensions (second and third arguments) are given in “em” units, and this unit depends on the current font. In the main table of contents, the section and subsection entries are written in the *same* font, hence usually the alignment is correct. But in the minitocs, the section entries are written in a bold font while the subsection entries are written in a non bold font (the default font choices are given in table 1.6 on page 40), hence one “em” has different sizes in these two fonts and the alignment is changed.



There are several solutions:

- Redefine the `\l@section` . . . `\l@subparagraph` commands to use font independent units (pt, mm, pc, etc.). This redefinition must be performed in a package or via a command defined by a package or between `\makeatletter` and `\makeatother`, because these commands have a @ in their names; you must use `\renewcommand*` to redefine these commands.
- Use the `tocloft` package [469] to change the indentation, with font independent units. But then see *also* section 2.21 on page 67.



- Use the same font for the section and subsection entries in the minitocs, using the `\mtcsetfont` command (see section 1.4.9 on page 44) or redefining the `\mtcSfont`, `\mtcSSfont`, `\mtcSSSfont`, `\mtcPfont` and `\mtcSPfont` commands (see table 1.6 on page 40), or similar.

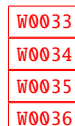
## 2.30 Useful precautions with starred sectioning commands

- The headers are not modified by `\part*`, `\chapter*` or `\section*`; it is *necessary* to use `\markboth` or `\markright` to get correct page headers for the current and following pages. 
- If you need an entry in the table of contents for a `\chapter*` or a `\section*` command, you must use `\mtcaddchapter[title]` or `\mtcaddsection[title]` *after* the starred sectioning command. If you need an entry in the table of contents for a `\part*` command, the page number in the table of contents would be wrong, because `\part*` implies a `\clearpage` or a `\cleardoublepage` before the first page of the part. Use the sequence 

```
\cleardoublepage      % \clearpage if openany option.
\mtcaddpart[title]
\part*[title]
```

## 2.31 Use with packages for captions

If one of the `caption` [421, 422, 424], `caption2`<sup>7</sup> [423], (both written by Axel SOMMERFELDT), `ccaption` [474] (by Peter R. WILSON), or `mcaption` [228] (by Stephan HENNIG), packages is used, it must be loaded *before* the `minitoc` package, because such packages alter (redefine) the commands listing figures and tables. Of course, the `hints` option detects this problem.



## 2.32 Bad interaction minitoc/hyperref/memoir

When the `minitoc` and `hyperref` [390] packages are used in a document of class `memoir` [479, 481, 482], the chapter header “Chapter” does not appear on the first page of the chapter.

This problem is fixed in version #44 of `minitoc`.

<sup>7</sup> This package is obsolete; now use a recent version of the `caption` package.

## 2.33 Use with the `varesects` package

If the `varesects` package [437] (by Daniel TAUPIN<sup>†</sup>) is used, it must be loaded *before* the `minitoc` package, because it alters (redefines) the sectioning commands. Of course, the `hints` option detects this problem.

W0038

## 2.34 Initial font settings

The setting of the fonts in the mini-tables is a rather complex problem. If we take the `parttoc` as an example, there is a `\ptcfont` font-command which is used for two purposes<sup>8</sup>:

- First, to be used as default value for some other font-commands (like `\ptcSPfont`). As its default value is used in the initialization of the `minitoc` package, the value of these other commands is *not altered* if you modify `\ptcfont`. You must modify these commands one at a time.
- Second, it is invoked at the beginning of each `parttoc`, `partlof` or `partlot` to set an initial font command. Then each entry of the mini-table calls its own font command (like `\ptcSPfont`). Thus, if you modify `\ptcfont`, you can obtain a global effect on the fonts in the `parttoc`s, `partlof`s, and `partlot`s. So you can play with the various parameters of the fonts (family, shape, series, size), if you want fancy mini-tables; but it is rather difficult.

In the initialization of the `minitoc` package, we have a sequence of commands:



```

\let\ptcSSfont\ptcfont      % (subsections)
\let\ptcSSSfont\ptcfont    % (subsubsections)
\let\ptcPfont\ptcfont      % (paragraphs)
\let\ptcSPfont\ptcfont     % (subparagraphs)
\let\plffont\ptcfont       % (figures)
\let\plSfont\ptcfont       % (subfigures)
\let\pltfont\ptcfont       % (tables)
\let\pltSfont\ptcfont      % (subtables)

```

to define some default fonts. But this sequence is executed only once. If you alter `\ptcfont`, the modification is not applied to these font commands. The command `\ptcfont` is invoked at the beginning of each `parttoc`. `\ptcCfont` is invoked for each chapter entry in a `parttoc` (`\ptcSfont` for each section entry, etc.). So `\ptcfont` can be used to define some global characteristics for the fonts in the `parttoc`s, while `\ptcCfont` (etc.) can be used to customize the fonts for each level of entries.

<sup>8</sup> The same remarks apply to the other mini-tables.

Note that if you say:

```

\let\ptcSSfont\ptcfont      % (subsections)
\let\ptcSSSfont\ptcfont    % (subsubsections)
\let\ptcPfont\ptcfont      % (paragraphs)
\let\ptcSPfont\ptcfont     % (subparagraphs)
\let\plffont\ptcfont       % (figures)
\let\plfSfont\ptcfont      % (subfigures)
\let\pltfont\ptcfont       % (tables)
\let\pltSfont\ptcfont      % (subtables)

```

after loading the minitoc package, these font commands will be “associated” to `\ptcfont`, hence if you modify `\ptcfont` (by via `\mtcsetfont{parttoc}{*}{...}` or `\renewcommand`), they will follow the modification. But if you modify one of these commands via `\renewcommand` or `\mtcsetfont{parttoc}{subsection}{...}` (subsection is an example), the association is broken. But you could be more clever by saying something like

```
\mtcsetfont{parttoc}{subsection}{\ptcfont\itshape}
```

to preserve the association and modify only some parameters of a minitoc font command.

For levels above subsection (part, chapter and section), the fonts are more specific in general, but you can, of course, say something like `\def\ptcCfont{\ptcfont}` to make a similar association. You can even make other associations, like this:

```

% for high sectionning levels:
\def\highlevelsfont{\rmfamily\bfseries\normalsize\upshape}
% for low sectionning levels:
\def\lowlevelsfont{\rmfamily\mdseries\smallsize\upshape}
% then for each level:
\def\ptcCfont{\highlevelsfont}
\def\ptcSfont{\highlevelsfont}
\def\ptcSSfont{\lowlevelsfont}
\def\ptcSSSfont{\lowlevelsfont}
\def\ptcPfont{\lowlevelsfont\itshape}
\def\ptcSPfont{\lowlevelsfont\itshape}

```

Then you can redefine `\highlevelsfont` or `\lowlevelsfont` to act on several fonts in one step, but you must use `\renewcommand`. You cannot act on `\highlevelsfont` or `\lowlevelsfont` with `\mtcsetfont`.

Note that only the fonts for parttocs are used in the examples above; but, of course, the situation is the same for minitocs and secttocs. `\highlevelsfont` and `\lowlevelsfont` are macro names that you can choose, they are not part of the minitoc package.

### 2.35 Use with the KOMA-Script classes

If a KOMA-Script class [343, 344, 399], compatible with minitoc (scrbook, scrreprt or scrartcl), is used, some class options may cause problems with the minitoc package, because these options add chapter or section entries in the table of contents. See section 1.5.5 on page 53. Of course, the `hints` option detects this problem.

I0043

### 2.36 Use with the jura class or the alphanum package

The `jura` class loads the `alphanum` package, which redefines the sectioning structure in a non-standard way, after the loading of the `report` class. This class and this package are *incompatible* with `minitoc`.



W0029

W0025

### 2.37 The .mld files and the babel package

If you are using the `babel` package [60, 61], you can automatize the loading of the `.mld` file by adding some code in the preamble of your document, like this:

```
\AtBeginDocument{%
  \addto\captionslanguage1{\mtcselectlanguage{language2}}
```

where `language1` is the language name for `babel` and `language2` the language name for `minitoc`; there are often identical, but there are exceptions (when you use a locally customized `.mld` file, for instance).

### 2.38 Use with the fncychap package

If the `fncychap` package [301] (by Ulf A. LINDGREN) is used, it must be loaded *before* the `minitoc` package, because it alters (redefines) the sectioning commands. Of course, the `hints` option detects this problem.

W0086

### 2.39 Use with the quotchap package

If the `quotchap` package [442] (by Karsten TINNEFELD) is used, it must be loaded *before* the `minitoc` package, because it alters (redefines) the sectioning commands. Of course, the `hints` option detects this problem.

W0087

## 2.40 Use with the `romannum` package

If the `romannum` package [480] (by Peter R. WILSON) is used, it must be loaded *before* the `minitoc` package, because it alters (redefines) the numbering of the sectioning commands. Of course, the `hints` option detects this problem.

W0088

## 2.41 Use with the `sfheaders` package

If the `sfheaders` package [304] (by Maurizio LORETI) is used, it must be loaded *before* the `minitoc` package, because it alters (redefines) the sectioning commands. Of course, the `hints` option detects this problem.

W0089

## 2.42 Use with the `alnumsec` package

If the `alnumsec` package [274] (by Frank KÜSTER) is used, it must be loaded *before* the `minitoc` package, because it alters (redefines) the numbering of the sectioning commands. Of course, the `hints` option detects this problem.

W0090

## 2.43 Use with the `captcont` package

If the `captcont` package [131] (by Steven Douglas COCHRAN) is used, it must be loaded *before* the `minitoc` package, because it alters (redefines) the caption commands. Of course, the `hints` option detects this problem.

W0091

## 2.44 Vertical spaces (gaps) for `parttocs`, `partlofs`, and `partlots` titles

These vertical gaps were hard-coded like for the chapter heads in the `book` and `report` document classes. The values were 50pt and 40pt, but some users want to adjust them for the titles of the part-level mini-tables. Since version #45, these gaps are defined by `\mtcgapbeforeheads` and `\mtcgapafterheads`, with these default values. These commands apply globally to `parttocs`, `partlofs` and `partlots`. They are *commands*, *not* dimensions, so they must be modified via `\renewcommand` (but *not* via `\setlength`). An example of use is given in the `mtc-gap.tex` document file:



```
160 \*mtc-gap)
161 \documentclass[a4paper,oneside,12pt]{book}
162 \ProvidesFile{mtc-gap.tex}[2007/01/04]%
```

We use the `vruler` package (by Zhuhan JIANG) to display a vertical ruler showing the position of the titles:

```
163 \usepackage{txfonts,vruler} % vertical graduation to note positions (Zhuhan Jiang)
164 \usepackage[english2,tight,listfiles]{minitoc}
165 \begin{document}
166 \setvruler[1cm][0][10][3][0][0pt][0pt][0pt][] % with vruler package
167 \doparttoc \faketableofcontents
168 \part{First part}
```

A normal `parttoc`, with the normal gaps before and after it.

```
169 \parttoc
170 \chapter{First chapter of first part} \chapter{Second chapter of first part}
171 \part{Second part}
```

`\mtcgapbeforeheads` We set large gaps. Note the new position of the `parttoc`.  
`\mtcgapafterheads`

```
172 \renewcommand{\mtcgapbeforeheads}{100pt}
173 \renewcommand{\mtcgapafterheads}{80pt}
174 \parttoc
175 \chapter{First chapter of second part} \chapter{Second chapter of second part}
176 \part{Third part}
```

`\mtcgapbeforeheads` We set small gaps. Note the new position of the `parttoc`.  
`\mtcgapafterheads`

```
177 \renewcommand{\mtcgapbeforeheads}{20pt}
178 \renewcommand{\mtcgapafterheads}{10pt}
179 \parttoc
180 \chapter{First chapter of third part} \chapter{Second chapter of third part}
181 \end{document}
182 </mtc-gap>
```

## 2.45 Vertical spacing before the bottom rule of a minitable

The little spacing between a minitable and its bottom rule is implemented as a vertical kern that should be sufficient to allow the descending parts of the letters of the last entry of the minitable. The values should depend on the line spacing and of the font size. They are defined as macros that you can adjust by redefining them via `\renewcommand`. The (empirical) default values are given in table 2.1 on the next page.



Table 2.1: Kernings before minitable bottom rules

Command	Default value
<code>\kernafterparttoc</code>	<code>\kern-1.\baselineskip\kern.5ex</code>
<code>\kernafterpartlof</code>	<code>\kern-1.\baselineskip\kern.5ex</code>
<code>\kernafterpartlot</code>	<code>\kern-1.\baselineskip\kern.5ex</code>
<code>\kernafterminitoc</code>	<code>\kern-.5\baselineskip\kern.5ex</code>
<code>\kernafterminilof</code>	<code>\kern-1.\baselineskip\kern0.ex</code>
<code>\kernafterminilot</code>	<code>\kern-1.\baselineskip\kern0.ex</code>
<code>\kernaftersecttoc</code>	<code>\kern-1.\baselineskip\kern.5ex</code>
<code>\kernaftersectlof</code>	<code>\kern-1.\baselineskip\kern.5ex</code>
<code>\kernaftersectlot</code>	<code>\kern-1.\baselineskip\kern.5ex</code>

## 2.46 Another interaction between the `tocloft` and `minitoc` packages

*I encountered an interaction between `tocloft` and `minitoc`. I want to force `minitoc` to not display the page numbers, but because of `tocloft` it doesn't. Here is an example code:*

```
\documentclass[12pt,a4paper]{book}
\usepackage{tocloft}
\usepackage{minitoc}
\begin{document}
\frontmatter
\dominitoc\tableofcontents
\mainmatter
\chapter{Chapter}
\section{Section A} \section{Section B}
\chapter{Second Chapter}
\mtcsetfont{minitoc}{section}{\normalfont\small}
\mtcsetpagenumbers{minitoc}{off}
\minitoc
\section{Section A} \section{Section B}
\end{document}
```

*If I comment the line loading the `tocloft` package, I will get a `minitoc` without page numbers as I wanted.*

When using together `tocloft` and `minitoc`, the `tocloft` package must be loaded first, and its commands take precedence to format the entries in the TOC (and in minitocs). To suppress the page numbers, you should try the `\cftpagenumbersoff{XXX}` command (from `tocloft`), which is described in the `tocloft.pdf` documentation [469, pages 45-56]; `XXX` is the level of entry (chapter, sec, subsec, etc.). There are similar remarks about font related commands.

The `tocloft` package is more specialized in that job than `minitoc`, so if it is loaded, `minitoc` uses the `tocloft` tools. There is the corrected example (`mtc-tlo.tex`):

```
183 <*mtc - tlo>
184 \documentclass[12pt,a4paper]{book}
185 \ProvidesFile{mtc-tlo.tex}[2007/06/13]%
```

We must load `tocloft` *before* `minitoc`:

```
186 \usepackage{tocloft}
187 \usepackage[tight]{minitoc}
188 \begin{document}
```

`\mtcsetfont` We define the global font for the `minitoc` entries:

```
189 \mtcsetfont{minitoc}{*}{\normalfont\small}
190 \frontmatter
191 \dominitoc \tableofcontents
```

`\cftpagenumbersoff` For the section entries in the `minitocs`, we suppress the page numbers and change the font by using commands from the `tocloft` package:

`\cftsecfont`

```
192 \cftpagenumbersoff{sec}
193 \renewcommand{\cftsecfont}{\normalfont\small}
194 \mainmatter
195 \chapter{First Chapter} \minitoc
196 \section{Section A} \section{Section B}
197 \chapter{Second Chapter} \minitoc
198 \section{Section A} \section{Section B}
199 \end{document}
200 </mtc - tlo>
```

## 2.47 Use with the `hangcaption` package

If the `hangcaption` package [250] (by David M. JONES) is used, it must be loaded *before* the `minitoc` package, because it alters (redefines) the sectioning commands. Of course, the `hints` option detects this problem.

W0092

## 2.48 Use with the `flowfram` package

The `flowfram` package [433, 434], which has its own system of `minitocs`, is hence *incompatible* with `minitoc`.

  
W0097

# Chapter 3

## Memento

### Tables

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Table 3.1: Package options

Options	Default	Meaning
<code>shorttext</code>	<code>*NO*</code>	Short extensions for auxiliary files.
<code>loose, tight</code>	<code>loose</code>	Spacing of lines in mini-tables.
<code>k-loose, k-tight</code>	<code>k-loose</code>	Spacing of lines in mini-tables (KOMA-Script classes).
<code>dotted, undotted</code>	<code>dotted</code>	Presence of leaders (dotted lines).
<code>insection</code>	<code>*NO*</code>	Keeps floats (figures and tables) from drifting outside of their section. Useful if you use <code>sectlofs/sectlots</code> .
<code>notoccite</code>	<code>*NO*</code>	Useful if you have <code>\cite</code> commands in sectionning titles and use an unsorted bibliographic style.
<code>listfiles, nolistfiles</code>	<code>listfiles</code>	Lists the <code>minitoc</code> auxiliary files into <code>document.maf</code> .
<code>hints, nohints</code>	<code>hints</code>	Adds hints in the <code>document.log</code> file. Useful to detect some problems. Option <code>nohints</code> is inadvisable.

Language options are listed in table 1.7 on page 41. Default: `english`.

Table 3.2: General commands

Command	Meaning
<code>\faketableofcontents</code>	Replaces <code>\tableofcontents</code> if you want mini-tables of contents but no main table of contents.
<code>\fakelistoffigures</code>	Replaces <code>\listoffigures</code> if you want mini-lists of figures but no main list of figures.
<code>\fakelistoftables</code>	Replaces <code>\listoftables</code> if you want mini-lists of tables but no main list of tables.
<code>\mtcselectlanguage{language}</code>	Loads <code>language.mld</code> to select a language for mini-tables titles.
<code>\mtcsetdepth{mini-table}{depth}</code>	Changes the depth for some mini-tables.
<code>\mtcsetoffset{mini-table}{offset}</code>	Changes the offset for some mini-tables.
<code>\mtcsetfeature{mini-table}{before after open close pagestyle}{commands}</code>	Modifies the features for a mini-table.
<code>\mtcsetfont{mini-table}{sectioning-level}{font commands}</code>	Redefines a minitoc font command.
<code>\mtcsetformat{mini-table}{dotinterval pagenumwidth tocrightmargin}{value}</code>	Changes the layout of some mini-tables.
<code>\mtcsetpagenumbers{mini-table *}{on off}</code>	Activates/inhibits page numbers in some or all mini-tables.
<code>\mtcsetrules{mini-table *}{on off}</code>	Activates/inhibits horizontal rules in some or all mini-tables.
<code>\mtcsettitle{mini-table}{title string}</code>	Changes the title for some mini-tables.
<code>\mtcsettitlefont{mini-table}{font commands}</code>	Changes the font of the title for some mini-tables.
<code>\mtcskip</code>	To add a vertical skip between the mini-tables.
<code>\mtcskipamount</code>	Length of <code>\mtcskip</code> . Default: <code>\bigskipamount</code> .
<code>\tightmtcfalse</code>	Loose mini-tables. Default.
<code>\tightmtctrue</code>	Tight mini-tables.
<code>\ktightmtcfalse</code>	Loose mini-tables. Default. (KOMA-Script classes).
<code>\ktightmtctrue</code>	Tight mini-tables. (KOMA-Script classes).
<code>\undottedmtcfalse</code>	Dotted lines in mini-tables (from entry to page number). Default.
<code>\undottedmtctrue</code>	No dotted lines in mini-tables (from entry to page number).

Table 3.3: Part level commands

Command	Meaning
<code>\doparttoc[x]</code>	Before <code>\[fake]tableofcontents</code> if you use <code>\parttoc*</code> .
<code>\dopartlof[x]</code>	Before <code>\[fake]listoffigures</code> if you use <code>partlof*</code> .
<code>\dopartlot[x]</code>	Before <code>\[fake]listoftables</code> if you use <code>\partlot*</code> .
<code>\parttoc[x]</code>	After each <code>\part</code> command for which a <code>parttoc</code> is needed*.
<code>\partlof[x]</code>	After each <code>\part</code> command for which a <code>partlof</code> is needed*.
<code>\partlot[x]</code>	After each <code>\part</code> command for which a <code>partlot</code> is needed*.
<code>\setcounter{parttocdepth}{depth}</code>	Depth of the following <code>parttocs</code> . Analog to <code>tocdepth</code> . Default: 2. Has no action on <code>partlofs</code> and <code>partlots</code> .
<i>or:</i>	
<code>\mtcsetdepth{parttoc partlof partlot}{depth}</code>	Idem, but can also act on <code>partlofs</code> and <code>partlots</code> .
<code>\ptcindent</code>	Left/right indentation of a partial table. Default: 24pt.
<code>\ptcoffset</code>	Horizontal offset for <code>parttocs</code> . Command. Default: 0pt.
<code>\plfoffset</code>	Horizontal offset for <code>partlofs</code> . Command. Default: 0pt.
<code>\pltoffset</code>	Horizontal offset for <code>partlots</code> . Command. Default: 0pt.
<code>\mtcsetoffset{parttoc partlof partlot}{offset}</code>	Idem, but can also act on <code>partlofs</code> and <code>partlots</code> .
<code>\ptcfont</code>	Font command for <code>parttoc</code> . Default: <code>\small\rmfamily\upshape\mdseries</code> (article) or: <code>\normalsize\rmfamily\upshape\mdseries</code> (book, report).
<code>\ptcCfont</code>	Font command for <code>parttoc</code> , chapter entries. Default: <code>\normalsize\rmfamily\upshape\bfseries</code> .
<code>\ptcSfont</code>	Font command for <code>parttoc</code> , section entries. Default: <code>\small\rmfamily\upshape\bfseries</code> (article) or: <code>\small\rmfamily\upshape\bfseries</code> (book, report).
<code>\ptcSSfont</code>	Font command for <code>parttoc</code> , subsection entries**.
<code>\ptcSSSfont</code>	Font command for <code>parttoc</code> , subsubsection entries**.
<code>\ptcPfont</code>	Font command for <code>parttoc</code> , paragraph entries**.
<code>\ptcSPfont</code>	Font command for <code>parttoc</code> , subparagraph entries**.
<code>\plffont</code>	Font for <code>partlof</code> . Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\plfSfont</code>	Font for <code>partlof</code> (subfigures). Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\pltfont</code>	Font for <code>partlot</code> . Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\pltSfont</code>	Font for <code>partlot</code> (subtables). Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\ptctitle</code>	Title of <code>parttocs</code> . Default: Table of Contents.
<code>\plftitle</code>	Title of <code>partlofs</code> . Default: List of Figures.
<code>\plttitle</code>	Title of <code>partlots</code> . Default: List of Tables.
<code>\ptifont</code>	Font for <code>partXXX</code> titles. Default: <code>\Large\rmfamily\upshape\bfseries</code> (article) or: <code>\LARGE\rmfamily\upshape\bfseries</code> (book, report).
<code>\mtcgapbeforeheads</code>	Vertical gap before part-level mini-tables titles. Default: 50pt
<code>\mtcgapafterheads</code>	Vertical gap after part-level mini-tables titles. Default: 40pt

\*: `[x]` is an optional argument to set the position of the title; the setting is local for the `\partXXX` commands, global for the `\dopartXXX` commands. The values of `x` are: l for left (default), c for centered, r for right, n or e for no title.

\*\* : defaults like `\ptcfont`.

Table 3.4: Chapter level commands

Command	Meaning
<code>\dominitoc[x]</code>	Before <code>\[fake]tableofcontents</code> if you use <code>\minitoc*</code> .
<code>\dominilof[x]</code>	Before <code>\[fake]listoffigures</code> if you use <code>\minilof*</code> .
<code>\dominilot[x]</code>	Before <code>\[fake]listoftables</code> if you use <code>\minilot*</code> .
<code>\minitoc[x]</code>	After each <code>\chapter</code> command for which a minitoc is needed*.
<code>\minilof[x]</code>	After each <code>\chapter</code> command for which a minilof is needed*.
<code>\minilot[x]</code>	After each <code>\chapter</code> command for which a minilot is needed*.
<code>\setcounter{minitocdepth}{depth}</code>	Depth of the following minitocs. Analog to <code>tocdepth</code> . Default: 2. Has no action on minilofs and minilots.
<i>or:</i>	
<code>\mtcsetdepth{minitoc minilof minilot}{depth}</code>	Idem, but can also act on minilofs and minilots.
<code>\mtcindent</code>	Left/right indentation of a mini-table. Default: 24pt.
<code>\mtcoffset</code>	Horizontal offset for minitocs. Command. Default: 0pt.
<code>\mlfoffset</code>	Horizontal offset for minilofs. Command. Default: 0pt.
<code>\mltoffset</code>	Horizontal offset for minilots. Command. Default: 0pt.
<code>\mtcsetoffset{minitoc minilof minilot}{offset}</code>	Idem, but can also act on minilofs and minilots.
<code>\mtcfont</code>	Font command for minitoc. Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\mtcSfont</code>	Font command for minitoc, section entries. Default: <code>\small\rmfamily\upshape\bfseries</code> .
<code>\mtcSSfont</code>	Font command for minitoc, subsection entries**.
<code>\mtcSSSfont</code>	Font command for minitoc, subsubsection entries**.
<code>\mtcPfont</code>	Font command for minitoc, paragraph entries**.
<code>\mtcSPfont</code>	Font command for minitoc, subparagraph entries**.
<code>\mlffont</code>	Font for minilof. Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\mlfSfont</code>	Font for minilof (subfigures). Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\mltfont</code>	Font for minilot. Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\mltSfont</code>	Font for minilot (subtables). Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\mtctitle</code>	Title of minitocs. Default: Contents.
<code>\mlftitle</code>	Title of minilofs. Default: Figures.
<code>\mlttitle</code>	Title of minilots. Default: Tables.
<code>\mtifont</code>	Font for miniXXX titles. Default: <code>\large\rmfamily\upshape\bfseries</code> .

\*: `[x]` is an optional argument to set the position of the title; the setting is local for the `\miniXXX` commands, global for the `\dominiXXX` commands. The values of `x` are: l for left (default), c for centered, r for right, n or e for no title.

\*\* : defaults like `\mtcfont`.

Table 3.5: Section level commands

Command	Meaning
<code>\dosecttoc[x]</code>	Before <code>\[fake]tableofcontents</code> if you use <code>\secttoc*</code> .
<code>\dosectlof[x]</code>	Before <code>\[fake]listoffigures</code> if you use <code>\sectlof*</code> .
<code>\dosectlot[x]</code>	Before <code>\[fake]listoftables</code> if you use <code>\sectlot*</code> .
<code>\secttoc[x]</code>	After each <code>\section</code> command for which a <code>secttoc</code> is needed*.
<code>\sectlof[x]</code>	After each <code>\section</code> command for which a <code>sectlof</code> is needed*.
<code>\sectlot[x]</code>	After each <code>\section</code> command for which a <code>sectlot</code> is needed*.
<code>\setcounter{secttocdepth}{depth}</code>	Depth of the following <code>secttocs</code> . Analog to <code>tocdepth</code> . Default: 2. Has no action on <code>sectlofs</code> and <code>sectlots</code> .
<i>or:</i>	
<code>\mtcsetdepth{secttoc sectlof sectlot}{depth}</code>	Idem, but can also act on <code>sectlofs</code> and <code>sectlots</code> .
<code>\stcindent</code>	Left/right indentation of a mini-table. Default: 24pt.
<code>\stcoffset</code>	Horizontal offset for <code>secttocs</code> . Command. Default: 0pt.
<code>\slfoffset</code>	Horizontal offset for <code>sectlofs</code> . Command. Default: 0pt.
<code>\sltoffset</code>	Horizontal offset for <code>sectlots</code> . Command. Default: 0pt.
<code>\mtcsetoffset{secttoc sectlof sectlot}{offset}</code>	Idem, but can also act on <code>sectlofs</code> and <code>sectlots</code> .
<code>\stcfont</code>	Font command for <code>secttoc</code> . Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\stcSSfont</code>	Font command for <code>secttoc</code> , subsection entries**.
<code>\stcSSSfont</code>	Font command for <code>secttoc</code> , subsubsection entries**.
<code>\stcPfont</code>	Font command for <code>secttoc</code> , paragraph entries**.
<code>\mtcSPfont</code>	Font command for <code>secttoc</code> , subparagraph entries**.
<code>\slffont</code>	Font for <code>sectlof</code> . Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\slfSfont</code>	Font for <code>sectlof</code> (subfigures). Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\sltfont</code>	Font for <code>sectlot</code> . Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\sltSfont</code>	Font for <code>sectlot</code> (subtables). Default: <code>\small\rmfamily\upshape\mdseries</code> .
<code>\stctitle</code>	Title of <code>secttocs</code> . Default: Contents.
<code>\slftitle</code>	Title of <code>sectlofs</code> . Default: Figures.
<code>\slttitle</code>	Title of <code>sectlots</code> . Default: Tables.
<code>\stifont</code>	Font for <code>sectXXX</code> titles. Default: <code>\large\rmfamily\upshape\bfseries</code> .

\*: `[x]` is an optional argument to set the position of the title; the setting is local for the `\sectXXX` commands, global for the `\dosectXXX` commands. The values of `x` are: l for left (default), c for centered, r for right, n or e for no title.

\*\* : defaults like `\stcfont`.

Table 3.6: Commands for horizontal rules

Command	Meaning
<code>\[no]ptcrule</code>	Activates or inhibits rules in parttocs.
<code>\[no]mtcrule</code>	Activates or inhibits rules in minitocs.
<code>\[no]stcrule</code>	Activates or inhibits rules in secttocs.
<code>\[no]plfrule</code>	Activates or inhibits rules in partlofs.
<code>\[no]mlfrule</code>	Activates or inhibits rules in minilofs.
<code>\[no]slfrule</code>	Activates or inhibits rules in sectlofs.
<code>\[no]pltrule</code>	Activates or inhibits rules in partlots.
<code>\[no]mltrule</code>	Activates or inhibits rules in minilots.
<code>\[no]sltrule</code>	Activates or inhibits rules in sectlots.
<code>\mtcsetrules{<i>mini-table</i>   *}{on off}</code>	Activates/inhibits horizontal rules in some or all mini-tables.
<code>\kernafterparttoc</code>	Vertical kerning between a parttoc and its bottom rule.
<code>\kernafterpartlof</code>	Vertical kerning between a partlof and its bottom rule.
<code>\kernafterpartlot</code>	Vertical kerning between a partlot and its bottom rule.
<code>\kernafterminitoc</code>	Vertical kerning between a minitoc and its bottom rule.
<code>\kernafterminilof</code>	Vertical kerning between a minilof and its bottom rule.
<code>\kernafterminilot</code>	Vertical kerning between a minilot and its bottom rule.
<code>\kernaftersecttoc</code>	Vertical kerning between a secttoc and its bottom rule.
<code>\kernaftersectlof</code>	Vertical kerning between a sectlof and its bottom rule.
<code>\kernaftersectlot</code>	Vertical kerning between a sectlot and its bottom rule.

By default, parttocs have no rules; minitocs and secttocs have rules. In articles, parttocs have rules.

Table 3.7: Commands for page numbers

Command	Meaning
<code>\[no]ptcpagenumbers</code>	Activates or inhibits page numbers in parttocs.
<code>\[no]plfpagenumbers</code>	Activates or inhibits page numbers in partlofs.
<code>\[no]pltpagenumbers</code>	Activates or inhibits page numbers in partlots.
<code>\[no]mtcpagenumbers</code>	Activates or inhibits page numbers in minitocs.
<code>\[no]mlfpagenumbers</code>	Activates or inhibits page numbers in minilofs.
<code>\[no]mltpagenumbers</code>	Activates or inhibits page numbers in minilots.
<code>\[no]stcpagenumbers</code>	Activates or inhibits page numbers in secttocs.
<code>\[no]slfpagenumbers</code>	Activates or inhibits page numbers in sectlofs.
<code>\[no]sltpagenumbers</code>	Activates or inhibits page numbers in sectlots.
<code>\mtcsetpagenumbers{<i>mini-table</i>   *}{on off}</code>	Activates/inhibits page numbers in some or all mini-tables.

By default, the page numbers are present.



Table 3.8: Commands for mini-tables features

Command	Default	Meaning
<code>\beforeparttoc</code>	<code>\cleardoublepage</code>	Action before a parttoc.
<code>\beforepartlof</code>	<code>\cleardoublepage</code>	Action before a partlof.
<code>\beforepartlot</code>	<code>\cleardoublepage</code>	Action before a partlot.
<code>\afterparttoc</code>	<code>\cleardoublepage</code>	Action after a parttoc.
<code>\afterpartlof</code>	<code>\cleardoublepage</code>	Action after a partlof.
<code>\afterpartlot</code>	<code>\cleardoublepage</code>	Action after a partlot.
<code>\openparttoc</code>	<code>\cleardoublepage</code>	Action before inserting a parttoc file.
<code>\openpartlof</code>	<code>\cleardoublepage</code>	Action before inserting a partlof file.
<code>\openpartlot</code>	<code>\cleardoublepage</code>	Action before inserting a partlot file.
<code>\closeparttoc</code>	<code>\cleardoublepage</code>	Action after inserting a parttoc file.
<code>\closepartlof</code>	<code>\cleardoublepage</code>	Action after inserting a partlof file.
<code>\closepartlot</code>	<code>\cleardoublepage</code>	Action after inserting a partlot file.
<code>\thispageparttocstyle</code>	<code>\thispagestyle{empty}</code>	Page style for a parttoc.
<code>\thispagepartlofstyle</code>	<code>\thispagestyle{empty}</code>	Page style for a partlof.
<code>\thispagepartlotstyle</code>	<code>\thispagestyle{empty}</code>	Page style for a partlot.
<code>\beforeminitoc</code>	<code>\empty</code>	Action before a minitoc.
<code>\beforeminilof</code>	<code>\empty</code>	Action before a minilof.
<code>\beforeminilot</code>	<code>\empty</code>	Action before a minilot.
<code>\afterminitoc</code>	<code>\empty</code>	Action after a minitoc.
<code>\afterminilof</code>	<code>\empty</code>	Action after a minilof.
<code>\afterminilot</code>	<code>\empty</code>	Action after a minilot.
<code>\openminitoc</code>	<code>\cleardoublepage</code>	Action before inserting a minitoc file.
<code>\openminilof</code>	<code>\cleardoublepage</code>	Action before inserting a minilof file.
<code>\openminilot</code>	<code>\cleardoublepage</code>	Action before inserting a minilot file.
<code>\closeminitoc</code>	<code>\cleardoublepage</code>	Action after inserting a minitoc file.
<code>\closeminilof</code>	<code>\cleardoublepage</code>	Action after inserting a minilof file.
<code>\closeminilot</code>	<code>\cleardoublepage</code>	Action after inserting a minilot file.
<code>\thispageminitocstyle</code>	<code>\empty</code>	Page style for a minitoc.
<code>\thispageminilofstyle</code>	<code>\empty</code>	Page style for a minilof.
<code>\thispageminilotstyle</code>	<code>\empty</code>	Page style for a minilot.
<code>\beforesecttoc</code>	<code>\empty</code>	Action before a secttoc.
<code>\beforesectlof</code>	<code>\empty</code>	Action before a sectlof.
<code>\beforesectlot</code>	<code>\empty</code>	Action before a sectlot.
<code>\aftersecttoc</code>	<code>\empty</code>	Action after a secttoc.
<code>\aftersectlof</code>	<code>\empty</code>	Action after a sectlof.
<code>\aftersectlot</code>	<code>\empty</code>	Action after a sectlot.
<code>\opensecttoc</code>	<code>\cleardoublepage</code>	Action before inserting a secttoc file.
<code>\opensectlof</code>	<code>\cleardoublepage</code>	Action before inserting a sectlof file.
<code>\opensectlot</code>	<code>\cleardoublepage</code>	Action before inserting a sectlot file.
<code>\closesecttoc</code>	<code>\cleardoublepage</code>	Action after inserting a secttoc file.
<code>\closesectlof</code>	<code>\cleardoublepage</code>	Action after inserting a sectlof file.
<code>\closesectlot</code>	<code>\cleardoublepage</code>	Action after inserting a sectlot file.
<code>\thispagesecttocstyle</code>	<code>\empty</code>	Page style for a secttoc.
<code>\thispagesectlofstyle</code>	<code>\empty</code>	Page style for a sectlof.
<code>\thispagesectlotstyle</code>	<code>\empty</code>	Page style for a sectlot.
<hr/>		
<code>\mtcsetfeature{mini-table}{before after open close pagestyle}{commands}</code>		Modifies the features for a mini-table.

Table 3.9: Preparation and insertion commands

Type	Phase	Level		
		part	chapter	section
table of contents	preparation	<code>\doparttoc[p]</code>	<code>\dominitoc[p]</code>	<code>\dosecttoc[p]</code>
	insertion	<code>\parttoc[p]</code>	<code>\minitoc[p]</code>	<code>\secttoc[p]</code>
list of figures	preparation	<code>\dopartlof[p]</code>	<code>\dominiloof[p]</code>	<code>\dosectloof[p]</code>
	insertion	<code>\partloof[p]</code>	<code>\miniloof[p]</code>	<code>\sectloof[p]</code>
list of tables	preparation	<code>\dopartlot[p]</code>	<code>\dominilot[p]</code>	<code>\dosectlot[p]</code>
	insertion	<code>\partlot[p]</code>	<code>\minilot[p]</code>	<code>\sectlot[p]</code>
all	preparation	<code>\mtcprepare[p]</code>		

Each of these commands accepts one optional argument *p*, which specifies the position of the title of the mini-table. This argument *p* has a global effect for the preparation commands, but local for the insertion commands. It is a letter: [l] for left aligned (default), [c] for centered, [r] for right aligned, [e] or [n] for empty (no title).

Table 3.10: Adjustment commands

Command	Meaning
<code>\adjustptc[n]</code>	Adjusts (increments) the parttoc counter <code>ptc</code> by <i>n</i> .
<code>\adjustmtc[n]</code>	Adjusts (increments) the minitoc counter <code>mtc</code> by <i>n</i> .
<code>\adjuststc[n]</code>	Adjusts (increments) the secttoc counter <code>stc</code> by <i>n</i> .
<code>\decrementptc</code>	Adjusts (decrements by 1) the parttoc counter <code>ptc</code> .
<code>\decrementmtc</code>	Adjusts (decrements by 1) the minitoc counter <code>mtc</code> .
<code>\decrementstc</code>	Adjusts (decrements by 1) the secttoc counter <code>stc</code> .
<code>\incrementptc</code>	Adjusts (increments by 1) the parttoc counter <code>ptc</code> .
<code>\incrementmtc</code>	Adjusts (increments by 1) the minitoc counter <code>mtc</code> .
<code>\incrementstc</code>	Adjusts (increments by 1) the secttoc counter <code>stc</code> .
<code>\mtcaddpart[title]</code>	Adds the title of a <code>\part*</code> in the ToC.
<code>\mtcaddchapter[title]</code>	Adds the title of a <code>\chapter*</code> in the ToC.
<code>\mtcaddsection[title]</code>	Adds the title of a <code>\section*</code> in the ToC.
<code>\mtcfixglossary[chapter section part]</code>	Adjusts the entry for the glossary in the ToC.
<code>\mtcfixindex[chapter section part]</code>	Adjusts the entry for the index in the ToC.
<code>\mtcfixnomenclature[chapter section part]</code>	Adjusts the entry for the nomenclature in the ToC.
<code>\begin{mtchideinmaintoc}[depth] ... \end{mtchideinmaintoc}</code>	Environment to hide entries in the main ToC.
<code>\begin{mtchideinmainlof}[depth] ... \end{mtchideinmainlof}</code>	Environment to hide entries in the main list of figures.
<code>\mtchideinmainlof[depth] ... \endmtchideinmainlof</code>	Pair of commands* to hide entries in the main list of figures.
<code>\begin{mtchideinmainlot}[depth] ... \end{mtchideinmainlot}</code>	Environment to hide entries in the main list of tables.
<code>\mtchideinmainlot[depth] ... \endmtchideinmainlot</code>	Pair of commands* to hide entries in the main list of tables.

\*: recommended form.

Table 3.11: Classes and packages needing some precautions with minitoc

P/C	Names	Author(s)	Page(s)	Reference(s)
P	abstract	Peter R. WILSON	56	[470]
P	alnumsec	Frank KÜSTER	57	[274]
* P	alphanum	Felix BRAUN	78	[103]
* C	amsart	AMS	69	[8]
C	amsbook	AMS	69	[8]
* C	amsproc	AMS	69	[8]
P	appendix	Peter R. WILSON	67	[471]
P	captcont	Steven Douglas COCHRAN	57	[131]
P	caption	Axel SOMMERFELDT	57	[421, 422, 424]
P	caption2	Axel SOMMERFELDT	57	[423]
P	ccaption	Peter R. WILSON	57	[474]
P	float	Anselm LINGNAU	57	[302]
P	floatrow	Olga G. LAPKO	57	[285]
* P	flowfram	Nicola L. C. TALBOT	82	[433, 434]
P	fncychap	Ulf A. LINDGREN	78	[301]
P	hangcaption	David M. JONES	82	[250]
P	hyperref	Sebastian RAHTZ and Heiko OBERDIEK	65	[348, 352–354, 387, 390, 391]
* C	jura	Felix BRAUN	78	[103]
P	mcaption	Stephan HENNIG	57	[228]
C	memoir	Peter R. WILSON	68	[479, 481, 482]
P	notoccite	Donald ARSENEAU	55	[14]
P	placeins	Donald ARSENEAU	32	[15]
P	quotchap	Karsten TINNEFELD	56	[442]
P	romannum	Peter R. WILSON	57	[480]
P	rotfloat	Sebastian RAHTZ and Leonor BARROCA	57	[420]
C	scrartcl, scrbook and screprt	Frank NEUKAM, Markus KOHM, Axel KIELHORN, and Jens-Uwe MORAWSKI	78	[343, 344, 399]
P	sectsty	Rowland McDONNELL	73	[319]
P	sfheaders	Maurizio LORETI	79	[304]
P	subfig	Steven Douglas COCHRAN	36	[132]
P	subfigure	Steven Douglas COCHRAN	36	[130]
* P	titlesec	Javier BEZOS	56	[46]
* P	titletoc	Javier BEZOS	56	[46]
P	tocbibind	Peter R. WILSON	53	[472]
P	tocloft	Peter R. WILSON	67, 81	[469]
P	trivfloat	Joseph A. WRIGHT	57	[484]
P	varsect	Daniel TAUPIN <sup>†</sup>	56	[437]

\*: *Incompatible* with minitoc. C: Class. P: Package.

Any class not defining the main standard sectionning commands is *incompatible* with minitoc.

Table 3.12: Checking if inside a minitable

Level	Flag	for tocs,	for lofs,	for lots.
<b>Part</b>		<code>\ifinparttoc</code>	<code>\ifinpartlof</code>	<code>\ifinpartlot</code>
<b>Chapter</b>		<code>\ifinminitoc</code>	<code>\ifinminilof</code>	<code>\ifinminilot</code>
<b>Section</b>		<code>\ifinsecttoc</code>	<code>\ifinsectlof</code>	<code>\ifinsectlot</code>

Table 3.13: Commands for polymorphic entries

From OA of:	Command	Arg. 1	Arg. 2	Arg. 3	Arg. 4
sect. command	<code>\mtcpolymtoc</code>	<code>{→parttoc}</code>	<code>{→minitoc}</code>	<code>{→secttoc}</code>	<code>{→main toc}</code>
figure caption	<code>\mtcpolymlof</code>	<code>{→partlof}</code>	<code>{→minilof}</code>	<code>{→sectlof}</code>	<code>{→main lof}</code>
table caption	<code>\mtcpolymlot</code>	<code>{→partlot}</code>	<code>{→minilot}</code>	<code>{→sectlot}</code>	<code>{→main lot}</code>

Table 3.14: Obsolete commands

Command	Meaning
<code>\firstpartis{N}</code>	<i>N</i> is the number of the first part.
<code>\firstchapteris{N}</code>	<i>N</i> is the number of the first chapter.
<code>\firstsectionis{N}</code>	<i>N</i> is the number of the first section.

These commands have no effect (except a harmless warning).

## Chapter 4

# Examples of documents

### Contents

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---

This chapter shows the code of some examples of documents. Some are extracted or derived from real documents, others are just demonstrations to illustrate problems or features. The code of some specific example files has been shown earlier: `mtc-apx.tex` on page 70, `mtc-hi1.tex` on page 71, `mtc-hi2.tex` on page 72, `mtc-gap.tex` on page 79, and `mtc-tlo.tex` on page 82.

Note that the `lipsum` package [212] is often used to provide filling text.

## 4.1 The `mtc-2c.tex` document file

`\mtcindent` This document shows the use of the `minitoc` package in a document with a two columns layout. The layout uses the `multicol` standard package [325] and its `multicols` environment. We set `\mtcindent` to zero. We test several combinations. If a `minitoc` is long enough to be splitted on both columns, the result may be funny.

```

201 \documentclass[12pt,a4paper]{report}
202 \documentclass[12pt,a4paper]{report}
203 \ProvidesFile{mtc-2c.tex}[2007/01/04]
204 \usepackage{multicol}
205 \usepackage{lipsum}
206 \usepackage%
207 [tight,latin,listfiles]{minitoc}
208 \usepackage[latin]{babel}
209 \setlength{\mtcindent}{0pt}
210 \begin{document}
211 \dominitoc \tableofcontents
212
213

```

`multicols` Two first chapters with a standard chapter head, a `minitoc` on one full width column, then the  
`\minitoc` body of the chapter on two columns:

```

214 \chapter{Primum capitulum}
215 \begin{multicols}{2}[\minitoc]
216 \section{Prima sectio}
217 \lipsum[1-2]
218 \section{Secunda sectio}
219 \lipsum[3-4]
220 \end{multicols}
221 \chapter{Secundum capitulum}
222 \begin{multicols}{2}[\minitoc]
223 \section{Prima sectio}
224 \lipsum[5-6]
225 \section{Secunda sectio}
226 \lipsum[7-8]
227 \section{Tertia sectio}
228 \lipsum[9-10]
229 \end{multicols}

```

`multicols` A third chapter entirely on two columns, so the chapter head and the `minitoc` are in the first  
`\minitoc` column:

```

230 \begin{multicols}{2}
231 \chapter{Tertium capitulum}
232 \minitoc
233 \section{Prima sectio}
234 \lipsum[11-12]
235 \section{Secunda sectio}
236 \lipsum[13-14]
237 \section{Tertia sectio}
238 \lipsum[15-16]
239 \end{multicols}

```

`multicols` A fourth chapter, with the chapter head on one column, and the `minitoc` and the chapter body  
`\minitoc` on two columns (the `minitoc` is in the first column):

```

240 \chapter{Quadrum capitulum}
241 \begin{multicols}{2}
242 \minitoc
243 \section{Prima sectio}
244 \lipsum[16-17]
245 \section{Secunda sectio}
246 \lipsum[18-19]
247 \section{Tertia sectio}
248 \lipsum[20-21]
249 \end{multicols}
250 \end{document}
251 \end{mtc-2c}

```

## 4.2 The `mtc-2nd.tex` document file

This document tests the `french2.mld` minitoc language definition file (section 13.62 on page 536) and its supporting code in the minitoc package. First, the preamble of the document uses the `french2` minitoc package language option<sup>1</sup>:

```

252 (*mtc - 2nd)
253 %% Test de french2.mld:
254 %% « seconde » ou « deuxième » partie?
255 %% compilez 3 fois.
256 \documentclass{report}
257 \ProvidesFile{mtc-2nd.tex}%
258 [2007/01/04]
259 \usepackage[french2,tight,listfiles]{minitoc}
260 \usepackage[french]{babel}
261 \usepackage{franc,frnew}
262 \usepackage[OT1,TS1,T1]{fontenc}
263 \usepackage[isolatin]{inputenc}
264 \usepackage{mypatches}
265 \begin{document}

```

```

\ifmtcsecondpart We test if there is only two parts: if yes, we will use “seconde”. Else (three or more parts), we
will use “deuxième”.

```

```

266 \ifmtcsecondpart
267 Il n’y a que 2 parties: seconde.
268 \else
269 Il y a une partie ou plus de deux parties: deuxième.
270 \fi
271 \clearpage

```

```

\doparttoc The body of the document, with two parts:
\fakeableofcontents

```

```

\parttoc
272 \doparttoc
273 \fakeableofcontents
274 \part{P1}
275 \parttoc
276 \chapter{P1C1}
277 \chapter{P1C2}
278 \part{P2}
279 \parttoc
280 \chapter{P2C1}
281 \chapter{P2C2}

```

---

<sup>1</sup> The `franc`, `frnew` and `mypatches` packages are local additions, provided with the minitoc package documentation sources.

If you want also a third part, comment out this line and recompile 3 times:

```

282%% Commentez la ligne suivante puis recompilez 2 ou 3 fois.
283 \end{document}
284 \part{P3}
285 \parttoc
286 \chapter{P3C1}
287 \chapter{P3C2}
288 \end{document}
289 </mtc – 2nd>

```

Observe the titles of the parttocs when the document has two then three parts. Note the changes after each compilation. You can play by adding and removing parts. It would be interesting to add a starred part, with starred chapters, at the beginning of the document, this part and these chapters having their entries in the TOC. For instance, try to add the following lines after `\faketableofcontents`:

```

\part*{Partie étoilée}
\mtcaddpart[Partie étoilée]
\adjustptc[-2] % IMPORTANT <<<<<<<<<<<<<<<<<<<<<<<<<<
\parttoc
\chapter*{Premier chapitre étoilé}
\mtcaddchapter[Premier chapitre étoilé]
\chapter*{Second chapitre étoilé}
\mtcaddchapter[Second chapitre étoilé]

```

and you will see how the parttoc of the new starred part is titled.

### 4.3 The `mtc-3co.tex` document file

This document shows how to prepare a minitoc on three columns, with some modifications of the code the `mtc@verse` environment.

First, we will use a wide paper format (A3) to set the text on two columns and the main TOC on three columns, with the `multitoc` package [\[414\]](#) (by Martin SCHRÖDER).

```

290 <*mtc – 3co>
291 \documentclass[oneside]{book}
292 \ProvidesFile{mtc-3co.tex}%
293   [2007/02/19]
294 \usepackage[a3paper]{geometry}
295 \usepackage{lipsum}
296 \usepackage{multicol}
297 \usepackage[toc]{multitoc}
298 \renewcommand{\multicolumntoc}{3}

```



```

\mtcindent Then we load the minitoc package, set some parameters and define the number of columns for
\mtcsetformat the minitocs. We alter the mtc@verse environment to add a multicols environment2:
\multicolumnmtc
\mtc@verse 299 %%%
\endmtc@verse 300 \usepackage[tight]{minitoc}
multicols 301 \setlength{\mtcindent}{0pt}
302 \mtcsetformat{minitoc}{tocrightmargin}{2.55em plus 1fil}
303 \newcommand{\multicolumnmtc}{3}
304 \makeatletter
305 \let\SV@mtc@verse\mtc@verse
306 \let\SV@endmtc@verse\endmtc@verse
307 \def\mtc@verse#1{\SV@mtc@verse#1\removelastskip%
308 \begin{multicols}{\multicolumnmtc}\raggedcolumns\leavevmode\unskip
309 \vskip -1.5ex \vskip -1\baselineskip}
310 \def\endmtc@verse{\end{multicols}\SV@endmtc@verse}
311 \makeatother
312 %%%

```

We begin the document, preparing the minitocs and the main TOC. The (first) chapter begins with its minitoc, then the text on two columns. We use the `lipsum` package [212] to provide filling text; the section number is used to select a *lipsum* paragraph.

```

313 \begin{document}
314 \dominitoc
315 \tableofcontents
316 \chapter{First chapter}
317 \minitoc
318 \begin{multicols}{2}

```

We use a lot of sections, to have a minitoc large enough to use the three columns. A subsection with a long title gives a good result (we have used `\mtcsetformat` to avoid hyphenations).

```

319 \section{First section} \lipsum[\arabic{section}]
320 \section{Second section} \lipsum[\arabic{section}]
321 \section{Third section} \lipsum[\arabic{section}]
322 \section{Fourth section} \lipsum[\arabic{section}]
323 \section{Fifth section} \lipsum[\arabic{section}]
324 \section{Sixth section} \lipsum[\arabic{section}]
325 \section{Seventh section} \lipsum[\arabic{section}]
326 \section{Eighth section} \lipsum[\arabic{section}]
327 \section{Ninth section} \lipsum[\arabic{section}]
328 \section{Tenth section} \lipsum[\arabic{section}]
329 \section{Eleventh section} \lipsum[\arabic{section}]
330 \section{Twelfth section} \lipsum[\arabic{section}]
331 \section{Thirteenth section} \lipsum[\arabic{section}]
332 \section{Fourteenth section} \lipsum[\arabic{section}]
333 \section{Fifteenth section} \lipsum[\arabic{section}]
334 \section{Sixteenth section} \lipsum[\arabic{section}]
335 \section{Seventeenth section} \lipsum[\arabic{section}]
336 \section{Eighteenth section} \lipsum[\arabic{section}]

```

<sup>2</sup> Some vertical adjustments are necessary.

```

337 \section{Nineteenth section} \lipsum[\arabic{section}]
338 \section{Twentieth section} \lipsum[\arabic{section}]
339 \section{Twenty-first section} \lipsum[\arabic{section}]
340 \section{Twenty-second section} \lipsum[\arabic{section}]
341 \section{Twenty-third section} \lipsum[\arabic{section}]
342 \section{Twenty-fourth section} \lipsum[\arabic{section}]
343 \subsection{A very long subsection title, for the fun in
344 a multicolumn table of contents} \lipsum[\arabic{section}]
345 \section{Twenty-fifth section} \lipsum[\arabic{section}]
346 \section{Twenty-sixth section} \lipsum[\arabic{section}]
347 \section{Twenty-seventh section} \lipsum[\arabic{section}]
348 \section{Twenty-eighth section} \lipsum[\arabic{section}]
349 \section{Twenty-ninth section} \lipsum[\arabic{section}]
350 \section{Thirtieth section} \lipsum[\arabic{section}]
351 \section{Thirty-first section} \lipsum[\arabic{section}]
352 \section{Thirty-second section} \lipsum[\arabic{section}]
353 \section{Thirty-third section} \lipsum[\arabic{section}]
354 \section{Thirty-fourth section} \lipsum[\arabic{section}]
355 \section{Thirty-fifth section} \lipsum[\arabic{section}]
356 \section{Thirty-sixth section} \lipsum[\arabic{section}]
357 \section{Thirty-seventh section} \lipsum[\arabic{section}]
358 \section{Thirty-eighth section} \lipsum[\arabic{section}]
359 \section{Thirty-ninth section} \lipsum[\arabic{section}]
360 \section{Fortieth section} \lipsum[\arabic{section}]
361 \section{Forty-first section} \lipsum[\arabic{section}]
362 \section{Forty-second section} \lipsum[\arabic{section}]
363 \section{Forty-third section} \lipsum[\arabic{section}]
364 \section{Forty-fourth section} \lipsum[\arabic{section}]
365 \section{Forty-fifth section} \lipsum[\arabic{section}]
366 \section{Forty-sixth section} \lipsum[\arabic{section}]
367 \section{Forty-seventh section} \lipsum[\arabic{section}]
368 \section{Forty-eighth section} \lipsum[\arabic{section}]
369 \section{Forty-ninth section} \lipsum[\arabic{section}]
370 \section{Fiftieth section} \lipsum[\arabic{section}]
371 \section{Fifty-first section} \lipsum[\arabic{section}]
372 \section{Fifty-second section} \lipsum[\arabic{section}]
373 \section{Fifty-third section} \lipsum[\arabic{section}]
374 \section{Fifty-fourth section} \lipsum[\arabic{section}]
375 \section{Fifty-fifth section} \lipsum[\arabic{section}]
376 \section{Fifty-sixth section} \lipsum[\arabic{section}]
377 \section{Fifty-seventh section} \lipsum[\arabic{section}]
378 \section{Fifty-eighth section} \lipsum[\arabic{section}]
379 \section{Fifty-ninth section} \lipsum[\arabic{section}]
380 \end{multicols}
381 \clearpage
382 \end{document}
383 </mtc - 3co>

```

## 4.4 The `mtc-add.tex` document file

This document shows how to add special entries in the table of contents, and the interaction with the `tocbibind` package [472].

```

384 (*mtc - add)
385 \documentclass[12pt,a4paper]{report}
386 %% \documentclass[12pt,a4paper]{book}
387 \ProvidesFile{mtc-add.tex}%
388 [2007/01/04]
389 \usepackage{url}
390 \usepackage{tocbibind}
391 \usepackage{makeidx}
392 \makeatletter
393 \newif\ifscan@allowed
394 \scan@allowedtrue
395 \makeatother
396 \def\dotfil{\leaders\hbox to.6em{\hss .\hss}\hfil}%
397 \def\pfill{\unskip~\dotfill\penalty500\strut\nobreak
398           \dotfil~\ignorespaces}%

```

Load the `minitoc` package, or `mtcoff`.

```

399 \usepackage[tight,hints,listfiles]{minitoc}
400 %% \usepackage{mtcoff}

401 \makeindex
402 \begin{document}

```

```

\dominitoc We call the mini-table preparation commands:
\dominilof
\dominilot 403 \dominitoc \dominilof \dominilot

```

```

\tableofcontents We are using the tocbibind package to add special entries in the table of contents, so we must
\mtcaddchapter take the precautions specified in section 1.5.5 on page 53:
\listoffigures
\listoftables 404 \tableofcontents \mtcaddchapter
405 \listoffigures \mtcaddchapter
406 \listoftables \mtcaddchapter

```

```

\chapter For a chapter, we want a minitoc, a minilof and a minilot:
\minitoc
\minilof 407 \chapter{First chapter}\index{chapter!normal}
\minilot 408 \minitoc \mtcskip
\mtcskip 409 \minilof \mtcskip
410 \minilot

```

Then the text of the chapter, with sections, figures and tables:

```

411 \section{First section}
412
413 \begin{figure}[tp] \caption{First figure} \end{figure}
414 \begin{table}[tp] \caption{First table} \end{table}
415
416 \section{Second section}
417 A small nice citation from~\cite{dark}:\
418 \index{small}\index{citation}\index{nice}\index{A}\index{a}%
419 \index{and}\index{bird}\index{But}\index{cannot}%
420 \index{claim}\index{great}\index{he}\index{I}%
421 \index{imagine}\index{it}\index{know}\index{land}%
422 \index{on}\index{once}\index{that}\index{to}\index{tree}%
423 \index{would}\index{yes}%
424 \textsf{A bird cannot land once on a great tree and claim to know it.}
425 But I imagine that he would, yes.}\
426 \hbox{\hfill}
427 Iain~M.~\textsc{Banks}~(1993),~\textsl{Against~a~dark~background.}%
428 \index{Iain}\index{Banks}\index{Against}\index{dark}\index{background}
429
430 \begin{figure}[tp] \caption{Second figure} \end{figure}
431 \begin{table} \caption{Second table} \end{table}

```

`\chapter*` A starred chapter requires a special treatment; three solutions are possible. You can test variations on the `\mtcaddchapter` command. Just uncomment one (and only one) of the `\mtcaddchapter` commands after `\chapter*` in the source code of `mtc-add.tex`. For each case, look at the Table of Contents and the involved chapter.

```

432 \chapter*{Second chapter, starred}
433 \index{chapter!starred}
434 %% UNCOMMENT ONE AND ONLY ONE OF THE 3 FOLLOWING LINES
435 \mtcaddchapter[Second chapter, starred] % OK
436 %% \mtcaddchapter[~] % produces a (strange) correct result. OK
437 %% \addcontentsline{toc}{xchapter}{}
438 %%%
439 %% \mtcaddchapter[] % BAD SOLUTION
440 %% \mtcaddchapter % BAD SOLUTION
441 %%%
442 \index{tests}
443
444 This is a starred chapter; you can test here variations on
445 the \verb|\mtcaddchapter| command. Just uncomment one (and
446 only one) of the \verb|\mtcaddchapter| commands after
447 \verb|\chapter*| in the source code of \texttt{mtc-add.tex}.
448 For each case, look at the \index{Table of Contents}Table of Contents
449 and at this chapter.
450 \index{a}\index{added}\index{after}\index{also}\index{and}%
451 \index{at}\index{can}\index{case}\index{chapter}\index{code}%
452 \index{command}\index{commands}\index{Contents}\index{each}%
453 \index{entries}\index{For}\index{here}\index{I}\index{in}%
454 \index{index}\index{is}\index{Just}\index{just}\index{look}%
455 \index{lot}\index{of}\index{on}\index{one}\index{only}%

```

```

456 \index{source}\index{starred}\index{Table}\index{test}%
457 \index{the}\index{This}\index{this}\index{to}\index{uncomment}%
458 \index{variations}\index{you}%
459 I also added a lot of index entries, just to test.
460
461 \chapter{Third chapter}
462 \index{chapter!normal}
463 \minitoc \mtcskip
464 \minilof \mtcskip
465 \minilot
466 \section{Third section}
467
468 \begin{figure} \caption{Third figure} \end{figure}
469 \begin{table} \caption{Third table} \end{table}
470
471 \section{Fourth section}
472
473 \begin{figure} \caption{Fourth figure} \end{figure}
474 \begin{table} \caption{Fourth table} \end{table}

```

`\bibliographystyle` As we want to add an entry for the bibliography in the table of contents, and we use the `tocbibind` package for that, we must add a correction with `\adjustmtc`:

```

475 \nocite*
476 \def\noopsort#1{\relax}
477 \bibliographystyle{plain}
478 \bibliography{mtc-add}
479 \adjustmtc

```

`\printindex` As we want to add an entry for the index in the table of contents, and we use the `tocbibind` package for that, we must add a correction; two solutions are available: use `\mtcfixindex` or the other given three lines:

```

480 \printindex
481 \mtcfixindex % use this OR the 3 following lines
482 %% \addcontentsline{lof}{xchapter}{}
483 %% \addcontentsline{lot}{xchapter}{}
484 %% \mtcaddchapter
485 %%
486
487 \appendix
488 \chapter{App.~1}
489 \index{chapter!appendix}
490 \minitoc \mtcskip
491 \minilof \mtcskip
492 \minilot
493 \section{Fifth section}
494
495 \begin{figure} \caption{Fifth figure} \end{figure}
496 \begin{table} \caption{Fifth table} \end{table}
497

```

```

498 \section{Sixth section}
499
500 \begin{figure} \caption{Sixth figure} \end{figure}
501 \begin{table} \caption{Sixth table} \end{table}

```

The next chapter asks for a minitoc, a minilof and a minilot, but contains no tables; hence the minitoc package will give some warnings.

```

502 \chapter{App.~2}
503 \index{chapter!appendix}
504 %% contains no tables but asks for a minilot! No minilot printed.
505 \minitoc \mtcskip
506 \minilof \mtcskip
507 \minilot
508 \section{Seventh section}
509 \begin{figure} \caption{Seventh figure} \end{figure}
510 \begin{figure} \caption{Eighth figure} \end{figure}
511
512 \section{Eighth section}
513
514 \begin{figure} \caption{Ninth figure} \end{figure}
515 \begin{figure} \caption{Eleventh figure} \end{figure}
516
517 \end{document}
518 </mtc – add>

```

And we need also its small bibliographic data base:

- the english documentation of the minitoc package [157]:

```

519 < *mtc – addbib>
520 @MISC{minitoc,
521   TITLE="The {\textsf{minitoc}} package",
522   AUTHOR="Drucbert, Jean-Pierre F.",
523   ADDRESS="{\url{mailto:drucbert@onera.fr}}",
524   NOTE="{\url{http://www.dante.de/CTAN/macros/latex/contrib/minitoc/minitoc.pdf}}",
525   MONTH=jul,
526   YEAR=2008}
527

```

- the french documentation of the minitoc package [156]:

```

528 @MISC{minitoc-fr,
529   TITLE="Le paquetage {\textsf{minitoc}}",
530   AUTHOR="Drucbert, Jean-Pierre F.",
531   ADDRESS="{\url{mailto:drucbert@onera.fr}}",
532   NOTE="{\url{http://www.dante.de/CTAN/macros/latex/contrib/minitoc/minitoc-fr.pdf}}",
533   MONTH=jul,
534   YEAR=2008}
535

```

- the documentation of the shorttoc package [155]:

```

536 @MISC{shorttoc,
537     TITLE="The {\textsf{shorttoc}} package",
538     AUTHOR="Drucbert, Jean-Pierre F.",
539     ADDRESS="{\url{mailto:drucbert@onera.fr}}",
540     NOTE="{\url{http://www.dante.de/CTAN/macros/latex/contrib/shorttoc/shorttoc.pdf}}",
541     MONTH=aug,
542     YEAR=2002}
543

```

- a novel [24] from which a short citation is taken:

```

544 @BOOK{dark,
545     TITLE="{Against a Dark Background}",
546     AUTHOR="Banks, Iain Menzies",
547     PUBLISHER="Bantam Books",
548     ISBN="0553292240 (pb)",
549     YEAR=1993}
550 </mtc – addbib>

```

But the database created this way must be trimmed of some spurious lines; on Unix-like systems, do<sup>3</sup>:

```
cat mtc-add.bib | grep -v '^%%' > addbib;mv addbib mtc-add.bib
```

## 4.5 The mtc-ads.tex document file

This document uses the article class and shows some problems for adding special entries in the table of contents and some problems with floating objects. We need to use the tocbibind package [472] for the first ones and the minitoc insection package option to avoid the drift if floating objects outside of their section. That gives the following document preamble:

```

551 (*mtc – ads)
552 \documentclass[oneside,12pt,a4paper]{article}
553 \ProvidesFile{mtc-ads.tex}%
554 [2007/01/04]
555 \usepackage{url,tocbibind,makeidx}
556 \makeatletter \newif\ifscan@allowed \scan@allowedtrue \makeatother
557 \def\dotfil{\leaders\hbox to.6em{\hss .\hss}\hfil}%
558 \def\pfill{\unskip~\dotfill\penalty500\strut\nobreak
559           \dotfil~\ignorespaces}%
560 \usepackage[tight,hints,insection]{minitoc}
561 %% \usepackage{mtcoff}
562 \makeindex

```

<sup>3</sup> Note that we should use no preamble for this file in minitoc.ins; nevertheless, some spurious lines are still generated. This problem is not yet corrected now, so we keep the solution.

```

\doarttoc The preparation commands:
\doartlof
\doartlot 563 \begin{document}
\dosecttoc 564 \doarttoc \doartlof \doartlot
\dosectlof 565 \dosecttoc \dosectlof \dosectlot
\dosectlot

\setcounter The commands to prepare the table of contents, the list of figures and the list of tables. As we
\tableofcontents use the tocibind package, we must add some \mtcaddsection commands:
\mtcaddsection
\listoffigures 566 \setcounter{tocdepth}{6}
\listoftables 567 \setcounter{parttocdepth}{6}
568 \setcounter{secttocdepth}{6}
569 \tableofcontents \mtcaddsection
570 \listoffigures \mtcaddsection
571 \listoftables \mtcaddsection

\parttoc The body of the document: a part with its part-level mini-tables, some sections with their
\partlof section-level mini-tables. The document has an index and contains figures and tables.
\partlot
\secttoc 572 \part{Part~1}
\sectlof 573 \parttoc \mtcskip \partlof \mtcskip \partlot
\sectlot 574
\mtcskip 575 \section{First section}
576 \index{section!normal}
577 \secttoc \mtcskip \sectlof \mtcskip \sectlot
578 \subsection{First subsection}
579
580 \begin{figure}[tp] \caption{First figure} \end{figure}
581 \begin{table}[tp] \caption{First table} \end{table}
582
583 \subsection{Second subsection}
584 A small nice citation from~\cite{dark}:\!
585 \index{small}\index{citation}\index{nice}\index{A}%
586 \index{a}\index{and}\index{bird}\index{But}%
587 \index{cannot}\index{claim}\index{great}\index{he}%
588 \index{I}\index{imagine}\index{it}\index{know}%
589 \index{land}\index{on}\index{once}\index{that}%
590 \index{to}\index{tree}\index{would}\index{yes}%
591 A bird cannot land once on a great tree and claim to know it.
592 But I imagine that he would, yes.\!
593 \hbox{\hfill Iain~M.~\textsc{Banks} (1993), \textsl{Against a dark background.}}%
594 \index{Iain}\index{Banks}\index{Against}\index{dark}\index{background}
595 \begin{figure}[tp] \caption{Second figure} \end{figure}
596 \begin{table} \caption{Second table} \end{table}

\section* Here, we try a starred section, with its entry in the table of contents. You can try several
\mtcaddsection solutions (good or bad).

597 \section*{Second section, starred}
598 \index{section!starred}

```



```

599%% UNCOMMENT ONE AND ONLY ONE OF THE 4 FOLLOWING LINES
600 \mtcaddsection[Second section, starred] % OK
601%% \mtcaddsection[] % BAD
602%% \mtcaddsection[~] % produces a (strange) correct result.
603%% \mtcaddsection % BAD
604 %%%%%%%%%%%
605 \index{tests}
606
607 This is a starred section; you can test here variations on
608 the \verb|\mtcaddsection| command. Just uncomment one (and
609 only one) of the \verb|\mtcaddsection| commands after
610 \verb|\section*| in the source code of \texttt{mtc-add.tex}.
611 For each case, look at the \index{Table of Contents}Table of Contents
612 and at this section.
613 \index{a}\index{added}\index{after}\index{also}\index{and}%
614 \index{at}\index{can}\index{case}\index{section}%
615 \index{code}\index{command}\index{commands}%
616 \index{Contents}\index{each}\index{entries}\index{For}%
617 \index{here}\index{I}\index{in}\index{index}\index{is}%
618 \index{Just}\index{just}\index{look}\index{lot}%
619 \index{of}\index{on}\index{one}\index{only}\index{source}%
620 \index{starred}\index{Table}\index{test}\index{the}%
621 \index{This}\index{this}\index{to}\index{uncomment}%
622 \index{variations}\index{you}%
623 I also added a lot of index entries, just to test.
624
625 \section{Third section}
626 \index{section!normal}
627 \secttoc \mtcskip \sectlof \mtcskip \sectlot
628 \subsection{Third subsection}
629
630 \begin{figure} \caption{Third figure} \end{figure}
631 \begin{table} \caption{Third table} \end{table}
632
633 \subsection{Fourth subsection}
634
635 \begin{figure} \caption{Fourth figure} \end{figure}
636 \begin{table} \caption{Fourth table} \end{table}
637
638 \subsubsection{Even a sub-sub-section!}
639 \subsubsection{And yet another one}
640
641 \part{Part~2}
642 \parttoc \mtcskip \partlof \mtcskip \partlot
643
644 \section{Fourth section}
645 \index{section!normal}
646 \secttoc \mtcskip \sectlof \mtcskip \sectlot
647 \subsection{Fifth subsection}
648
649 \begin{figure}[tp] \caption{Fifth figure} \end{figure}
650 \begin{table}[tp] \caption{Fifth table} \end{table}
651
652 \subsection{Sixth subsection}

```

```

653 A small nice citation from~\cite{dark}:\
654 \index{small}\index{citation}\index{nice}\index{A}%
655 \index{a}\index{and}\index{bird}\index{But}%
656 \index{cannot}\index{claim}\index{great}\index{he}%
657 \index{I}\index{imagine}\index{it}\index{know}%
658 \index{land}\index{on}\index{once}\index{that}%
659 \index{to}\index{tree}\index{would}\index{yes}%
660 A bird cannot land once on a great tree and claim to know it.
661 But I imagine that he would, yes.\
662 \hbox{}\hfill
663 Iain~M.~\textsc{Banks} (1993), \textsl{Against a dark background.}%
664 \index{Iain}\index{Banks}\index{Against}\index{dark}\index{background}
665
666 \begin{figure}[tp] \caption{Sixth figure} \end{figure}
667 \begin{table} \caption{Sixth table} \end{table}
668
669 \section*{Fifth section, starred}
670 \index{section!starred}
671 %% UNCOMMENT ONE AND ONLY ONE OF THE 4 FOLLOWING LINES
672 \mtcaddsection[Fifth section, starred] % OK
673 %% \mtcaddsection[] % OK
674 %% \mtcaddsection[~] % produces a (strange) correct result.
675 %% \mtcaddsection % OK
676 %%%
677 \index{tests}
678
679 This is a starred section; you can test here variations on
680 the \verb|\mtcaddsection| command. Just uncomment one (and
681 only one) of the \verb|\mtcaddsection| commands after
682 \verb|\section*| in the source code of \texttt{mtc-add.tex}.
683 For each case, look at the \index{Table of Contents}Table of Contents
684 and at this section.\index{a}%
685 \index{added}\index{after}\index{also}\index{and}%
686 \index{at}\index{can}\index{case}\index{section}%
687 \index{code}\index{command}\index{commands}\index{Contents}%
688 \index{each}\index{entries}\index{For}\index{here}%
689 \index{I}\index{in}\index{index}\index{is}%
690 \index{Just}\index{just}\index{look}\index{lot}%
691 \index{of}\index{on}\index{one}\index{only}%
692 \index{source}\index{starred}\index{Table}\index{test}%
693 \index{the}\index{This}\index{this}\index{to}%
694 \index{uncomment}\index{variations}\index{you}%
695 I also added a lot of index entries, just to test.
696
697 \section{Sixth section}
698 \index{section!normal}
699 \secttoc \mtcskip \sectlof \mtcskip \sectlot
700 \subsection{Seventh subsection}
701
702 \begin{figure} \caption{Seventh figure} \end{figure}
703 \begin{table} \caption{Seventh table} \end{table}
704
705 \subsection{Eighth subsection}
706

```

```
707 \begin{figure} \caption{Eighth figure} \end{figure}
708 \begin{table} \caption{Eighth table} \end{table}
```

`\bibliographystyle` The bibliography: as we want an entry for it in the table of contents, we use the `tocbibind` package [472] and a correction with `\adjuststc`:

```
\adjuststc
709 \nocite*
710 \def\noopsort#1{\relax}
711 \bibliographystyle{plain}
712 \bibliography{mtc-add}
713 \adjuststc
```

`\printindex` The index: as we want an entry for it in the table of contents, we use the `tocbibind` package [472] and a correction with `\mtcfixindex`:

```
714 \printindex
715 \mtcfixindex % use this OR the 3 following lines
716 %% \addcontentsline{lof}{xsect}{}
717 %% \addcontentsline{lot}{xsect}{}
718 %% \mtcaddsection
719
720 \appendix
721 \section{App.~1}
722 \index{section!appendix}
723 \secttoc \mtcskip \sectlof \mtcskip \sectlot
724 \subsection{Ninth subsection}
725
726 \begin{figure} \caption{Ninth figure} \end{figure}
727 \begin{table} \caption{Ninth table} \end{table}
728
729 \subsection{Tenth subsection}
730
731 \begin{figure} \caption{Tenth figure} \end{figure}
732 \begin{table} \caption{Tenth table} \end{table}
733
734 \section{App.~2}
735 \index{section!appendix}
736 %% contains no tables but asks for a sectlot! No sectlot printed.
737 \secttoc \mtcskip \sectlof \mtcskip \sectlot
738 \subsection{Eleventh subsection}
739
740 \begin{figure} \caption{Eleventh figure} \end{figure}
741 \begin{figure} \caption{Twelfth figure} \end{figure}
742
743 \subsection{Twelfth subsection}
744
745 \begin{figure} \caption{Thirteenth figure} \end{figure}
746 \begin{figure} \caption{Fourteenth figure} \end{figure}
747
748 \end{document}
749 </mtc - ads>
```

## 4.6 The `mtc-amm.tex` document file

`\dominitoc` This example shows the use of the `appendices` environment in a memoir class document  
`\tableofcontents` when the `minitoc` package is loaded. First, the preamble:

<code>\adjustmtc</code>	<code>\minitoc</code>	750 <code>\documentclass[oneside]{memoir}</code> 751 <code>\ProvidesFile{mtc-amm.tex}%</code> 752 <code>[2007/08/29]</code> 753 <code>\usepackage{lipsum} % filling text</code> 754 <code>\usepackage{hyperref}</code> 755 <code>\usepackage{memhfixc}</code> 756 <code>\usepackage[tight]{minitoc}</code>	758 <code>\begin{document}</code> 759 <code>\dominitoc \tableofcontents</code> 760 <code>\adjustmtc</code> 761 <code>\chapter{First chapter}</code> 762 <code>\minitoc</code> 763 <code>\lipsum[1]</code> 764 <code>\section{First section}</code> 765 <code>\lipsum[2]</code>
-------------------------	-----------------------	--	---

`appendices` The `appendices` are set in an `appendices` environment; we can add an entry in the TOC with  
`\addappheadtotoc` `\addappheadtotoc` (a command from the memoir class):

<code>\chapter</code>	<code>\minitoc</code>	766 <code>\begin{appendices}</code> 767 <code>\addappheadtotoc</code> 768 <code>\adjustmtc %correction!</code> 769 <code>\chapter{Afterthoughts}</code> 770 <code>\minitoc</code> 771 <code>\lipsum[3]</code> 772 <code>Afterthoughts appendix</code> 773 <code>\section{Further remarks}</code> 774 <code>\lipsum[4]</code> 775 <code>\chapter{Last wills}</code> 776 <code>\minitoc</code> 777 <code>\section{Testament}</code> 778 <code>\lipsum[5]</code>	779 <code>\end{appendices}</code> 780 <code>\chapter{Conclusion}</code> 781 <code>\minitoc</code> 782 <code>\section{Bye}</code> 783 <code>\lipsum[6]</code> 784 <code>\chapter{Back from Hell}</code> 785 <code>\minitoc</code> 786 <code>\section{Not dead yet!}</code> 787 <code>\lipsum[7]</code> 788 <code>\section{I will survive}</code> 789 <code>\lipsum[8]</code> 790 <code>\end{document}</code> 791 <code>\end{mtc-amm}</code>
-----------------------	-----------------------	---	--

## 4.7 The `mtc-apx.tex` document file

The `mtc-apx.tex` document file is described in section 2.25 on page 70.

## 4.8 The `mtc-art.tex` document file

`\stcindent` This is a basic document using the `minitoc` package. It contains sections but no chapters, so it  
`\stcfont` must use an article-like document class. You should work on a *copy* of this file and can alter its  
`\stcSSfont` preamble and its contents to make experiments with parameters. A typical preamble follows:

```
792 \documentclass[oneside]{article}
793 \usepackage{minitoc}
794 \usepackage{lipsum}
```

```

795%% package. You can alter most of parameters to test.
796%% article (\section must be defined)
797 \documentclass[12pt,a4paper]{article}
798 \ProvidesFile{mtc-art.tex}%
799 [2007/06/06]
800 \usepackage{lipsum} % provides filling text
801%% \usepackage{hyperref} % If used, load it BEFORE minitoc
802 \usepackage[tight,insection]{minitoc}
803 \setcounter{secnumdepth}{5} % depth of numbering of sectioning commands
804 \setcounter{tocdepth}{3} % depth of table of contents
805 \setlength{\stcindent}{24pt} % indentation of secttocs, default
806%% % font for secttocs, default
807 \renewcommand{\stcfont}{\small\rmfamily\upshape\mdseries}%
808%% % font for secttocs, subsections
809%% \renewcommand{\stcSSfont}{\small\sfont}%
810%% % you can make experiments with
811%% % \stcSSfont, \stcPfont and \stcSPfont
812%% % but it is ‘fontomania’...
813 \raggedbottom % or \flushbottom, at your choice

```

If you want to use sections numbered in each part (the section number restarts to 1 at the beginning of each part), uncomment the 3 lines of code below. This demonstrates that the numbering of the secttoc files is independent on the numbering of the sections (it is absolute).

```

814%%% TEST: uncomment the next line to test
815%%% resetting section number in each part
816%%% \makeatletter \@addtoreset{section}{part} \makeatother
817%%% END TEST

```

We begin the body of the document. You can still alter some parameters (presence or absence of rules and page numbers in the mini-tables):

```
818 \begin{document}
```

```

\dosecttoc The preparation commands, with their optional argument if necessary:
\dosectlof
\dosectlot 819 \dosecttoc
\doparttoc 820 \dosectlof[c] % center titles of the sectlofs
\dopartlof 821 \dosectlot
\dosectlot 822 \doparttoc % test of parttoc/partlof stuff
823 \dopartlof % added in version #15
824 \dopartlot % added in version #15

```

```

\fakeableofcontents It is necessary to create the contents files; use the “fake” version to not print.
\fakeistoffigures
\fakeistoftables 825 \fakeableofcontents % or \tableofcontents
826 \fakeistoffigures % to check compatibility
827 \fakeistoftables % to check compatibility

```

```

\part There is the text of the document, with its sectioning commands; we define a part, with a
\parttoc parttoc, a partlof (with the title on the right) and a parttoc:
\partlof
\partlot 828 \part{First Part} \parttoc \partlof[r] \partlot

\section A section, in two columns mode, with a secttoc (title on the right), and a sectlof; this section
\secttoc contains subsections to make a non-empty secttoc but no figures (to detect an empty sectlof).
\sectlof
\mtcskip 829 \twocolumn\sloppy % the secttoc in twocolumn layout is ugly,
830 % but works. Ideas to make it better?
831 \section{AAAAA} % a section with a lot of sections
832 \secttoc[r] % secttoc title on the right
833 \mtcskip \sectlof %ADDED
834 \lipsum[1]
835 \subsection{S1} \lipsum[2]
836 \subsection{S2} \lipsum[3]
837 \subsection{S3} \lipsum[4]
838 \subsection*{S4}
839 %% \addcontentsline{toc}{starsubsection}{*S4*}
840 \lipsum[5]

A lot of subsections:

841 \subsection{S5} \lipsum[6]
842 \subsection{S6} \lipsum[7]
843 \subsection{S7} \lipsum[8]
844 \subsection{S8} \lipsum[9]
845 \subsection{S9} \lipsum[10]
846 \subsection{S10} \lipsum[11]
847 \subsection{S11} \lipsum[12]
848 \subsection{S12} \lipsum[13]
849 \subsection{S13} \lipsum[14]
850 \subsection{S14} \lipsum[15]
851 \subsection{S15} \lipsum[16]
852 \subsection{S16} \lipsum[17]
853 \subsection{S17} \lipsum[18]
854 \subsection{S18} \lipsum[19]
855 \subsection{S19} \lipsum[20]
856 \subsection{S20} \lipsum[21]
857 \subsection{S21} \lipsum[22]
858 \subsection{S22} \lipsum[23]
859 \subsection{S23} \lipsum[24]
860 \subsection{S24} \lipsum[25]
861 \subsection{S25} \lipsum[26]
862 \subsection{S26} \lipsum[27]
863 \subsection{S27} \lipsum[28]
864 \subsection{S28} \lipsum[29]
865 \subsection{S29} \lipsum[30]
866 \subsection{S30} \lipsum[31]

\FloatBarrier We return to the one column mode. Then a section with a secttoc and a sectlof (there are
\section* subsections and figures). The insetion package option should ensure that floating objects
\mtcaddsection (like figures) do not drift outside their section.
\sectlof
\sectlot 867 \onecolumn\fussy % back to one column
868 \section{BBBBB}
869 \secttoc
870 \mtcskip % put some skip here
871 \sectlof % a sectlof
872 \lipsum[32]
873 \subsection{T1} \lipsum[33]
874 \begin{figure}[t] % tests compatibility with floating bodies
875 \setlength{\unitlength}{1mm}

```

```

876 \begin{picture}(100,50) \end{picture}
877 \caption{F1}           % (I have not tested tables, but it is similar)
878 \end{figure}
879 \FloatBarrier
880 \subsubsection[tt1]{TT1} % tests optional arg. of a sectioning command
881 \lipsum[34]
882 \paragraph{TTT1} \lipsum[35]
883 \subparagraph{TTTT1} \lipsum[36]
884 \begin{figure}[t]
885 \setlength{\unitlength}{1mm}
886 \begin{picture}(100,50) \end{picture}
887 \caption{f2}{F2}       % tests optional arg. of a caption
888 \end{figure}
889 \FloatBarrier
890 \subsection{T2} \lipsum[37]
891 \section*{CCCCC}      % tests a pseudo-section. should have no secttoc
892 %% \addstarredsection{CCCCC}
893 \mtcaddsection[CCCCC]
894 \secttoc \mtcskip \sectlof %ADDED
895 \lipsum[38]
896 \subsection{U1} \lipsum[39]
897 \subsubsection{UU1} \lipsum[40]
898 \paragraph{UUU1} \lipsum[41]
899 \subparagraph{UUUU1} \lipsum[42]
900 \subsection{U2} \lipsum[43]
901 \part{Second Part}
902 \parttoc
903 \partlof[c]
904 \partlot
905 %%                      % the following section should have no secttoc,
906 \section{DDDDD}        % but if you uncomment \secttoc,
907 %% \secttoc
908 \mtcskip \sectlof %ADDED
909 %                      % the secttoc appears
910 \lipsum[44]
911 \subsection{V1} \lipsum[45]
912 \subsubsection{VV1} \lipsum[46]
913 \paragraph{VVV1} \lipsum[47]
914 \subparagraph{VVVV1} \lipsum[48]
915 \begin{figure}[t]      % tests compatibility with floating bodies
916 \setlength{\unitlength}{1mm}
917 \begin{picture}(100,50) \end{picture}
918 \caption{F3}           % (I have not tested tables, but it is similar)
919 \end{figure}
920 \FloatBarrier
921 \lipsum[49] \subsection{V2} \lipsum[50]

```

```

\mtcskip We change the depth of the secttocs, inside a local group (a pair of braces):
\section
\chapter 922 \section{EEEEEE} % this section should have a secttoc
\secttoc 923 {% % left brace, see below
\sectlof 924 \setcounter{secttocdepth}{3} % depth of sect table of contents;
\sectlot 925 % try with different values.
\FloatBarrier 926 \secttoc
\part 927 \mtcskip \sectlof %ADDED
\parttoc 928 } % right brace
\partlof 929 %% this pair of braces is used to keep local the change on secttocdepth.
\partlot 930 \lipsum[51]
931 \subsection{W1} % with the given depth
932 \lipsum[52]
933 \subsubsection{WW1} \lipsum[53]
934 \paragraph{WWW1} \lipsum[54]
935 \begin{figure}[t] % tests compatibility with floating bodies
936 \setlength{\unitlength}{1mm}
937 \begin{picture}(100,50) \end{picture}
938 \caption{F4} % (I have not tested tables, but it is similar)
939 \end{figure}
940 \FloatBarrier
941 bla bla bla bla bla bla bla bla bla bla
942 \subparagraph{WWW1} \lipsum[55]
943 \subsection{W2} \lipsum[56]
944 \chapter*{}
945 \part{Appendices}
946 \parttoc \mtcskip
947 \partlof \mtcskip
948 \partlot
949 \FloatBarrier
950 \appendix
951 \section{Comments} \lipsum[57]
952 \secttoc
953 \mtcskip \sectlof %ADDED
954 \subsection{C1} \lipsum[58]
955 \subsection{C2} \lipsum[59]
956 \subsection{C3} \lipsum[60]
957 \begin{figure}[hb] % tests compatibility with floating bodies
958 \setlength{\unitlength}{1mm}
959 \begin{picture}(100,50) \end{picture}
960 \caption{F5} % (I have not tested tables, but it is similar)
961 \end{figure}
962 \FloatBarrier
963 \subsection{C4} \lipsum[61]
964 \FloatBarrier
965 \section{Evolution}
966 \secttoc
967 \sectlof % empty
968 \sectlot % empty
969 \lipsum[62]
970 \subsection{D1} \lipsum[63] \subsection{D2} \lipsum[64]
971 \subsection{D3} \lipsum[65] \subsection{D4} \lipsum[66]
972 \end{document}
973 </mtc - art>

```



## 4.9 The `mtc-bk.tex` document file

```

\setcounter This is a basic document using the minitoc package. It contains chapters, so it must use a
\mtcindent book-like or report-like document class. You should work on a copy of this file and can
\mtcfont alter its preamble and its contents to make experiments with parameters. A typical preamble
\mtcSfont follows:
\mtcSSfont

974 (*mtc - bk)
975 %%%%%%%%%%%%%%% A example file (differs from previous versions)
976 % mtc-bk.tex
977 % This file contains a set of tests for the minitoc.sty version #60 package file.
978 % You can alter most of parameters to test.
979 % Class: book/report (\chapter must be defined).
980 % You can use a copy of this file to play with minitoc commands and parameters.
981 \documentclass[12pt,a4paper]{report} % the report class uses less pages
982 % \documentclass[12pt,a4paper]{book}
983 \ProvidesFile{mtc-bk.tex}%
984 [2007/06/06]
985 \usepackage{lipsum} % provides filling text
986 % \usepackage{hyperref} % if used, load it BEFORE minitoc
987 % \usepackage{mtcoff}
988 \usepackage[tight]{minitoc} % tight option make shorter mini-tables
989 \setcounter{secnumdepth}{5} % depth of numbering of sectionning commands
990 \setcounter{tocdepth}{3} % depth of table of contents
991 \setlength{\mtcindent}{24pt} % indentation of minitocs, default
992 \renewcommand{\mtcfont}{\small\rm} % font for minitocs, default
993 \renewcommand{\mtcSfont}{\small\bf} % font for minitocs, sections, default
994 % \renewcommand{\mtcSSfont}{\small\sf} % font for minitocs, subsections
995 % you can make experiments with \mtcSSfont, \mtcPfont and \mtcSPfont
996 % but it is ‘fontomania’...
997 \raggedbottom % or \flushbottom, at your choice

```

If you want to use chapters numbered in each part (the chapter number restarts to 1 at the beginning of each part), uncomment the 3 lines of code below. This demonstrates that the numbering of the minitoc files is independent on the numbering of the chapters (it is absolute).

```

998 %% TEST: uncomment the next line to test resetting chapter number in each part
999 %% \makeatletter \@addtoreset{chapter}{part} \makeatother
1000 %% END TEST

```

```

\mtcpagenumbers We begin the body of the document. You can still alter some parameters (presence or absence
\noptcrule of rules and page numbers in the mini-tables):

```

```

1001 \begin{document}
1002 \mtcpagenumbers
1003 \noptcrule
1004 % \nomtcrule % suppresses minitoc rules
1005 % \nomtcpagenumbers % suppresses minitoc page numbers
1006 % \nomlfpagenumbers % ----- minilof ----
1007 % \nomltpagenumbers % ----- minilot ----

```

```

\domitoc   The preparation commands, with their optional argument if necessary:
\dominilof
\dominilot 1008 \domitoc
\doparttoc 1009 \dominilof[c]           % centers title of minilof's
\dopartlof 1010 \dominilot
\dopartlot 1011 \doparttoc             % test of parttoc/partlof stuff
           1012 \dopartlof             % added in version #15
           1013 \dopartlot             % added in version #15

\tableofcontents  It is necessary to create the contents files; use the "fake" version to not print.
\listoffigures
\fake listinoftables 1014 \tableofcontents      % or \faketableofcontents
                    1015 \listoffigures        % or \fakelistoffigures
                    1016 \fake listinoftables   % or listinoftables

Uncomment the following line if the first chapter must be numbered "0":

1017 %% \addtocounter{chapter}{-1} % to begin with Chapter 0

\part  There is the text of the document, with its sectionning commands:
\parttoc
\partlof 1018 \part{First Part}
\partlot 1019 \parttoc \partlof[r] \partlot[r]

A chapter, in two column mode, with a minitoc (title on the right):

1020 \twocolumn\sloppy           % the minitoc in twocolumn layout is ugly,
1021 \chapter{AAAAA}             % a chapter with a lot of sections
1022 \minitoc[r]                 % minitoc title on the right
1023 \lipsum[1]
1024 \section{S1} \lipsum[2]
1025 \section{S2} \lipsum[3]
1026 \section{S3} \lipsum[4]

\section*  A starred section; we want an entry in the TOC, so we add it the normal way:
\addtocontentsline
1027 \section*{S4}
1028 \addcontentsline{toc}{section}{\protect\numberline{}{S4}}
1029 \lipsum[5]

A lot of subsections:

1030 \section{S5} \lipsum[6]
1031 \section{S6} \lipsum[6]
1032 \section{S7} \lipsum[7]
1033 \section{S8} \lipsum[9]
1034 \section{S9} \lipsum[10]
1035 \section{S10} \lipsum[11]
1036 \section{S11} \lipsum[12]
1037 \section{S12} \lipsum[13]
1038 \section{S13} \lipsum[14]
1039 \section{S14} \lipsum[15]

```

```

1040 \section{S15} \lipsum[16]
1041 \section{S16} \lipsum[17]
1042 \section{S17} \lipsum[18]
1043 \section{S18} \lipsum[19]
1044 \section{S19} \lipsum[20]
1045 \section{S20} \lipsum[21]
1046 \section{S21} \lipsum[22]
1047 \section{S22} \lipsum[23]
1048 \section{S23} \lipsum[24]
1049 \section{S24} \lipsum[25]
1050 \section{S25} \lipsum[26]
1051 \section{S26} \lipsum[27]
1052 \section{S27} \lipsum[28]
1053 \section{S28} \lipsum[29]
1054 \section{S29} \lipsum[30]
1055 \section{S30} \lipsum[31]
1056 \subsection{SS1} \lipsum[32]
1057 \section{S31} \lipsum[33]

```

`\chapter` We return to one column mode. A new chapter, with a minitoc, a minilof and a minilot:

```

\minitoc
\minilof 1058 \onecolumn\fussy           % back to one column
\minilot 1059 \chapter{BBBBB}
\mtcskip 1060 \minitoc
1061 \mtcskip                            % put some skip here
1062 \minilof                             % a minilof
1063 \mtcskip                            % put some skip here
1064 \minilot                             % a minilot
1065 \lipsum[34]
1066 \section{T1} \lipsum[35]
1067 \begin{figure}[t]                   % tests compatibility with floating bodies
1068 \setlength{\unitlength}{1mm}
1069 \begin{picture}(100,50)
1070 \end{picture}
1071 \caption{F1}                        % (tables are similar)
1072 \end{figure}
1073 \begin{table}[b]                   % tests compatibility with floating bodies
1074 \setlength{\unitlength}{1mm}
1075 \begin{picture}(100,50)
1076 \end{picture}
1077 \caption{T1}                        % (tables are similar)
1078 \end{table}
1079 \clearpage
1080 \subsection[tt1]{TT1}              % tests optional arg. of a sectioning command
1081 \lipsum[36]
1082 \subsubsection{TTT1} \lipsum[37]
1083 \paragraph{TTT1} \lipsum[38]
1084 \begin{figure}
1085 \setlength{\unitlength}{1mm}
1086 \begin{picture}(100,50)
1087 \end{picture}
1088 \caption[f2]{F2}                    % tests optional arg. of a caption
1089 \end{figure}
1090 \section{T2} \lipsum[39]

```

`\chapter*` A starred chapter with an entry added in the TOC; all subordinate (lower) sectioning commands must also be starred.

```

\addstarredchapter
\addcontentsline
  \section* 1091 \chapter*{CCCCC}        % tests a pseudo-chapter; could have a minitoc.
\paragraph* 1092 \addstarredchapter{CCCCC}
  \part 1093 \lipsum[40]
  \parttoc
  \partlof

```

```

1094 \section*{U1}
1095 \addcontentsline{toc}{section}{U1}
1096 \lipsum[41]
1097 \subsection*{UU1}
1098 \addcontentsline{toc}{subsection}{UU1}
1099 \lipsum[42]
1100 \subsubsection*{UUU1}
1101 \addcontentsline{toc}{subsubsection}{UUU1}
1102 \lipsum[43]
1103 \paragraph*{UUUU1}
1104 \addcontentsline{toc}{paragraph}{UUUU1}
1105 \lipsum[44]
1106 \section*{U2}
1107 \addcontentsline{toc}{section}{U2}
1108 \lipsum[45]
1109 \part{Second Part}
1110 \parttoc
1111 \partlof[c]

```

This chapter has no minitoc, but if you uncomment `\minitoc`, the minitoc will appear.

```

1112%%                                % the following chapter should have no minitoc,
1113 \chapter{DDDDD}                   % but if you uncomment \minitoc,
1114%% \minitoc                         % the minitoc appears
1115 \lipsum[46]
1116 \section{V1} \lipsum[47]
1117 \subsection{VV1} \lipsum[48]
1118 \subsubsection{VVV1} \lipsum[49]
1119 \paragraph{VVVV1} \lipsum[50]
1120 \begin{figure}[t]                 % tests compatibility with floating bodies
1121 \setlength{\unitlength}{1mm}
1122 \begin{picture}(100,50)
1123 \end{picture}
1124 \caption{F3}                       % (I have not tested tables, but it is similar)
1125 \end{figure}
1126 \lipsum[51]
1127 \section{V2} \lipsum[52]

```

We change the depth of the minitocs, inside a local group (a pair of braces):

```

1128 \chapter{EEEE}                   % this chapter should have a minitoc
1129 {%                                % left brace, see below
1130 \setcounter{minitocdepth}{3}      % depth of mini table of contents;
1131                                   % try with different values.
1132 \minitoc
1133 }                                    % right brace
1134%% this pair of braces is used to keep local the change
1135%% on minitocdepth.
1136 \lipsum[53]
1137 \section{W1}                       % with the given depth
1138 \lipsum[54]
1139 \subsection{WW1} \lipsum[55]

```

```

1140 \subsubsection{WWW1} \lipsum[56]
1141 \begin{figure}[t]          % tests compatibility with floating bodies
1142 \setlength{\unitlength}{1mm}
1143 \begin{picture}(100,50)
1144 \end{picture}
1145 \caption{F4}              % (I have not tested tables here, but it is similar)
1146 \end{figure}
1147 \lipsum[57]
1148 \paragraph{WWW1} \lipsum[58]
1149 \subparagraph{WWWWW1} \lipsum[59]
1150 \section{W2} \lipsum[60]

```

`\appendix` Here, we encounter a classical problem: to make a local table of contents for a set of appendices, while hiding these entries in the main table of contents. First, we create a part, with its

`\part` parttoc:

`\parttoc`

```

1151 \appendix
1152 \part{Appendices}
1153 \parttoc

```

`mtchideinmaintoc` Then, we begin a `mtchideinmaintoc` environment, with the hiding depth as optional

`\chapter` argument:

`\minitoc`

```

1154 \begin{mtchideinmaintoc}[-1]
1155 \chapter{Comments}
1156 \minitoc
1157 \section{C1} \lipsum[61]
1158 \section{C2} \lipsum[62]
1159 \section{C3} \lipsum[63]
1160 \begin{figure}[t]          % tests compatibility with floating bodies
1161 \setlength{\unitlength}{1mm}
1162 \begin{picture}(100,50)
1163 \end{picture}
1164 \caption{F5}              % (I have not tested tables, but it is similar)
1165 \end{figure}
1166 \section{C4}
1167 \chapter{Evolution}
1168 \minitoc
1169 \minilof %Empty => invisible
1170 \minilot %Empty => invisible
1171 \section{D1} \lipsum[64]
1172 \section{D2} \lipsum[65]
1173 \section{D3} \lipsum[66]
1174 \section{D4} \lipsum[67]

```

`mtchideinmaintoc` We terminate the part by adding a marker in the TOC file, then we must close this

`\addtocontents` `mtchideinmaintoc` environment:

```

1175 %% this line closes the omitted part
1176 \addtocontents{toc}{\protect\partbegin}
1177 %% this line restore the depth in the main TOC

```

```

1178 \end{mtchideinmaintoc}
1179 \lipsum[68]
1180 \end{document}
1181 </mtc - bk>

```

## 4.10 The mtc-bo.tex document file

This document shows the use of the minitoc package in a document using a two column layout for some portions and the tocloft package [469]. The aim is to begin a chapter with a special head and a preliminary block containing a minitoc and some indications, on two columns. The preamble loads the geometry package [447], which defines the global page layout, the multicol package [325], the color package [120], because we want a colored background for the minitoc, the tocloft package [469], to change some parameters of the minitoc, and, at least, the minitoc package itself:

```

1182 <*mtc - bo>
1183 \documentclass[10pt]{book}
1184 \ProvidesFile{mtc-bo.tex}%
1185 [2007/04/17]
1186 \usepackage[paperwidth=8.5in,paperheight=11in,%
1187 lmargin=1.25in,rmargin=1.25in,tmargin=1in,bmargin=1in]{geometry}
1188 \usepackage{multicol}
1189 \usepackage{color}

```

```

\setlength We use the tocloft package and its commands to set the indentations in the TOC and the
\addtolength minitoc:
\cftsecindent
\cftsecnumwidth 1190 \usepackage{tocloft}
\cftsubsecindent 1191 \setlength{\cftsecindent}{0cm}
\cftsubsecnumwidth 1192 \setlength{\cftsecnumwidth}{15 pt}
\cftsubsubsecindent 1193 \setlength{\cftsubsecindent}{\cftsecindent}
\cftsubsubsecnumwidth 1194 \addtolength{\cftsubsecindent}{\cftsecnumwidth}
1195 \setlength{\cftsubsecnumwidth}{20 pt}
1196 \setlength{\cftsubsubsecindent}{\cftsubsecindent}
1197 \addtolength{\cftsubsubsecindent}{\cftsubsecnumwidth}

```

\cftpagenumbersoff Note that if we want to suppress the page numbers in the minitoc, we must use the commands from tocloft:

```

1198 \cftpagenumbersoff{sec}
1199 \cftpagenumbersoff{subsec}

```

```

\mtcindent We load the minitoc package and change the indentation, suppress the rules and change the
\nomtcrule minitoc title. The hyperref package [391] can also be loaded (after minitoc).
\nomtcpagenumbers
\mtctitle

```

```

1200 \usepackage[francais,tight]{minitoc}
1201 \usepackage{hyperref}
1202 \setlength{\mtcindent}{0pt}
1203 \nomtcrule          % pas de filets en haut et en bas de la mini-tdm
1204 \nomtcpagenumbers % pas de numéro de pages
1205 %                  (non fonctionnel avec tocloft)
1206 \renewcommand{\mtctitle}{Contenu de la rencontre}

```

We load also some packages for the french language (some are local):

```

1207 \usepackage[francais]{babel}
1208 \usepackage{franc,frnew}
1209 \usepackage[T1]{fontenc}
1210 \usepackage[isolatin]{inputenc}
1211 \usepackage{mypatches}

```

This code redefines the format of the chapter head:

```

1212 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1213 % MACRO POUR AVOIR LE MOT « RENCONTRE » AU LIEU DE « CHAPITRE » %
1214 % Sans saut de ligne (modification du code qui se trouve dans la FAQ) %
1215 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1216 \makeatletter
1217 \def\@makechapterhead#1{%
1218   \vspace*{10\p@}%
1219   {\parindent \z@ \raggedleft \normalfont
1220     \interlinepenalty\@M
1221     \ifnum \c@secnumdepth >\m@ne
1222       \Huge\bfseries\sffamily Rencontre \thechapter\% \quad
1223       \fi
1224     \Huge\bfseries\sffamily #1\par\nobreak
1225     \vskip 10\p@}
1226 }}
1227 \def\@makeschapterhead#1{%
1228   \vspace*{10\p@}%
1229   {\parindent \z@ \raggedright \normalfont
1230     \interlinepenalty\@M
1231     \Huge \sffamily #1\par\nobreak
1232     \vskip 10\p@}
1233 }} \makeatother

```

We define an environment (`pageUn`) for the block placed at the beginning of a chapter. This block contains a `minitoc`, then a sequence of informations given by the 6 parameters of the environment. The block uses a `multicols` environment to typeset on two columns. Some decorations are added: rules, colored background for the `minitoc`.

```

1234 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1235 %: ENVIRONNEMENT POUR LA PAGE 1 DES RENCONTRES %
1236 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1237 % param1: date de la rencontre
1238 % param2: nombre de périodes

```

```

1239 % param3: liste des documents distribués
1240 % param4: messages
1241 % param5: lecture
1242 % param6: exercices
1243 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1244 \newenvironment{pageUn}[6]{%
1245 \parindent = 0.0in
1246 \rule{\linewidth}{1pt}
1247 \begin{multicols}{2}
1248     {\large \bfseries Math. pour médecine nucléaire\\
1249     \textit{(#2)}}
1250     \vfill\columnbreak
1251     \raggedleft\bfseries Automne 2003\\
1252     #1
1253 \end{multicols}
1254 \vspace{-18pt}
1255 \rule{\linewidth}{1pt}
1256
1257 \setlength{\columnseprule}{.3pt} \setlength{\columnsep}{1cm}
1258 \begin{multicols}{2}%
1259
1260 %: TABLE DES MATIÈRES (col. gauche)
1261 \colorbox[cmym]{.1,0,0,0}{%
1262     \parbox{\linewidth}{%
1263         \setcounter{minitocdepth}{3}%
1264         \minitoc%
1265     }}
1266 %\vfill \columnbreak ~ \vfill
1267
1268 \mtcskip
1269
1270 %: DOCUMENTS DISTRIBUÉS (début col. droite)
1271
1272 {\large \bfseries Documents distribués}
1273 \begin{itemize} \renewcommand{\labelitemi}{$\star$} #3 \end{itemize}
1274
1275 %: MESSAGES AUX ÉTUDIANTS
1276
1277 \vspace{12pt}{\large \bfseries Messages}
1278 \begin{itemize} \renewcommand{\labelitemi}{$\star$} #4 \end{itemize}
1279
1280 %: LECTURE
1281 \vspace{12pt}{\large \bfseries Lecture}\vspace{-6pt} \par#5 \par
1282
1283 % EXERCICES
1284 \vspace{12pt}{\large \bfseries Exercices}\vspace{-6pt}\par#6\par
1285
1286 %\newpage
1287 \end{multicols}%
1288 }
1289 %{\newpage}
1290 {\hrule}
1291
1292 %\renewcommand{\baselinestretch}{1.2} %interligne

```



```

1293
1294 %\pagestyle{empty} %pas de # de page
1295 %\parindent = 0.0in
1296 \parskip = 0.1in
1297
1298 %%%%%%%%%%
1299 %: REDÉFINIR LES SECTIONS %
1300 %%%%%%%%%%
1301 \renewcommand{\thesection}{\Alph{section}}
1302 %\renewcommand{\thesection}{\thechapter-\Alph{section}}
1303

```

The body of the document:

```

1304 %%%%%%%%%%
1305 %: BEGIN %
1306 %%%%%%%%%%
1307 \begin{document}
1308 \dominitoc \faketableofcontents
1309 \chapter{Première étape (début)}
1310 %\minitoc
1311 \begin{pageUn}
1312     {%1    Date du cours
1313           lundi 25 août
1314           }
1315     {%2    Durée du cours
1316           2 périodes
1317           }
1318     {%3    Liste des documents à~distribuer
1319           \item Plan de cours
1320           \item Fiche d'identification
1321           \item Grille horaire
1322           \item Feuilles d'exercices supplémentaires
1323           }
1324     {%4    Ne pas oublier
1325           \item Acheter le livre de référence
1326           \item Apporter une disquette
1327           }
1328     {%5    Lecture
1329           Lire les pages ppp à~ppp et ppp à~ppp
1330           }
1331     {%6    Exercice
1332           Faire les exercices nnn de la page ppp
1333           }
1334 \end{pageUn}
1335
1336 %%%%%%%%%%
1337 \section{Titre de la section} %
1338 %%%%%%%%%%
1339
1340 Texte dans la section
1341
1342 %%

```

```

1343 \subsection{Une sous-section}
1344 %%
1345 Bla bla bla
1346
1347 %%
1348 \subsection{Une autre sous-section}
1349 %%
1350 Bla bla bla
1351
1352
1353 %%%%%%%%%%%
1354 \section{Titre d'une autre section} %
1355 %%%%%%%%%%%
1356
1357 Texte dans la section
1358
1359 %%
1360 \subsection{Une sous-section}
1361 %%
1362 Bla bla bla
1363
1364 %%
1365 \subsection{Une autre sous-section}
1366 %%
1367 Bla bla bla
1368
1369 %%%%%%%%%%%
1370 \section{Encore une autre section} %
1371 %%%%%%%%%%%
1372
1373 Texte dans la section
1374
1375 \end{document}
1376 </mtc - bo>

```

## 4.11 The mtc-ch0.tex document file

`\dominitoc` This document shows the use of the minitoc package in a document using a starred first chapter, inducing the “Chapter Zero” problem.

`\tableofcontents`

```

1377 < *mtc - ch0 >
1378 \documentclass[12pt,a4paper]{report}
1379 \ProvidesFile{mtc-ch0.tex}%
1380 [2007/01/04]
1381 \usepackage[tight,english]{minitoc}
1382 \begin{document}
1383 \dominitoc \tableofcontents

```

```

\chapter* The first chapter is starred, but contains real numbered sections. We add an entry in the TOC
\mtcaddchapter for this chapter and see that its sections are using “0” as chapter number:
\minitoc

```

```

1384 \chapter*{Chapter One (starred)}
1385 \mtcaddchapter[Fake chapter one]
1386 \minitoc
1387 \section{Chap 1, section 1}
1388 That’s right, folks -- we’re close to the release of Firefox and
1389 Thunderbird~1.0 and, just like our last 1.0~release, we want to organize
1390 worldwide parties to celebrate.
1391
1392 Thanks to Dominik ‘Aeneas’ Schnitzer, we have an all-new and improved
1393 Mozilla Party Webtool~2.0. You can create your own party, or sign up for
1394 one already in progress -- and, in an improvement on Webtool~1.0,
1395 organizers can now edit and update party details. The tool allows you to
1396 organize a celebration in any of 243~countries, principalities,
1397 dominions and islands around the world. Never let it be said that we do
1398 things by halves around here.
1399
1400 \subsection{Chap 1, section 1, subsection 1}
1401 That’s right, folks -- we’re close to the release of Firefox and
1402 Thunderbird~1.0 and, just like our last 1.0~release, we want to organize
1403 worldwide parties to celebrate.
1404
1405 Thanks to Dominik ‘Aeneas’ Schnitzer, we have an all-new and improved
1406 Mozilla Party Webtool~2.0. You can create your own party, or sign up for
1407 one already in progress -- and, in an improvement on Webtool~1.0,
1408 organizers can now edit and update party details. The tool allows you to
1409 organize a celebration in any of 243~countries, principalities,
1410 dominions and islands around the world. Never let it be said that we do
1411 things by halves around here.

```

```

\chapter The second chapter is normal:
\minitoc

```

```

1412 \chapter{Chapter Two (numbered one)}
1413 \minitoc
1414 \section{Chapter 2, section 1}
1415 That’s right, folks -- we’re close to the release of Firefox and
1416 Thunderbird 1.0 and, just like our last 1.0~release, we want to organize
1417 worldwide parties to celebrate.
1418
1419 Thanks to Dominik ‘Aeneas’ Schnitzer, we have an all-new and improved
1420 Mozilla Party Webtool~2.0. You can create your own party, or sign up for
1421 one already in progress -- and, in an improvement on Webtool~1.0,
1422 organizers can now edit and update party details. The tool allows you to
1423 organize a celebration in any of 243~countries, principalities,
1424 dominions and islands around the world. Never let it be said that we do
1425 things by halves around here.
1426 \end{document}
1427 </mtc – ch0>

```

## 4.12 The `mtc-cri.tex` document file

<pre> \mtcsetdepth This document shows the use of the minitoc package in a document with a starred part and \doparttoc   starred chapters. Note the use of the adjustment commands. This example is not commented: \dominitoc   just follow the insertion of the mini-tables in the mtc-cri.log file. \tableofcontents   \part* 1428 (*mtc – cri) \mtcaddpart 1429 \documentclass[12pt,a4paper]%   \adjustptc 1430 {report}   \parttoc 1431 \ProvidesFile{mtc-cri.tex}%   \chapter* 1432 [2007/01/04] \mtcaddchapter 1433 \usepackage[français]{babel}   \chapter 1434 \usepackage[T1]{fontenc}   \minitoc 1435 \usepackage[latin1]{inputenc}   \section 1436 \usepackage%   1437 [french2,tight]%   1438 {minitoc}   1439   1440 \mtcsetdepth{parttoc}{2}   1441   1442 \begin{document}   1443 \doparttoc \dominitoc   1444 \tableofcontents   1445 \part*{Présentation générale}   1446 \mtcaddpart[Présentation générale]   1447 \adjustptc[-2]   1448 \parttoc   1449   1450 Texte de la   1451 présentation générale\ldots   1452   1453 \chapter*{Les auteurs}   1454 \mtcaddchapter[Les auteurs]   1455 Présentation des auteurs\ldots   1456 </pre>	<pre> 1457 \chapter*{Les lecteurs} 1458 \mtcaddchapter[Les lecteurs] 1459 Présentation des lecteurs\ldots 1460 1461 \part{Première partie} 1462 \parttoc 1463 \chapter*{Introduction} 1464 \mtcaddchapter[Introduction] 1465 \chapter{Premier chapitre} 1466 \minitoc 1467 \section{Première section~A} 1468 \section{Deuxième section~A} 1469 \chapter{Deuxième chapitre} 1470 \minitoc 1471 \section{Première section~B} 1472 \section{Deuxième section~B} 1473 1474 \part{Deuxième partie} 1475 \parttoc 1476 \chapter{Premier chapitre} 1477 \minitoc 1478 \section{Première section~C} 1479 \section{Deuxième section~C} 1480 \chapter{Deuxième chapitre} 1481 \minitoc 1482 \section{Première section~D} 1483 \section{Deuxième section~D} 1484 \end{document} 1485 \end{mtc – cri} </pre>
--	--

## 4.13 The `mtc-fko.tex` document file

This is a document using the `scrbook` class. Without any precaution, some entries in the minitocs are not in the right font (bold sans serif) like in the main table of contents; moreover, the language of the minitoc titles is not correct because the options of the `babel` package are not transferred to the minitoc package. To solve the language problem, we just set “german” as a *global* option in the `\documentclass` command (babel and minitoc will hence use this global option).

```

1486 ⟨*mtc – fko⟩
1487 \documentclass[german,a4paper,oneside]{scrbook}
1488 \ProvidesFile{mtc-fko.tex}%
1489 [2007/02/19]

```

`\mtcindent` Then we load the packages and set some parameters:

```

1490 \usepackage{babel}
1491 \usepackage[tight]{minitoc}
1492 \setlength{\mtcindent}{0pt} % optional

```

`\mtcsetfont` Then we set explicitly the fonts for the entries<sup>4</sup> and the font of the titles of the minitocs, knowing that the font command `\sectfont` is defined in `scrbook.cls`; we change also the title for the minitocs:

```

\mtcsetfont
\mtcsetttitlefont
\sectfont
\mtcsetttitle
1493 \mtcsetfont{minitoc}{section}{\sectfont\small}
1494 \mtcsetttitlefont{minitoc}{\sectfont\large}
1495 \mtcsetttitle{minitoc}{Inhalt}

```

`\dominitoc` Then the body of the document, with a chapter (with a minitoc) containing a section. The section entry did not appear in bold sans serif in the original document (before the corrections).

```

\tableofcontents
\chapter
\minitoc
1496 \begin{document}
1497 \dominitoc \tableofcontents
1498 %
1499 \chapter{Ein serifenloses Kapitel}
1500 \minitoc % Aufruf Minitoc
1501 \section{Dieser Text ist in minitoc serifenlos}
1502 Auch der Text \glqq Inhaltsangabe\grqq\ will
1503 so wie koma es definiert.
1504 \end{document}
1505 ⟨/mtc – fko⟩

```

## 4.14 The `mtc-fo1.tex` document file

`\doparttoc` This document creates several copies of the same parttoc, but with different fonts (for the chapter level entries); you can compare the results.

```

\tableofcontents
\part
1506 ⟨*mtc – fo1⟩
1507 \documentclass{report}
1508 \ProvidesFile{mtc-fo1.tex}%
1509 [2007/01/04]
1510 \usepackage{lipsum}
1511 \usepackage{txfonts}

```

<sup>4</sup> Here we only gave the commands for the section entries in the minitocs, but analog commands may be used for lower entries.

```

1512 \usepackage[tight]{minitoc}
1513 \begin{document}
1514 \doparttoc \dominitoc \tableofcontents
1515 \part{Introduction} \clearpage

```

`\parttoc` A first copy, with default fonts:

```
1516 \parttoc \clearpage
```

`\mtcsetfont` A second copy, roman bold font for chapter entries:  
`\parttoc`

```

1517 \mtcsetfont{parttoc}{chapter}{\normalsize\rmfamily\upshape\bfseries}
1518 \parttoc \clearpage

```

`\mtcsetfont` A third copy, typewriter bold font for chapter entries:  
`\parttoc`

```

1519 \mtcsetfont{parttoc}{chapter}{\normalsize\ttfamily\upshape\bfseries}
1520 \parttoc \clearpage

```

`\mtcsetfont` A fourth copy, not bold typewriter font for chapter entries:  
`\parttoc`

```

\chapter 1521 \mtcsetfont{parttoc}{*}{\normalsize\ttfamily\upshape\mdseries}
\minitoc 1522 \parttoc \clearpage
\section 1523 \chapter{A very short chapter}
\subsection 1524 \minitoc
1525 \lipsum[1]
1526 \section{First section} \lipsum[2]
1527 \subsection{Alpha} \lipsum[3]
1528 \subsection{Beta} \lipsum[4]
1529 \section{Second section} \lipsum[5]
1530 \subsection{Gamma} \lipsum[6]
1531 \subsection{Delta} \lipsum[7]
1532 \end{document}
1533 </mtc - fo1>

```

## 4.15 The `mtc-fo2.tex` document file

This document creates several copies of the same `parttoc`, but with different fonts (for the chapter level entries); you can compare the results. As the fonts are not declared the same way, compare the results with those of `mtc-fo1.tex` (see section 4.14 on the preceding page).

```

1534 (*mtc - fo2)
1535 \documentclass{report}
1536 \ProvidesFile{mtc-fo2.tex}%
1537 [2007/01/04]

```

```

1538 \usepackage{lipsum}
1539 \usepackage{txfonts}
1540 \usepackage[tight]{minitoc}

```

```

\ptcfont We declare the fonts with the old method:
\ptcSSfont
\ptcSSfont 1541 \def\ptcSSfont{\ptcfont} % (subsections)
\ptcPfont 1542 \def\ptcSSfont{\ptcfont} % (subsubsections)
\ptcSPfont 1543 \def\ptcPfont{\ptcfont} % (paragraphs)
\plffont 1544 \def\ptcSPfont{\ptcfont} % (subparagraphs)
\plfSfont 1545 \def\plffont{\ptcfont} % (figures)
\pltfont 1546 \def\plfSfont{\ptcfont} % (subfigures)
\pltSfont 1547 \def\pltfont{\ptcfont} % (tables)
\doparttoc 1548 \def\pltSfont{\ptcfont} % (subtables)
1549 \begin{document}
\dominitoc 1550 \doparttoc \dominitoc
\tableofcontents 1551 \tableofcontents
\part 1552 \part{Introduction}
1553 \clearpage

```

`\parttoc` A first version of the parttoc, with the fonts defined above:

```
1554 \parttoc \clearpage
```

`\mtcsetfont` A second version of the parttoc, with chapter entries in a roman bold font:  
`\parttoc`

```
1555 \mtcsetfont{parttoc}{chapter}{\normalsize\rmfamily\upshape\bfseries}
1556 \parttoc \clearpage
```

`\mtcsetfont` A third version of the parttoc, with chapter entries in a typewriter bold font:  
`\parttoc`

```
1557 \mtcsetfont{parttoc}{chapter}{\normalsize\ttfamily\upshape\bfseries}
1558 \parttoc \clearpage
```

`\mtcsetfont` A fourth version of the parttoc, with chapter entries in a non bold typewriter font:  
`\parttoc`

```
1559 \mtcsetfont{parttoc}{*}{\normalsize\ttfamily\upshape\mdseries}
1560 \parttoc \clearpage
1561 \chapter{A very short chapter}
1562 \minitoc
1563 \lipsum[1]
1564 \section{First section} \lipsum[2]
1565 \subsection{Alpha} \lipsum[3] \subsection{Beta} \lipsum[4]
1566 \section{Second section} \lipsum[5]
1567 \subsection{Gamma} \lipsum[6] \subsection{Delta} \lipsum[7]
1568 \end{document}
1569 </mtc - fo2>

```

## 4.16 The `mtc-gap.tex` document file

The `mtc-gap.tex` document file is described in section 2.44 on page 79.

## 4.17 The `mtc-hi1.tex` document file

The `mtc-hi1.tex` document file is described in section 2.25 on page 71.

## 4.18 The `mtc-hi2.tex` document file

The `mtc-hi2.tex` document file is described in section 2.25 on page 72.

## 4.19 The `mtc-hia.tex` document file

`\dosectlot` This document shows the use of the `minitoc` package in a document where the entries for some  
`\listoftables` tables must be hidden in the main list of tables. The document uses the `article` class.

<pre> \section \sectlot 1570 (*mtc - hia) 1571 \documentclass% 1572 [oneside,a4paper]{article} 1573 \ProvidesFile{mtc-hia.tex}% 1574 [2007/01/04] 1575 \usepackage{lipsum} 1576 \usepackage% 1577 [tight,insection]% 1578 {minitoc} 1579 \dosectlot 1580 \begin{document} 1581 \listoftables </pre>	<pre> 1582 \section{First section} 1583 \sectlot 1584 \lipsum[1] 1585 \begin{table}[hb] 1586 \caption{My first visible table} 1587 \end{table} 1588 \lipsum[2] 1589 \begin{table}[ht] 1590 \caption{A second visible table} 1591 \end{table} 1592 \lipsum[3] </pre>
---	---

`\mtchideinmainlot` For the *first* hidden table, we add `\mtchideinmainlot` before its caption:

<pre> \section \sectlot 1593 \begin{table}[hb] 1594 \mtchideinmainlot 1595 \caption{My first hidden table} 1596 \end{table} 1597 \lipsum[4-6] 1598 \begin{table}[ht] </pre>	<pre> 1599 \caption{A second hidden table} 1600 \end{table} 1601 \lipsum[7] 1602 \section{Second section} 1603 \sectlot 1604 \lipsum[8] </pre>
---	--





`\endmtchideinmainlot` For the *last* hidden table, we add `\endmtchideinmainlot` *after* its caption:

<pre>1605 \begin{table}[hb] 1606 \caption{My last hidden table} 1607 \endmtchideinmainlot 1608 \end{table} 1609 \lipsum[9] 1610 \begin{table}[ht] 1611 \caption{A third visible table} 1612 \end{table}</pre>	<pre>1613 \lipsum[10] 1614 \begin{table}[hb] 1615 \caption{A fourth visible table} 1616 \end{table} 1617 \lipsum[11] 1618 \end{document} 1619 \end{mtc-hia}</pre>
---	---



## 4.20 The `mtc-hir.tex` document file

`\dominilot` This document shows the use of the `minitoc` package in a document where the entries for some tables must be hidden in the main list of tables. The document uses the `report` class.

`\listoftables`

`\chapter`

`\minilot`

```
1620 (*mtc - hir)
1621 \documentclass[a4paper]{report}
1622 \ProvidesFile{mtc-hir.tex}%
1623 [2007/01/04]
1624 \usepackage{lipsum}
1625 \usepackage[tight]{minitoc}
1626 \dominilot
1627 \begin{document}
1628 \listoftables
1629 \chapter{First chapter}
```

```
1630 \minilot
1631 \lipsum[1]
1632 \begin{table}[hb]
1633 \caption{My first visible table}
1634 \end{table}
1635 \lipsum[2]
1636 \begin{table}[ht]
1637 \caption{A second visible table}
1638 \end{table}
1639 \lipsum[3]
```

`\mtchideinmainlot` For the *first* hidden table, we add `\mtchideinmainlot` *before* its caption:

`\chapter`

`\minilot`

```
1640 \begin{table}[hb]
1641 \mtchideinmainlot % <--
1642 \caption{My first hidden table}
1643 \end{table}
1644 \lipsum[4-6]
1645 \begin{table}[ht]
```

```
1646 \caption{A second hidden table}
1647 \end{table}
1648 \lipsum[7]
1649 \chapter{Second chapter}
1650 \minilot
1651 \lipsum[8]
```



`\endmtchideinmainlot` For the *last* hidden table, we add `\endmtchideinmainlot` *after* its caption:

<pre>1652 \begin{table}[hb] 1653 \caption{My last hidden table} 1654 \endmtchideinmainlot % &lt;-- 1655 \end{table} 1656 \lipsum[9] 1657 \begin{table}[ht]</pre>	<pre>1658 \caption{A third visible table} 1659 \end{table} 1660 \lipsum[10] 1661 \begin{table}[hb] 1662 \caption{A fourth visible table} 1663 \end{table}</pre>
--	---



```
1664 \lipsum[11]
1665 \end{document} | 1666 </mtc – hir>
```

## 4.21 The mtc-hop.tex document file

This document shows the use of the minitoc package in a document of class scrbook.

```
1667 <*mtc – hop>
1668 \documentclass[oneside,12pt]{scrbook}
1669 \ProvidesFile{mtc-hop.tex}%
1670 [2007/01/04]
1671 \usepackage{lipsum}
1672 \usepackage[hints]{minitoc}
1673 \begin{document}
```

```

\dominitoc We prepare the minitocs and the minilofs, we print the TOC but not the LOF (while the LOF
\dominilof file is prepared):
\tableofcontents
\listoffigures 1674 \dominitoc \tableofcontents
1675 \dominilof \fakelistoffigures
```

```

\part* A starred part with its entry in the TOC:
\mtcaddpart
1676 \part*{Part 1: Strategic Marketing}
1677 \mtcaddpart[Part 1: Strategic Marketing]
```

```

\chapter Then two chapters with their minitocs and minitocs:
\minitoc
\minilof 1678 \chapter{Chapter 1}
1679 \minitoc \minilof
1680 \section{Section one of first chapter} \lipsum[1]
1681 \begin{figure}
1682 \centering Test
1683 \caption{Picture one of first chapter}
1684 \end{figure}
1685
1686 \section{Section two of first chapter} \lipsum[2]
1687 \begin{figure}
1688 \centering Test
1689 \caption{Picture two of first chapter}
1690 \end{figure}
1691
1692 \chapter{Chapter 2}
1693 \minitoc \minilof
1694
1695 \section{Section one of second chapter} \lipsum[3]
```

```

1696 \begin{figure}
1697     \centering Test
1698     \caption{Picture one of second chapter}
1699 \end{figure}
1700 \cleardoublepage
1701 \section{Section two of second chapter} \lipsum[4]
1702 \begin{figure}
1703     \centering Test
1704     \caption{Picture two of second chapter}
1705 \end{figure}
1706 \end{document}
1707 </mtc - hop>

```

## 4.22 The mtc-liv.tex document file

This document shows the use of the minitoc package in a document of book class, with customized TOC and minitocs.

```

1708 <*mtc - liv>
1709 \documentclass[10pt,twoside,openright]{book}
1710 \ProvidesFile{mtc-liv.tex}%
1711 [2007/01/04]

```

First, we want that empty pages be really empty, without page number nor headers, so we redefine `\cleardoublepage`:

```

1712 \makeatletter
1713 \def\ps@chapterverso{\ps@empty}%
1714 \def\cleardoublepage{\clearpage
1715   \if@twoside
1716     \ifodd\c@page\else
1717       \null\thispagestyle{chapterverso}\newpage
1718     \if@twocolumn\null\newpage\fi
1719   \fi
1720   \fi
1721 }%
1722 \def\ps@chapterverso{\ps@empty}%
1723 \makeatother

```

We define the encodings, for input and output, because the document is in french and uses accented letters:

```

1724 \usepackage[latin1]{inputenc}
1725 \usepackage[TS1,T1]{fontenc}

```

We load two packages, `tocloft` [469], to customize the TOC and the minitocs, and `sectsty` [319], to customize the sectioning commands:

```
1726 \usepackage{tocloft}
1727 \usepackage{sectsty}
```

We load the minitoc package then some complementary local packages for the french language:

```
1728 \usepackage[french,undotted,tight]{minitoc}
1729 \usepackage[english,français]{babel}
1730 \usepackage{franc,frnew,mypatches}
1731 \providecommand{\fup}{\textsuperscript}
```

```
\addtolength We make some customizations: indentation for the subsection entries in the TOC and the
\cftsubsecindent minitocs, depth of the TOC, numerotation depth, depth of the minitocs, some fonts:
\cftsetrmarg
\setcounter 1732 \addtolength{\cftsubsecindent}{1em} % for tocloft
\chapterfont 1733 \cftsetrmarg{2.55em plus 1fil} % to avoid hyphenations in the ToC (tocloft).
\thesection 1734 \setcounter{tocdepth}{3}
\sectionfont 1735 \setcounter{secnumdepth}{1}
\raggedright 1736 \setcounter{minitocdepth}{4}
1737 \chapterfont{\huge\bfseries\sffamily} % for sectsty
1738 \renewcommand{\thesection}{\arabic{section}}
1739 \sectionfont{\Large\raggedright} % for sectsty (to avoid hyphenations in section titles)
```

Some informations for the title page:

```
1740 \title{Systèmes d'occultation} \author{Laurent~\textsc{Bloch}}
```

```
\dominitoc And the document body5:
\tableofcontents
\chapter 1741 \begin{document}
\minitoc 1742
\section 1743 \maketitle
\subsection 1744
\subsection* 1745 \dominitoc \tableofcontents
\subsubsection 1746
\addcontentsline 1747 \chapter{Définition et contrôle du travail à~faire}%
1748 \label{chap+controle}
1749 \minitoc
1750
1751 \section{Le modèle de la grande industrie et le taylorisme}%
1752 \index{taylorisme}
1753 C'est au \textsc{xviii}\fup{e}~siècle que la vision du travail comme
1754 marchandise est vraiment devenue dominante, pour s'imposer au
1755 \textsc{xix}\fup{e}~siècle dans l'organisation type de la grande usine
1756 industrielle.
1757
1758 \subsection*{Après l'usine, le centre d'appel}\index{centre d'appel}
1759 \addcontentsline{toc}{subsection}{Après l'usine, le centre d'appel}
1760 Aujourd'hui le taylorisme\index{taylorisme} au sens
```

<sup>5</sup> The text has been shortened, so there is an undefined reference; do not worry.

1761 strict est en déclin parce qu'il n'est plus guère adapté aux  
1762 besoins de la production industrielle contemporaine non plus qu'aux  
1763 nouvelles normes de comportement individuel et collectif.  
1764

1765 \section{Tout travail émet de la pensée}  
1766 Le travail a vocation à~produire du sens, pour son auteur comme pour  
1767 son destinataire.  
1768

1769 \section{Théorie et pratique de la commande publique}  
1770 En France, les prestations de service commandées par les  
1771 services publics à~des entreprises font l'objet de contrôles  
1772 de leur bonne réalisation selon des procédures et des règles  
1773 qui sont des cas particuliers d'un ensemble plus vaste, la  
1774 réglementation des marchés publics de l'État, dont nous  
1775 allons donner ci-dessous une brève description.  
1776

1777 \subsection{Réglementation des marchés publics}  
1778 Le dispositif juridique, réglementaire et comptable qui encadre les  
1779 actes contractuels de la puissance publique en France est très~[...]  
1780

1781 \subsubsection{Premier principe: séparation de l'ordonnateur et du comptable}  
1782 Le premier élément du dispositif est le principe de  
1783 séparation de l'ordonnateur et du comptable. Il a été  
1784 instauré en 1319 par l'ordonnance portant création de la~[...]  
1785

1786 \subsubsection{Second principe: contrôle \emph{a~priori}}  
1787 Le second élément du dispositif est le principe du contrôle  
1788 \emph{a~priori}. Lorsque le directeur de l'organisme public  
1789 de recherche pris ici comme exemple (l'ordonnateur) décide~[...]  
1790

1791 \subsubsection{Le Code des Marchés Publics}  
1792 Le troisième pilier de la commande publique est le Code des Marchés  
1793 Publics (CMP), qui régit tous les contrats, conclus par des organismes  
1794 publics ou des collectivités territoriales, dont le montant excède un~[...]  
1795

1796 \subsection{La pratique des marchés publics}  
1797 Lorsque l'administration française fait réaliser un système  
1798 informatique par un prestataire, elle est en position de maître  
1799 d'ouvrage\index{maîtrise d'ouvrage}. Elle rédige (ou fait rédiger) un  
1800 cahier des charges\index{cahier des charges} qui décrit les  
1801 spécifications du système à~réaliser. Ce cahier des charges constitue~[...]  
1802

1803 \subsection{Quels sont les services publics «~rentables~»?}  
1804 Pour parler comme les informaticiens, nous pouvons identifier un  
1805 « effet de bord », c'est-à-dire une conséquence non intentionnelle de  
1806 la réglementation des marchés publics: les administrations ne disposent  
1807 d'aucun moyen pour envisager la notion d'investissement. Le~[...]  
1808

1809 \section{Projet et cahier des charges}\index{cahier des charges}  
1810 Jean-Pierre~\textsc{Boutinet} nous guidera ici pour ce qui concerne  
1811 l'histoire de la notion de~[...]  
1812

1813 \subsection{La frontière entre conception et fabrication}  
1814 La vision classique de la conduite d'un projet informatique de gestion

1815 est la suivante: le maître d'ouvrage\index{maîtrise d'ouvrage}~[...]  
1816  
1817 \subsection{Bâtiment, mécanique, programmation}  
1818 Nous y reviendrons au chapitre~\ref{chap+travail}, mais nous savons  
1819 déjà que la mise en {\oe}uvre de l'informatique s'est beaucoup  
1820 inspirée des procédures de travail les plus élaborées du  
1821 \textsc{xx}\fup{e}~siècle~[...]  
1822  
1823 \chapter{Le travail informatique}  
1824 \minitoc  
1825  
1826 \section{De la nature de l'informatique}  
1827  
1828 \subsection{Premières croyances}\label{sub+premcroyances}  
1829 Les premiers ordinateurs, qui entrèrent en fonction à~l'extrême fin  
1830 des années 1940 et durant les années 1950, étaient consacrés à~des  
1831 travaux militaires ou scientifiques puisque, à~cette époque,  
1832 on pensait~[...]  
1833  
1834 \subsection{Comment l'informatique diffère des mathématiques}  
1835 J'aimerai à~l'occasion de cette analyse attirer l'attention du  
1836 lecteur sur une question qui est une source constante de malentendus  
1837 au sujet de la programmation.  
1838  
1839 \subsubsection{Les preuves de programme}  
1840 L'écriture de programmes informatiques obéit à~de tout autres principes.  
1841 Il convient de préciser cette affirmation pour la préserver~[...]  
1842  
1843 \section{Programmation dans le monde réel}  
1844 \subsection{La vraie nature de la programmation des ordinateurs}  
1845  
1846 Alors, comment s'écrivent les programmes informatiques? Et  
1847 d'ailleurs, qu'est-ce qu'une erreur\index{erreur} de programmation?  
1848 Ces questions sont liées et elles sont, bien sûr, au c{\oe}ur de notre  
1849 préoccupation.  
1850  
1851 \subsection{Méthodes de programmation}  
1852 Un processeur quelconque est caractérisé par le jeu des actions  
1853 élémentaires qu'il est capable d'effectuer. Ces actions élémentaires  
1854 sont appelées les \emph{primitives} du processeur, ou, si le  
1855 processeur est une machine, les «~instructions machine~». Un~[...]  
1856  
1857 \subsection{Méthodes de construction de programmes}  
1858 Nous avons décrit ci-dessus le processus élémentaire de la  
1859 programmation, celui qui consiste à~écrire les instructions ou les  
1860 expressions qui vont composer un programme.  
1861  
1862 \subsubsection{La programmation structurée}  
1863 Le premier courant de pensée qui associa la recherche d'une syntaxe  
1864 claire et expressive à~une organisation logique et commode des unités  
1865 de programme fut la \emph{programmation  
1866 structurée}\index{programmation!structurée} des années 1970, dont~[...]  
1867  
1868 \subsubsection{La programmation par objets}

```

1869 Après la programmation structurée vint un autre courant significatif:
1870 la programmation par objets\index{programmation!par objets}, inventée
1871 en Norvège à~la fin des années 1960 par l'équipe de~[...]
1872
1873 \subsubsection{Excès dans la pensée}
1874 Il y a eu beaucoup de verbiage autour de l'aptitude supposée du
1875 modèle~[...]
1876 \end{document}
1877 </mtc – liv>

```

### 4.23 The mtc-mem.tex document file

This example shows the use of the minitoc package in a memoir class document. First, the preamble:

<pre> 1878 (*mtc – mem) 1879 \documentclass% 1880   [oneside]{memoir} 1881 \ProvidesFile{mtc-mem.tex}% 1882   [2007/01/04] 1883 \usepackage{lipsum} </pre>	<pre> 1884 %% \usepackage{hyperref} 1885 %% \usepackage{memhfixc} 1886 \usepackage% 1887   [tight]{minitoc} 1888 %% \usepackage{mtcoff} 1889 \begin{document} </pre>
--	--

`\dominitoc` We use the starred form `\tableofcontents*` specific of the memoir class. Note that the the `\tableofcontents*` `\chapter` command has *two* optional arguments in the memoir class.

<pre> \chapter \minitoc 1890 \dominitoc \section 1891 \tableofcontents* 1892 1893 \chapter[oneA][oneB]{oneC} 1894 \minitoc 1895 \lipsum[1] \newpage \lipsum[2] 1896 \section{S-1-one} \lipsum[3] 1897 \section{S-1-two} \lipsum[4] </pre>	<pre> 1898 1899 \chapter[twoA][twoB]{twoC} 1900 \minitoc 1901 \lipsum[4] \newpage \lipsum[5] 1902 \section{S-2-one} \lipsum[6] 1903 \section{S-2-two} \lipsum[7] 1904 \end{document} 1905 &lt;/mtc – mem&gt; </pre>
---	---

### 4.24 The mtc-mm1.tex document file

This example shows the use of the minitoc package in a memoir class document and shows some of the necessary adaptations for fonts. First, the preamble:

```

1906 (*mtc – mm1)
1907 \documentclass[oneside]{memoir}
1908 \ProvidesFile{mtc-mm1.tex}%
1909   [2007/01/04]
1910 \usepackage{lipsum} % filling text

```

`\providecommand` We inhibit some font commands of the memoir class:

```
\cftsecfont
\cftsubsecfont 1911 \providecommand{\cftsecfont}{\empty}
\empty 1912 \providecommand{\cftsubsecfont}{\empty}
```

`\renewcommand` Then we redefine them:

```
\cftsecfont
\cftsubsecfont 1913 \renewcommand{\cftsecfont}{\normalsize\scshape}
1914 \renewcommand{\cftsubsecfont}{\normalsize\scshape}
```

`\mtcsetfont` We load the minitoc package and try to use some minitoc font commands, but without any success:

```
1915%% hyperref before minitoc, optional
1916%% \usepackage[linktocpage=true]{hyperref}\usepackage{memhfixc}
1917 \usepackage[tight]{minitoc}
1918 \mtcsetfont{minitoc}{section}{\normalsize\scshape} % <- no scshape
1919 \mtcsetfont{minitoc}{subsection}{\normalsize\scshape}% <- no scshape
```

`\providecommand` But if we use the font commands of the memoir class, it works!

```
\cftsecfont
\cftsubsecfont 1920 \providecommand{\cftsecfont}{\empty}
\empty 1921 \providecommand{\cftsubsecfont}{\empty}
\renewcommand 1922 \renewcommand{\cftsubsecfont}{\normalsize\rmfamily\scshape}
1923 \renewcommand{\cftsubsecfont}{\normalsize\rmfamily\scshape}
```

`\mtcsetttitlefont` But for mini-table titles (font and text), we can use the minitoc commands:

```
\mtcsetttitle
1924 \mtcsetttitlefont{minitoc}{\Large\scshape}
1925%% this is working beautifully ->
1926 \mtcsetttitle{minitoc}{Chapter Contents}
```

`\dominitoc` The document body:

```
\tableofcontents*
\chapter 1927 \begin{document}
\minitoc 1928 \dominitoc \tableofcontents*
\section 1929
1930 \chapter[OneA][OneB]{OneC}
1931 \minitoc
1932 \section{This section} \lipsum[1]
1933 \section{Second section} \lipsum[2]
1934 \section{Third section} \lipsum[3]
1935 \end{document}
1936 </mtc - mm1>
```



## 4.25 The `mtc-mu.tex` document file

`\mtcindent` This document shows the use of the `minitoc` package in a document, the `minitoc` being inserted  
`\dominitoc` in the text with the `wrapfig` package [18].  
`\tableofcontents`

```

1937 (*mtc - mu)
1938 \documentclass[12pt]{report}
1939 \ProvidesFile{mtc-mu.tex}%
1940 [2007/01/04]
1941 \usepackage[tight]{minitoc}
1942 \setlength{\mtcindent}{0pt}
1943 \usepackage{wrapfig}
1944 \newcommand{\LangSig}[1]{\textsc{[#1]}} % smallcaps
1945 \begin{document}
1946 \dominitoc \tableofcontents

```

`wrapfigure` A chapter, with its `minitoc` set in a `minipage`, included in a `wrapfigure` environment on the  
`minipage` half of the text width, with some vertical adjustments:  
`\chapter`  
`\linewidth` 1947 \chapter{Mulspren}\label{chapter+mulspren}  
`\vspace` 1948 \begin{wrapfigure}{r}{0.5\linewidth}  
`\baselineskip` 1949 \begin{minipage}{\linewidth}  
`\minitoc` 1950 \vspace{-2.\baselineskip}  
1951 \minitoc  
1952 \vspace{-1.\baselineskip}  
1953 \end{minipage}  
1954 \end{wrapfigure}

The remaining of the text:

```

1955 The previous chapter examined many end-user programming environments
1956 and found that most contain cognitive programming gulfs.
1957 These gulfs were often created when programming environments used
1958 multiple notations, and could manifest themselves in a variety of
1959 usability problems, ranging from users being unable to understand
1960 a program representation, to not wanting to execute their programs.
1961 Conversely, the previous chapter also found circumstances where multiple
1962 notations helped users understand programs.
1963 It concluded that there was a place for multiple notation programming
1964 environments, but developers had to be very careful to avoid creating
1965 programming gulfs.
1966 It concluded that there was a place for multiple notation programming
1967 environments, but developers had to be very careful to avoid creating
1968 programming gulfs.
1969
1970 This chapter introduces our programming environment, Mulspren.
1971 Mulspren was designed to avoid these gulfs and gain the potential
1972 benefits of multiple notations.
1973 Users program using two notations, one similar to English and one

```

```

1974 similar to conventional code.
1975 Changes in one notation are immediately reflected in the other notation,
1976 and users can move rapidly and seamlessly between the notations.
1977 This is programming using dual notations.
1978 When the program is executed, both notations are animated.
1979 Mulspren's language signature is \LangSig{Re/Wr/Wa + Re/Wr/Wa + Wa}.
1980
1981 Papers describing Mulspren have been published in~\cite{Wright02-2}
1982 and~\cite{Wright03-3}.
1983
1984 \section{section 1}
1985 \section{section 2 bla bla bla bla bla bla bla bla bla bla bla bla
1986 bla bla bla bla bla bla bla bla bla}
1987 \section{section 3}
1988 \section{section 4}
1989 \section{section 5 bla bla bla bla bla bla bla bla bla bla bla bla
1990 bla bla bla bla bla}

```

thebibliography I tried to find some articles of the net to fill the citations:

```

\bibitem
1991 \begin{thebibliography}{1}
1992 \bibitem{Wright02-2}
1993 Tim Wright and Andy Cockburn.
1994 \newblock Mulspren: a multiple language simulation programming
1995 environment.
1996 \newblock In {\em HCC '02: Proceedings of the IEEE 2002 Symposia
1997 on Human Centric Computing Languages and Environments (HCC'02)},
1998 page 101, Washington, DC, USA, 2002. IEEE Computer Society.
1999
2000 \bibitem{Wright03-3}
2001 Tim Wright and Andy Cockburn.
2002 \newblock Evaluation of two textual programming notations for children.
2003 \newblock In {\em AUIC '05: Proceedings of the Sixth Australasian
2004 conference on User interface}, pages 55--62, Darlinghurst, Australia,
2005 Australia, 2005.
2006 Australian Computer Society, Inc.
2007 \end{thebibliography}
2008 \end{document}
2009 </mtc - mu>

```

## 4.26 The mtc-nom.tex document file

This document<sup>6</sup> shows the interaction of the minitoc package with the nomencl package [456], when this package uses its option intoc.

```

2010 <*mtc - nom>
2011 \documentclass[oneside]{book}

```

<sup>6</sup> It is derived from the example given in the documentation of nomencl.

```
2012 \ProvidesFile{mtc-nom.tex}%
2013 [2007/04/02]
```

`\makenomenclature` We load the packages and prepare the nomenclature:

```
2014 \usepackage[intoc]{nomencl}
2015 \usepackage[tight]{minitoc}
2016 \makenomenclature
2017 \begin{document}
```

`\dominitoc` We prepare the minitocs and the table of contents:  
`\tableofcontents`

```
2018 \dominitoc
2019 \tableofcontents
```

`\chapter` A first chapter, with its minitoc, a section and some entries for the nomenclature:

```
\minitoc
\section 2020 \chapter{Angels}
\nomenclature 2021 \minitoc
2022 \section{Main equations}
2023 \begin{equation}
2024 a = \frac{N}{A}
2025 \end{equation}%
2026 \nomenclature{a}{The number of angels per unit area}%
2027 \nomenclature{N}{The number of angels per needle point}%
2028 \nomenclature{A}{The area of the needle point}%
2029 The equation  $\sigma = m a$ 
2030 \nomenclature{\sigma}{The total mass of angels per unit area}%
2031 \nomenclature{m}{The mass of one angel}
2032 follows easily.
```

`\printnomenclature` We print the nomenclature; but that adds a chapter entry in the TOC because of the `intoc`  
`\mtcfixnomenclature` option of the `nomencl`, hence we add a correction with `\mtcfixnomenclature` (try to remove the correction and look at the result: the next minitocs are wrong):

```
2033 \printnomenclature \mtcfixnomenclature
```

`\chapter` A second chapter, with its minitoc, a section, and an entry in the nomenclature. This entry will  
`\minitoc` be present in the nomenclature printed above.

```
\section
\nomenclature 2034 \chapter{Demons}
2035 \minitoc
2036 \section{False equations}
2037 \begin{equation} i = \sqrt{-1} \end{equation}
2038 \nomenclature{i}{The imaginary unit}%
2039 \end{document}
2040 </mtc-nom>
```

## 4.27 The `mtc-ocf.tex` document file

This document shows the use of the `open` and `close` features of the `minitoc` package to prepare a `minitoc` on three columns. The old package `fullpage` [144] is used to have a wide text area.

```

2041 (*mtc - ocf)
2042 \documentclass[oneside]{book}
2043 \ProvidesFile{mtc-ocf.tex}%
2044 [2007/04/02]
2045 \usepackage{multicol} % to make multi-columns.
2046 \usepackage[french]{babel}
2047 \usepackage[latin1]{inputenc}
2048 \usepackage[OT1,TS1,T1]{fontenc}
2049 \usepackage{fullpage}
2050 % to allow a page breaks before a section
2051 \let\osection\section \def\section{\penalty-1\relax\osection}
2052 %
2053 \usepackage[french,tight]{minitoc}

```

`\mtcsetfeature multicols` The “open” feature for `minitocs` opens a `multicols` environment, with 3 columns:

```
2054 \mtcsetfeature{minitoc}{open}{\vspace{-1ex}\begin{multicols}{3}}
```

`\mtcsetfeature multicols` The “close” feature for `minitocs` close the `multicols` environment:

```
2055 \mtcsetfeature{minitoc}{close}{\end{multicols}\vspace{-1.5ex}}
```

As the `multicols` environment adds some vertical spacing before and after it, we added some corrections.

`\mtcsetfeature \raggedcolumns \flushcolumns` As the number of sections is not a multiple of three (or some entries are long), we cannot always balance the columns nicely, so we use `ragged columns`, using the “before” and “after” features:

```

2056 \mtcsetfeature{minitoc}{before}{\raggedcolumns}
2057 \mtcsetfeature{minitoc}{after}{\flushcolumns}

```

`\dominitoc \tableofcontents` And the body of the document, a chapter with many sections, listed in a `minitoc`:

<code>\chapter</code>	2058 <code>\begin{document}</code>	2065 <code>\section{Bravo}</code>
<code>\minitoc</code>	2059 <code>\dominitoc</code>	2066 <code>\section{Charlie}</code>
<code>\section</code>	2060 <code>\tableofcontents</code>	2067 <code>\section{Delta}</code>
	2061 <code>\chapter{Premier chapitre}</code>	2068 <code>\section{Echo}</code>
	2062 <code>\minitoc</code>	2069 <code>\section{Fox-Trot}</code>
	2063 <code>% A lot of sections</code>	2070 <code>\section{Golf}</code>
	2064 <code>\section{Alfa}</code>	2071 <code>\section{Hotel}</code>

```

2072 \section{India}
2073 \section{Juliet}
2074 \section{Kilo}
2075 \section{Lima}
2076 \section{Mike}
2077 \section{November}
2078 \section{Oscar}
2079 \section{Papa}
2080 \section{Quebec}
2081 \section{Romeo}

2082 \section{Sierra}
2083 \section{Tango}
2084 \section{Uniform}
2085 \section{Victor}
2086 \section{Whiskey}
2087 \section{X-Ray}
2088 \section{Yankee}
2089 \section{Zulu}
2090 \end{document}
2091 \</mtc – ocf>

```

## 4.28 The mtc-ofs.tex document file

This document shows the use of the `\mtcsetoffset` command to shift a minitoc to the left, trying to put it along the left margin of the text. The `open` and `close` features of the `minitoc` package are also used to prepare the minitoc on three columns. The old package `fullpage` [144] is used to have a wide text area.

```

2092 \<{*mtc – ofs}
2093 \documentclass[a4paper]{book}
2094 \ProvidesFile{mtc-ofs.tex}%
2095 [2007/04/17]
2096 \usepackage{lipsum}
2097 \usepackage{multicol}
2098 \usepackage{fullpage}
2099 %\usepackage[a4paper]{geometry}
2100 \usepackage[tight]{minitoc}

```

```

\setlength We remove the minitoc indentation and set up the open and close features:
\mtcindent

```

```

\mtcsetfeature 2101 \setlength{\mtcindent}{0pt}
\raggedcolumns 2102 \mtcsetfeature{minitoc}{open}{\kern1sp\vspace*{-.1ex}\begin{multicols}{4}[\kern-2.5ex]}
\flushcolumns 2103 \mtcsetfeature{minitoc}{close}{\end{multicols}\kern-2.ex}
multicols 2104 \mtcsetfeature{minitoc}{before}{\raggedcolumns}
2105 \mtcsetfeature{minitoc}{after}{\flushcolumns}

```

```

\dominitoc We begin the document with a chapter and its minitoc:
\faketableofcontents

```

```

\chapter 2106 \begin{document}
\minitoc 2107 \dominitoc \faketableofcontents
2108 \chapter{Introduction}
2109 \minitoc

```

```

\mtcsetoffset As the minitoc is not aligned on the left margin of the text, we set a negative offset and print
\mtcskip again the minitoc:
\minitoc

```

```
2110 \mtcsetoffset{minitoc}{-1.75em}
2111 \mtcskip \minitoc
```

`\mtcsetoffset` But then the minitoc does not use the full width of the text; it would be better to modify both  
`\setlength` the offset and the indentation, each by the half of the total correction:

```
\mtcindent
\mtcskip 2112 \mtcsetoffset{minitoc}{-0.875em}
\minitoc 2113 \setlength{\mtcindent}{-0.875em}
2114 \mtcskip \minitoc
```

`\section` Then a lot of sections, with some text:

```
2115 \section{Alfa} \lipsum[\arabic{section}]
2116 \section{Bravo} \lipsum[\arabic{section}]
2117 \section{Charlie} \lipsum[\arabic{section}]
2118 \section{Delta} \lipsum[\arabic{section}]
2119 \section{Echo} \lipsum[\arabic{section}]
2120 \section{Fox-Trot} \lipsum[\arabic{section}]
2121 \section{Golf} \lipsum[\arabic{section}]
2122 \section{Hotel} \lipsum[\arabic{section}]
2123 \section{India} \lipsum[\arabic{section}]
2124 \section{Juliet} \lipsum[\arabic{section}]
2125 \section{Kilo} \lipsum[\arabic{section}]
2126 \section{Lima} \lipsum[\arabic{section}]
2127 \section{Mike} \lipsum[\arabic{section}]
2128 \section{November} \lipsum[\arabic{section}]
2129 \section{Oscar} \lipsum[\arabic{section}]
2130 \section{Papa} \lipsum[\arabic{section}]
2131 \section{Quebec} \lipsum[\arabic{section}]
2132 \section{Romeo} \lipsum[\arabic{section}]
2133 \section{Sierra} \lipsum[\arabic{section}]
2134 \section{Tango} \lipsum[\arabic{section}]
2135 \section{Uniform} \lipsum[\arabic{section}]
2136 \section{Victor} \lipsum[\arabic{section}]
2137 \section{Whiskey} \lipsum[\arabic{section}]
2138 \section{X-Ray} \lipsum[\arabic{section}]
2139 \section{Yankee} \lipsum[\arabic{section}]
2140 \section{Zulu} \lipsum[\arabic{section}]
2141 \end{document}
2142 </mtc - ofs>
```

**Note:** if you add a sub-section in this example, the corresponding entry in the minitoc may stick out if it appears in the last column, and the offset and the indentation should then be corrected again.



## 4.29 The `mtc-sbf.tex` document file

`\l@subfigure` This document shows the use of the `minitoc` package with a document containing subfigures  
`\@dottedxxxline` (here with the `subfigure` package [130]). We show how to use `minilofs` and to adjust their  
`\ext@subfigure` depth.

The preamble loads the `subfigure` package and redefines the format of subfigure entries in the list of figures:

```
2143 (*mtc - sbf)
2144 \documentclass[12pt]{report}
2145 \ProvidesFile{mtc-sbf.tex}%
2146 [2007/01/04]
2147 \usepackage{subfigure}
2148 \makeatletter
2149 \renewcommand{\l@subfigure}{\@dottedxxxline{\ext@subfigure}{2}{3.9em}{3.3em}}
2150 \makeatother
```

We load the `varioref` [326] package (to have nice cross-references) and the `minitoc` package:

```
2151 \usepackage{varioref}
2152 \usepackage[tight]{minitoc}
```

`\newcommand` We define some features for the layout of the subfigures, then the depth of the list of figures:  
`\goodap`

```
\subfigtopskip 2153 \newcommand{\goodap}{%
\subfigbottomskip 2154 \hspace{\subfigtopskip}%
\setcounter 2155 \hspace{\subfigbottomskip}}
2156 \setcounter{lofdepth}{2}
2157 \begin{document}
```

`\mtcsetdepth` We define the depth of the mini-lists of figures, then some fonts:  
`\mtcsetfont`

```
2158 \mtcsetdepth{minilof}{2}
2159 \mtcsetfont{minitoc}{section}{\small\rmfamily\upshape\bfseries}
2160 \mtcsetfont{partlof}{subfigure}{\small\rmfamily\slshape\bfseries}
2161 \mtcsetfont{partlof}{figure}{\small\rmfamily\upshape\bfseries}
2162 \mtcsetfont{minilof}{subfigure}{\small\rmfamily\slshape\bfseries}
2163 \mtcsetfont{minilof}{figure}{\small\rmfamily\upshape\bfseries}
2164 %% no tables in this document
2165 %% \mtcsetfont{partlot}{subtable}{\small\rmfamily\slshape\bfseries}
2166 %% \mtcsetfont{partlot}{table}{\small\rmfamily\upshape\bfseries}
2167 %% \mtcsetfont{minilot}{subtable}{\small\rmfamily\slshape\bfseries}
2168 %% \mtcsetfont{minilot}{table}{\small\rmfamily\upshape\bfseries}
```

```

\dominilof We prepare the minilofs, the table of contents and the list of figures:
\tableofcontents
\listoffigures 2169 \dominilof \listoffigures \tableofcontents

```

```

\chapter A chapter, with is minilof, twice but with different depths:
\minilof
\mtcskip 2170 \chapter{First Chapter}
\mtcsetdepth 2171 \minilof \mtcskip
2172 \mtcsetdepth{minilof}{1} \minilof

```

A figure containing three subfigures and their captions:

```

2173 \begin{figure}
2174 \centering
2175   \fbox{%
2176     \begin{minipage}{3.5in}%
2177       \raggedright
2178       \begin{center}
2179         \subfigure[First]{%
2180           \fbox{\hbox to 20mm{\vbox to 15mm{\vfil\null}\hfil}}}%
2181           \hspace{\subfigtopskip}\hspace{\subfigbottomskip}%
2182         \subfigure[Second Figure]{%
2183           \fbox{\hbox to 20mm{\vbox to 10mm{\vfil\null}\hfil}}}\
2184         \subfigure[Third]{\label{3figs-c}%
2185           \fbox{\hbox to 20mm{\vbox to 10mm{\vfil\null}\hfil}}}\
2186         \caption{Three subfigures.}\label{3figs}%
2187       \end{center}
2188       \vspace{4pt}%
2189       This figure contains two top ‘subfigures’ and
2190       Figure~\ref{3figs-c}.
2191     \end{minipage}}
2192 \end{figure}
2193 Figure~\vref{3figs} contains two top ‘‘subfigures’’ and
2194 Figure~\vref{3figs-c}.
2195 \end{document}
2196 </mtc - sbf>

```

### 4.30 The mtc-scr.tex document file

`\setcounter` This document shows the use of the minitoc package with a KOMA-Script document class [343, 344, 399], `screpr`. Some precautions are needed, because these classes have specific interfaces with the TOC (class options and commands).

```

2197 <*mtc - scr>
2198 \documentclass[12pt,halfparskip,liststotoc,bibtotoc]{screpr}
2199 \ProvidesFile{mtc-scr.tex}%
2200 [2007/01/04]
2201 \setcounter{secnumdepth}{4}

```



```
2202 \setcounter{tocdepth}{4}
2203 \usepackage[latin1]{inputenc}
2204 \usepackage{longtable}
```

The hyperref package, if used, must be loaded *before* minitoc:

```
2205 \usepackage{hyperref}
```

`\pagenumbering` With a KOMA-Script class [343, 344, 399], use the `k-tight` package option in place of  
`\dominitoc` `tight`; as it is a document in german, use also a language package option:  
`\tableofcontents`

```
2206 \usepackage[k-tight,germanb]{minitoc}
2207 \usepackage[germanb]{babel}
2208 \begin{document}
2209 \pagenumbering{Roman} % page number in Roman, reset to 1 (I)
2210 \dominitoc \tableofcontents
```

`\listoftables` In this document class, with the `liststotoc` class option, the `\listoftables` macro adds a  
`\mtcaddchapter` chapter entry in the TOC, so we must add `\mtcaddchapter` after `\listoftables`:

```
2211 \listoftables \mtcaddchapter
```

`\pagenumbering` With the `bibtotoc` class option, it is necessary to add a `\adjustmtc` command after  
`\chapter` `\bibliography`. This problem is similar to the one of compatibility with the `tocbind`  
`\setcounter` package.

```
\appendix
\minitoc 2212 \clearpage
\section 2213 \pagenumbering{arabic} % page number in arabic digits
2214 \setcounter{page}{1} % forced to 1
2215
2216 \chapter{Test 1}\label{cha:test-1}
2217
2218 Text.
2219
2220 \section{Tabelle}\label{sec:tabelle}
2221
2222 \begin{table}
2223 \centering
2224 \begin{longtable}[l]{ll}
2225 \underline{Ausbildungsbetrieb} \hspace{10mm} & Kommanditgesellschaft
2226 \\
2227 \underline{Ausbildender} & Hammer \\
2228 Ausbildungsstätte & XXXXX Ort
2229 \end{longtable}
2230 \caption{Ausbildungsbetrieb}
2231 \end{table}
2232
2233 Text.
2234
```

```

2235 \appendix
2236 \chapter{Dokumente}
2237 \minitoc % Aufruf Minitoc
2238
2239 \section{Anhang}\label{sec:anhang}
2240 Text.\
2241 Hier sollte nun der Anhang sein, davor das Verzeichnis dafür.
2242 \end{document}
2243 </mtc – scr>

```

### 4.31 The mtc-syn.tex document file

This document shows the use of the minitoc package when the table of contents is not at the beginning of the document, but is preceded by some starred chapters.

`\dominitoc` We have the preamble, then we invoke `\dominitoc` to prepare the minitocs:

```

2244 (*mtc – syn)
2245 \documentclass[a4paper,twoside,12pt]{book}
2246 \ProvidesFile{mtc-syn.tex}%
2247 [2007/01/04]
2248 \usepackage{minitoc}
2249 \begin{document}
2250 \dominitoc

```

`\chapter*` Some starred chapters, with calls to `\mtcaddchapter` to synchronize. The optional argument `\mtcaddchapter` is used when an entry in the ToC is wanted:

```

2251 \chapter*{ } % Dedication chapter, no title
2252 \mtcaddchapter % Added for a starred chapter
2253 % without entry in the ToC
2254 Dedication goes here
2255
2256 \chapter*{Abstract}
2257 \mtcaddchapter[Abstract] % Added for a starred chapter
2258 % with an entry in the ToC
2259 Abstract goes here
2260
2261 \chapter*{Declaration}
2262 \mtcaddchapter[Declaration] % Added for a starred chapter
2263 % with an entry in the ToC
2264 Declaration goes here

```

`\tableofcontents` The table of contents comes here. Looking at the `document.log` file shows that the minitoc files inserted after here are from one chapter to far: we add a correction.

```

2265 \tableofcontents \decrementmtc % Synchro added (look at the .log file)

```

<pre> \chapter The following chapters are normal (unstarred): \minitoc \section 2266 \chapter{Chapter One} 2267 \minitoc 2268 \section{Section 1} Some text. 2269 \section{Section 2} Some text. 2270 2271 \chapter{Chapter Two} 2272 \minitoc </pre>	<pre> 2273 \section{Another Section 1} 2274 Some more text. 2275 \section{Another Section 2} 2276 Some more text. 2277 \end{document} 2278 &lt;/mtc - syn&gt; </pre>
---	--

### 4.32 The mtc-tbi.tex document file

This document shows the use of the minitoc package with a document using the tocbibind package [472].

<pre> 2279 &lt;*mtc - tbi&gt; 2280 \documentclass[a4paper]{report} </pre>	<pre> 2281 \ProvidesFile{mtc-tbi.tex}% 2282 [2007/01/04] </pre>
---	---

<pre> \dominitoc We dont want an entry for the TOC in the TOC: option nottoc for the tocbibind package: \tableofcontents </pre>	<pre> 2283 \usepackage[nottoc]{tocbibind} 2284 \usepackage[tight]{minitoc} </pre>
---	---

<pre> 2283 \usepackage[nottoc]{tocbibind} 2284 \usepackage[tight]{minitoc} </pre>	<pre> 2285 \begin{document} 2286 \dominitoc \tableofcontents </pre>
---	---

<pre> \mtcaddchapter As there is no entry for the TOC in the TOC, no correction is necessary; we comment out the usual correction<sup>7</sup>: </pre>	<pre> 2287 %% tocbibind compatibility 2288 %% not used if nottoc option : </pre>
---	--

<pre> 2287 %% tocbibind compatibility 2288 %% not used if nottoc option : </pre>	<pre> 2289 %% \mtcaddchapter[] </pre>
--	---------------------------------------

<pre> \chapter* A starred chapter with an entry in the TOC; we add it; \mtcaddchapter </pre>	<pre> 2290 \chapter*{Introduction} </pre>
--	---

<pre> 2290 \chapter*{Introduction} </pre>	<pre> 2291 \mtcaddchapter[Introduction] </pre>
---	--

<pre> \chapter Some normal chapters: \minitoc \section 2292 \chapter{Title of chapter~1} 2293 \minitoc 2294 \section{as1} \section{as2} 2295 \chapter{Title of chapter~2} 2296 \minitoc 2297 \section{bs1} \section{bs2} </pre>	<pre> 2298 \chapter{Title of chapter~3} 2299 \minitoc 2300 \section{cs1} \section{cs2} 2301 \chapter{Title of chapter~4} 2302 \minitoc 2303 \section{ds1} \section{ds2} </pre>
---	--

<sup>7</sup> It is recommended to keep this comment; you could change your mind.

`\chapter*` Another starred chapter, with an entry in the TOC:  
`\mtcaddchapter`

```
2304 \chapter*{Conclusion} | 2305 \mtcaddchapter[Conclusion]
```

`\chapter*` Yet another starred chapter, with an entry in the TOC, but with starred sections, also listed in the TOC:

```
\mtcaddchapter
\minitoc
\section* 2306 \chapter*{Appendices}
\addcontentsline 2307 \mtcaddchapter[Appendices]
2308 \minitoc
2309 \section*{first appendix}
2310 \addcontentsline{toc}{section}%
2311 {first appendix}
2312 \section*{second appendix}
2313 \addcontentsline{toc}{section}%
2314 {second appendix}
```

`\listoffigures` The list of figures has an entry in the TOC (via the `tocbibind` package), so a correction must be applied:

```
\mtcaddchapter
2315 %% tocbibind compatibility | 2316 \listoffigures \mtcaddchapter
```

`thebibliography` The `tocbibind` package adds an entry in the TOC for the bibliography, so we must add the recommended correction:

```
\bibitem
\adjustmtc
2317 \begin{thebibliography}{3}
2318 \bibitem {s1}{title ...}
2319 \end{thebibliography}
2320 %% tocbibind compatibility
2321 \adjustmtc
2322 \end{document}
2323 </mtc - tbi>
```

### 4.33 The `mtc-tlc.tex` document file

This document shows the use of the `minitoc` package in a document of the `article` class. It is the example of [330, page 58], modernized.

```
2324 (*mtc - tlc) | 2326 \ProvidesFile{mtc-tlc.tex}%
2325 \documentclass{article} | 2327 [2007/01/04]
```

`\setlength` Dimensions of the text on the page:

```
\textwidth
\textheight 2328 \setlength{\textwidth}%
2329 {124.20126pt} | 2330 \setlength{\textheight}%
2331 {19\baselineskip}
```

```

\setlength We load the minitoc package and set some parameters (indentation, base font and depth) for
\stcindent the secttocs:
\mtcsetfont
\mtcsetdepth 2332 \usepackage{minitoc}
                2333 \setlength{\stcindent}{0pt}
                2334 \mtcsetfont{secttoc}{*}%
                2335 {\footnotesize}
                2336 \mtcsetdepth{secttoc}{3}

```

```

\dosecttoc We prepare the secttocs, without title, and the table of contents which is not printed:
\fakeableofcontents
\section 2337 \begin{document}
\secttoc 2338 \dosecttoc[e] \fakeableofcontents
\subsection 2339
\subsubsection 2340 \section{Afghanistan} \secttoc
                2341 \subsection{Geography}
                2342 \subsubsection{Total area}
                2343 647,500 km2
                2344 \subsubsection{Land area}
                2345 647,500 km2
                2346 \subsubsection{History} \ldots
                2347
                2348 \section{Albania} \secttoc
                2349 \subsection{Geography}
                2350 \subsubsection{Total area}
                2351 28,750 km2
                2352 \subsubsection{Land area}
                2353 27,400 km2
                2354 \subsubsection{History} \ldots
                2355 \end{document}
                2356 </mtc - tlc>

```

### 4.34 The mtc-tlo.tex document file

The mtc-tlo.tex document file is described in section 2.46 on page 82.

### 4.35 The mtc-tsf.tex document file

This document<sup>8</sup> shows the use of the minitoc package with a document containing subfigures (here with the subfig package [132]). We show how to use minilofs and to adjust their depth. The old package fullpage [144] is used to have a wide text area.

The preamble loads the subfig package and redefines the format of subfigure entries in the list of figures:

```

2357 (*mtc - tsf)
2358 \documentclass{report}
2359 \ProvidesFile{mtc-tsf.tex}[2008/04/03]%
2360 \usepackage{fullpage}
2361 \usepackage[config=altsf]{subfig}
2362 \usepackage[tight]{minitoc}

```

<sup>8</sup> It is derived from one of the examples distributed with the subfig package [132].

This is utility code to make graduated rules and a box around a figure.

```

2363 \newdimen\testtemp
2364 \newcommand{\ru}[1]{%
2365   \testtemp #1%
2366   \advance\testtemp .5pt \divide\testtemp 2%
2367   \hbox to \testtemp{\leaders\hbox to 1mm{%
2368     \vrule height1mm depth0pt width.25pt\hfil}\hfil}%
2369   \hbox to 0pt{\hss\vrule height3mm depth0pt width.25pt\hss}%
2370   \hbox to \testtemp{\leaders\hbox to 1mm{%
2371     \hfil\vrule height1mm depth0pt width.25pt}\hfil}}
2372 %%
2373 \fboxsep=-\fboxrule
2374 \newcommand{\figbox}[1]{%
2375   \fbox{\vbox to 1in{%
2376     \vfil\hbox to 2in{\parbox{2in}{\centering #1}}\vfil
2377     \vbox to 0pt{\vss\hbox to 2in{\hfil\ru{1.1in}\hfil}}}}}
```

```

\setcounter The body of the document. We set the depth of the list of figures and prepare the minilofs and
\dominilof the list of figures:
\listoffigures
```

```

2378 \begin{document}
2379 \setcounter{lofdepth}{2} \dominilof \listoffigures
2380 \newpage
```

```

\chapter A chapter containing a figure with subfigures. We print its minilof twice, with different depths:
\minilof
\mtcskip 2381 \chapter{Reference Test}
\mtcsetdepth 2382 \minilof \mtcskip
```

```

2383 \mtcsetdepth{minilof}{1}
2384 \minilof
2385
2386 \begin{figure}[ht]%
2387   \centering
2388   \subfigure{%
2389     \label{fig+A}\figbox{SUBFIGURE ONE:\\(no opt)}}
2390   \quad
2391   \subfigure[][%
2392     \label{fig+B}\figbox{SUBFIGURE TWO:\\(empty opt)}}\\
2393
2394   \subfigure[Subfigure Three.]{%
2395     \label{fig+C}\figbox{SUBFIGURE THREE:\\(opt)}}
2396   \quad
2397   \subfigure[][Subfigure Four.]{%
2398     \label{fig+D}\figbox{SUBFIGURE FOUR:\\(empty opt and opt)}}
2399   \quad
2400   \subfigure[][][%
2401     \label{fig+E}\figbox{SUBFIGURE FIVE:\\(both empty opt)}}\\
2402
2403   \subfigure[The Sixth Subfigure.][Subfigure Six.]{%
2404     \label{fig+F}\figbox{SUBFIGURE SIX:\\(both opt)}}
```

```

2405 \quad
2406 \subfigure[The Seventh Subfigure][]{%
2407 \label{fig+G}\figbox{SUBFIGURE SEVEN:\\(opt and empty opt)}}
2408
2409 \caption{Optional argument test.}%
2410 \label{fig+main}%
2411 \end{figure}
2412
2413 The figure~\ref{fig+main} on page~\pageref{fig+main} is composed
2414 of the seven subfigures~\subref{fig+A} (aka: \ref{fig+A}),
2415 \subref{fig+B} (aka: \ref{fig+B}), \subref{fig+C} (aka: \ref{fig+C}),
2416 \subref{fig+D} (aka: \ref{fig+D}), \subref{fig+E} (aka: \ref{fig+E}),
2417 \subref{fig+F} (aka: \ref{fig+F}), and \subref{fig+G} (aka: \ref{fig+G}).
2418
2419 \section{Centering Test}
2420 Note that figures~\ref{fig+B}, \ref{fig+E} and \ref{fig+G} are centered.
2421 This means that \verb|\subfigcapskip| has been set to zero and is not
2422 offsetting the simple label to the left. Also the remaining captioned
2423 subfigures (figures~\ref{fig+C}, \ref{fig+D}, and \ref{fig+F}) should
2424 have centered labels.
2425 \end{document}
2426 </mtc - tsf>

```

### 4.36 The mtc-vti.tex document file

The `mtc-vti.tex` example shows how to change the sectionnal titles when they appear in a mini-table: a section title (or a chapter title) can have variants in a parttoc or in a minitoc (similar effects are possible with figure ou table titles). Such entries are said “polymorphic” (section 1.4.13 on page 46). First, the preamble of the document, with utility packages:

```

2427 (*mtc - vti)
2428 \documentclass[10pt,a4paper,oneside]{book}
2429 \ProvidesFile{mtc-vti.tex}[2008/06/26]%
2430 \usepackage{lipsum}
2431 \usepackage{txfonts}
2432 \usepackage[tight]{minitoc}
2433 \begin{document}

```

`\parttoc` For the demonstration, we will use a parttoc and a minitoc, so we must prepare them:  
`\minitoc`

```

2434 \dominitoc
2435 \doparttoc

```

`\ifinparttoc` We will use a multi-form title for the first section: a form to appear in the parttoc (“Alfa in parttoc”), a form to appear in the minitoc of the chapter (“Alfa in minitoc”), a form to appear elsewhere (“Alfa out subtoc”), and a form as title at the beginning of the section (“Alfa

the first section”). So we define a command `\alfati` using the flags `\ifinparttoc` and `\ifinminitoc` to select which title is used in each of its instances.

```
2436 \newcommand\alfati{\ifinparttoc Alfa in parttoc
2437             \else\ifinminitoc Alfa in minitoc
2438             \else Alfa out subtoc
2439             \fi
2440             \fi}
```

`\ifinparttoc` But we can define a more general macro, `\varsecti`, with three arguments for the three variants of a section title<sup>9</sup>:  
`\ifinminitoc`  
`\ifinsecttoc`

```
\DeclareRobustCommand 2441 \DeclareRobustCommand{\varsecti}[3]%
2442             {\ifinparttoc{#1}\relax
2443             \else\ifinminitoc{#2}\relax
2444             \else{#3}\relax
2445             \fi
2446             \fi}
```

Then the document with a table of contents, a part with its parttoc and a chapter with its minitoc. And an other chapter. You can verify that the entry for the “Alfa” section varies in the main toc, the parttoc, the minitoc and the effective title of the section. Note that the variable title (here `\alfati`) should be defined *before* any use, like in the main toc or any minitable.

`\protect`

```
2447 \tableofcontents
2448 \part{Part~A}
2449 \parttoc
2450
2451 \chapter{One}
2452 \minitoc
2453 \section[\protect\alfati]{Alfa the first section}
2454 \lipsum[1]
```

We can use the more general macro `\varsecti`<sup>10</sup>, with its three arguments given when the section begins; but that macro must be *protected* (or look at the `makerobust` [350] package by Heiko OBERDIEK), or declared “robust” by `\DeclareRobustCommand` as above:

```
2455 \section[\varsecti{Bravo in parttoc}%
2456             {Bravo in minitoc}%
2457             {Bravo out of subtoc}}% % in maintoc and headers
2458             {Bravo the second section} % local title
2459 \lipsum[2]
```

<sup>9</sup> You will eventually need to define similar macros for other sectioning commands or for figures or table titles; proceed with care from this model.

<sup>10</sup>This macro is not part of the minitoc package, it is just an example.



`\mtcpolymtoc` But is is even easier to use a “polymorphic” entry in the optionnal argument <sup>11</sup>:

```
2460 \chapter{Two}
2461 \minitoc
2462 \section[\mtcpolymtoc%
2463         {Charlie in parttoc}%
2464         {Charlie in minitoc}%
2465         {Charlie in secttoc}% % <- see/voir note
2466         {Charlie out subtoc}]%
2467         {Charlie}
2468 \lipsum[3]
2469 \end{document}
2470 </mtc - vti>
```

---

<sup>11</sup>They are no secttocs in a book-class document, but all the four arguments of `\mtcpolymtoc` must be specified, even empty!

# Chapter 5

## Messages

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## 5.1 Introduction

This chapter lists and comments the messages given by the minitoc package, and is associates, mtcoff and mtcpatchmem<sup>1</sup>. The table 5.1 on the following page lists all messages; in this table, you can click on a message identifier to find quickly its meaning.

- The first line of each message contains usually the name of the package and an unique identifier (this identifier may be useful to search in this chapter of the documentation,

---

<sup>1</sup> The texts of the messages given in this chapter may slightly differ from the real text, because some messages contain variable elements and the layout may vary.

Table 5.1: Message identifiers (click on a message identifier to see its meaning).

E0001	E0002	E0003	E0004	E0005	E0006	E0007	E0008	E0009	E0010
E0011	E0012	E0013	E0014	E0015	E0016	E0017	E0018	E0019	E0020
E0021	E0022	E0023	E0024	E0025	E0026	E0027	E0028	E0029	E0030
E0031	E0032	E0033	E0034	E0035	E0036	E0037	E0038	E0039	E0040
E0041	E0042	E0043							
F0001	F0002	F0003	F0004	F0005	F0006	F0007	F0008	F0009	
I0000									
I0001	I0002	I0003	I0004	I0005	I0006	I0007	I0008	I0009	I0010
I0011	I0012	I0013	I0014	I0015	I0016	I0017	I0018	I0019	I0020
I0021	I0022	I0023	I0024	I0025	I0026	I0027	I0028	I0029	I0030
I0031	I0032	I0033	I0034	I0035	I0036	I0037	I0038	I0039	I0040
I0041	I0042	I0043	I0044	I0045	I0046	I0047	I0048	I0049	I0050
I0051	I0052	I0053							
M0001									
W0001	W0002	W0003	W0004	W0005	W0006	W0007	W0008	W0009	W0010
W0011	W0012	W0013	W0014	W0015	W0016	W0017	W0018	W0019	W0020
W0021	W0022	W0023	W0024	W0025	W0026	W0027	W0028	W0029	W0030
W0031	W0032	W0033	W0034	W0035	W0036	W0037	W0038	W0039	W0040
W0041	W0042	W0043	W0044	W0045	W0046	W0047	W0048	W0049	W0050
W0051	W0052	W0053	W0054	W0055	W0056	W0057	W0058	W0059	W0060
W0061	W0062	W0063	W0064	W0065	W0066	W0067	W0068	W0069	W0070
W0071	W0072	W0073	W0074	W0075	W0076	W0077	W0078	W0079	W0080
W0081	W0082	W0083	W0084	W0085	W0086	W0087	W0088	W0089	W0090
W0091	W0092	W0093	W0094	W0095	W0096	W0097	W0098	W0099	

but has no special meaning, except the leading letter: I for informative, W for warning, and E for error).

- Informative messages are written only in the *document.log* file; the prefix is F for the warning messages from the *mtcoff* package and M for the informative message from the *mtcpatchmem* package.
- Warning messages are shown on the screen (but often too quickly to be seen, because normally  $\text{\LaTeX}$  does not stop for warnings) and written in the *document.log* file.
- Error messages are shown on the screen and written in the *document.log* file, but  $\text{\LaTeX}$  stops, so you can ask for help by typing “h”.
- In this chapter, some words in the messages are typeset in italic characters; they represent the variable parts of the message:
  - *ARG1* The first argument of the command.
  - *ARG2* The second argument of the command.

- *ARG3* The third argument of the command.
- *CLASS* The name of the class of your document.
- *COMMAND* The name of the command.
- *COUNTER* The name of a  $\LaTeX$  counter.
- *document* The name of your document, without its `.tex` extension.
- *EXTENSION* The extension part of the name of a file.
- *FILE* The name of a file (often a minitoc auxiliary file, the *document.toc* file, the *document.lof* file, or the *document.lot* file).
- *INTERNAL\_NAME* The name of an internal macro redefined by a `\mtcset...` command.
- *LANGUAGE* The name of the language (for `\mtcselectlanguage`).
- *LINE* The number of the line in the source file.
- *macro* The name of a minitoc font command redefined by `\mtcsetfont`.
- *NEW\_TITLE* The new value of a title redefined by `\mtcsettitle`.
- *NUMBER* The number of mini-tables of the given type in your document (when you are using short extensions and that number is greater than 99).
- *OFFSET* The new value of an offset redefined by `\mtcsetoffset`.
- *PREPARATION* The name of a minitoc preparation command.
- *SEQUENCE* A sequence of commands used to redefine an internal macro via a `\mtcset...` command.
- *STRING* A string of characters, often part of a command name.
- *VALUE* The new value of a counter.

The messages are produced using macros from the `mtcmess` package, described in chapter 11 on page 466.

## 5.2 Messages from the minitoc package

### 5.2.1 Informative messages

---

I0000
-------

Package: minitoc 2008/07/16 v60 Package minitoc (JPF)

This is the announce message of the minitoc package, with its name, date and version. “JPF” are my initials. This message has no real identifier because it is emitted by `\ProvidesPackage`, but, for indexing it, we use I0000.

---

I0001
-------

```
Package minitoc Info: I0001
(minitoc)           *** minitoc package, version 60 ***.
```

Remember the version of the package.

---

I0002
-------

```
Package minitoc Info: I0002
(minitoc)           Autoconfiguration of extensions.
```

The minitoc package tries to determine if short or long extensions for file names are used by the operating system.

---

I0003
-------

```
Package minitoc Info: I0003
(minitoc)           chapter level macros available.
```

The `\chapter` sectionning command is available, so you can use the mini-table commands at the chapter level, but *not* the mini-table commands at the section level.

---

I0004
-------

```
Package minitoc Info: I0004
(minitoc)           chapter level macros NOT available.
```

The `\chapter` sectionning command is *not* available, so you cannot use the mini-table commands at the chapter level, but, if the `\section` sectionning command is available, you can use mini-table commands at the section level.

---

I0005
-------

```
Package minitoc Info: I0005
(minitoc)           compatible with hyperref.
```

This version of minitoc is compatible with the hyperref package.

I0006

---

```
Package minitoc Info: I0006
(minitoc)           document.EXTENSION is empty on input line LINE.
```

The auxiliary file for a mini-table is found empty (or inexistent) when minitoc tries to insert it. If the checkfiles option is active, it is skipped.

I0007

---

```
Package minitoc Info: I0007
(minitoc)           Horizontal rules are activated
(minitoc)           for the ARGIs on input line LINE.
```

The horizontal rules will be present in the mini-tables of type *ARGI*.

I0008

---

```
Package minitoc Info: I0008
(minitoc)           Horizontal rules are inhibited
(minitoc)           for the ARGIs on input line LINE.
```

The horizontal rules will be omitted in the mini-tables of type *ARGI*.

I0009

---

```
Package minitoc Info: I0009
(minitoc)           Listing minitoc auxiliary files.
(minitoc)           Creating the document.maf file.
```

You have used the `listfiles` package option. A list of the minitoc auxiliary files is written in the `document.maf` file. It may be helpful to delete these files. See section 1.7 on page 55. This option is the default since version #48.

I0010

---

```
Package minitoc Info: I0010
Package minitoc Info: The LANGUAGE language is selected.
(minitoc)           on input line LINE.
```

The `LANGUAGE.mld` file has been successfully loaded for the `LANGUAGE` language<sup>2</sup> by the `\mtcselectlanguage` command at line `LINE`. The titles for the mini-tables are changed.

---

<sup>2</sup> The `english.mld` file is always loaded first, to have english as default language.

I0011

---

```
Package minitoc Info: I0011
(minitoc)           LANGUAGE language object selected.
(minitoc)           on input line LINE.
```

The `\mtcselectlanguage` macro has successfully (indirectly) loaded the `LANGUAGE.mlo` minitoc object file.

I0012

---

```
Package minitoc Info: I0012
(minitoc)           Long extensions (Unix-like) will be used.
```

The autoconfiguration has detected that your operating system is able to use long extensions; this will be the default.

I0013

---

```
Package minitoc Info: I0013
(minitoc)           \mtcsetdepth redefines the counter
(minitoc)           "COUNTER" as "VALUE" on input line LINE.
```

The `\mtcsetdepth` macro changes the value of the specified depth counter and forces it to `VALUE`.

I0014

---

```
Package minitoc Info: I0014
(minitoc)           \mtcsetfeature redefines the macro
(minitoc)           "\INTERNAL_NAME" as
(minitoc)           "\SEQUENCE" on input line LINE.
```

The `\mtcsetfeature` macro has redefined the internal macro `INTERNAL_NAME` with the given `SEQUENCE`.

I0015

---

```
Package minitoc Info: I0015
(minitoc)           \mtcsetfont redefines the macro
(minitoc)           "macro" as "SEQUENCE" on input line LINE.
```

The `\mtcsetfont` command redefines the (old style) `macro` by the given `SEQUENCE` of font commands.

I0016

---

```
Package minitoc Info: I0016
(minitoc)          \mtcsetformat redefines the macro
(minitoc)          "\INTERNAL_NAME" as "ARG3" on input line LINE.
```

The macro `\mtcsetformat` redefines an internal macro with the value given by its third argument.

I0017

---

```
Package minitoc Info: I0017
(minitoc)          \mtcsettitle redefines the macro
(minitoc)          "INTERNAL_NAME" as
(minitoc)          "NEW_TITLE" on input line LINE.
```

A mini-table title is redefined via the `\mtcsettitle` macro.

I0018

---

```
Package minitoc Info: I0018
(minitoc)          \mtcsettitlefont redefines the macro
(minitoc)          "\INTERNAL_NAME" as
(minitoc)          "SEQUENCE" on input line LINE.
```

The `\mtcsettitlefont` macro redefines the (old style) `\INTERNAL_NAME` macro which the given sequence *SEQUENCE*.

I0019

---

```
Package minitoc(hints) Info: I0019
(minitoc(hints))   No hints have been written
(minitoc(hints))   in the document.log file.
```

The hints package option has detected no potential problem.

I0020

---

```
Package minitoc Info: I0020
(minitoc)          old version of the memoir class.
```

The version of the memoir class is old. The minitoc package does not need to patch this class.



---

**I0021**

Package minitoc Info: I0021  
(minitoc) Page numbers are activated  
(minitoc) for the *ARGI*s on input line *LINE*.

The page numbers will be present in the mini-tables of type *ARGI*.

---

**I0022**

Package minitoc Info: I0022  
(minitoc) Page numbers are inhibited  
(minitoc) for the *ARGI*s on input line *LINE*.

The page numbers will be omitted in the mini-tables of type *ARGI*.

---

**I0023**

Package minitoc Info: I0023  
(minitoc) part level macros available.

The `\part` sectioning command is available, so you can use the mini-table commands at the part level.

---

**I0024**

Package minitoc Info: I0024  
(minitoc) PREPARING MINITOCs FROM *FILE* on input line *LINE*.

A `\dominitoc` command prepares the minitoc auxiliary files for minitocs from *FILE*.

---

**I0025**

Package minitoc Info: I0025  
(minitoc) PREPARING PARTTOCS FROM *FILE* on input line *LINE*.

A `\doparttoc` command prepares the parttoc auxiliary files for parttocs from *FILE*.

---

**I0026**

Package minitoc Info: I0026  
(minitoc) PREPARING SECTTOCS FROM *FILE* on input line *LINE*.

A `\dosecttoc` command prepares the secttoc auxiliary files for secttocs from *FILE*.

I0027

---

```
Package minitoc Info: I0027
(minitoc)             recent version of the memoir class.
```

The version of the memoir class is recent. The minitoc package will try to patch it.

I0028

---

```
Package minitoc Info: I0028
(minitoc)             section level macros available.
```

The `\section` sectioning command is available but the `\chapter` sectioning command is *not* available, so you can use the mini-table commands at the section level.

I0029

---

```
Package minitoc Info: I0029
(minitoc)             section level macros NOT available.
```

The `\section` sectioning command is not defined (by the document class), so the section level commands of the minitoc package are not available.

I0030

---

```
Package minitoc Info: I0030
(minitoc)             the memoir class is loaded:
(minitoc)             compatibility attempted.
```

The memoir document class is used. The minitoc package tries to ensure compatibility.

I0031

---

```
Package minitoc Info: I0031
(minitoc)             ==> this version is configured for UNIX-like
(minitoc)             (long extensions) file names.
```

The autoconfiguration has detected that your operating uses UNIX-like (long extensions) file names.

I0032

---

```
Package minitoc Info: I0032
(minitoc)           This version of the memoir class uses
(minitoc)           a version of \chapter which is
(minitoc)           incompatible with the minitoc package.
(minitoc)           We try to patch.
```

The memoir class uses a version of the `\chapter` command which needs to be corrected because its syntax has been changed. A patch is loaded.

I0033

---

```
Package minitoc Info: I0033
(minitoc)           Writing document.EXTENSION.
```

An auxiliary file for a mini-table is written by a minitoc preparation command (like `\dominitoc`).

I0034

---

```
Package minitoc Info: I0034
(minitoc)           PREPARING MINILOFS FROM FILE on input line LINE.
```

A `\dominilof` command prepares the minilof auxiliary files for minilofs from *FILE*.

I0035

---

```
Package minitoc Info: I0035
(minitoc)           PREPARING PARTLOFS FROM FILE on input line LINE.
```

A `\dopartlof` command prepares the partlof auxiliary files for partlofs from *FILE*.

I0036

---

```
Package minitoc Info: I0036
(minitoc)           PREPARING SECTLOFS FROM FILE on input line LINE.
```

A `\dosectlof` command prepares the sectlof auxiliary files for sectlofs from *FILE*.

I0037

---

```
Package minitoc Info: I0037
(minitoc)             PREPARING MINILOTS FROM FILE on input line LINE.
```

A `\dominilot` command prepares the minilot auxiliary files for minilots from *FILE*.

I0038

---

```
Package minitoc Info: I0038
(minitoc)             PREPARING PARTLOTS FROM FILE on input line LINE.
```

A `\dopartlot` command prepares the partlot auxiliary files for partlots from *FILE*.

I0039

---

```
Package minitoc Info: I0039
(minitoc)             PREPARING SECTLOTS FROM FILE on input line LINE.
```

A `\dosectlot` command prepares the sectlot auxiliary files for sectlots from *FILE*.

### 5.2.1.1 Informative messages for hints

I0040

---

```
Package minitoc(hints) Info: I0040
(minitoc(hints))      The ‘‘abstract’’ package has been
(minitoc(hints))      loaded with the ‘‘addtotoc’’ option.
(minitoc(hints))      You need to look at the
(minitoc(hints))      documentation to adjust.
```

As you are using the `abstract` package with its `addtotoc` option, you should look at the `minitoc` package documentation for specific precautions. See section 2.27 on page 73.

I0041

---

```
Package minitoc(hints) Info: I0041
(minitoc(hints))      --- The amsbook class is loaded.
(minitoc(hints))      See the minitoc package documentation
(minitoc(hints))      for specific precautions.
```

As you are using the `amsbook` class, you should look at the `minitoc` package documentation for specific precautions. See section 2.24 on page 69.

I0042

---

```
Package minitoc(hints) Info: I0042
(minitoc(hints))      --- The appendix package is loaded.
(minitoc(hints))      See the minitoc package documentation
(minitoc(hints))      for specific precautions.
```

As you are using also the `appendix` package, you should look at the `minitoc` package documentation for specific precautions. See section 2.20 on page 67.

I0043

---

```
Package minitoc(hints) Info: I0043
(minitoc(hints))      --- The KOMAScript CLASS class is loaded.
(minitoc(hints))      See the minitoc package documentation
(minitoc(hints))      for specific precautions.
```

As you are using also the `CLASS` class, you should look at the `minitoc` package documentation for specific precautions. See section 1.5.5 on page 53. The classes involved here are `scrbook`, `scrreprt`, and `scrartcl`, i.e., the KOMA-Script classes [343, 344, 399] compatible with `minitoc`.

I0044

---

```
Package minitoc(hints) Info: I0044
(minitoc(hints))      --- The memoir class is loaded.
(minitoc(hints))      See the minitoc package documentation
(minitoc(hints))      for specific precautions.
```

As you are using the `memoir` class, you should look at the `minitoc` package documentation for specific precautions. See section 2.22 on page 68.

I0045

---

```
Package minitoc(hints) Info: I0045
(minitoc(hints))      The \PREPARATION command
(minitoc(hints))      has been invoked more than once
(minitoc(hints))      on input line LINE.
```

A `minitoc` preparation command has been invoked more than once.

I0046

---

```
Package minitoc(hints) Info: I0046
(minitoc(hints))          --- The tocbibind package is loaded.
(minitoc(hints))          See the minitoc package documentation
(minitoc(hints))          for specific precautions.
```

As you are using also the tocbibind package, you should look at the minitoc package documentation for specific precautions. See section 1.5.5 on page 53.

I0047

---

```
Package minitoc(hints) Info: I0047
(minitoc(hints))          --- The tocloft package is loaded.
(minitoc(hints))          See the minitoc package documentation
(minitoc(hints))          for specific precautions.
```

As you are using also the tocloft package, you should look at the minitoc package documentation for specific precautions. See section 2.21 on page 67.

I0048

---

```
Package minitoc(hints) Info: I0048
(minitoc(hints))          Using \mtcprepare may induce some
(minitoc(hints))          hints about the preparation commands,
(minitoc(hints))          because it invokes ALL the preparation
(minitoc(hints))          commands allowed by the document class,
(minitoc(hints))          without any previous check.
```

The `\mtcprepare` command invoke all the possible preparation commands, depending only on the document class and the available contents files. It does not know exactly what you want, so it can prepare too many mini-tables files.

I0049

---

```
Package minitoc(hints) Info: I0049
(minitoc(hints))          ==> You requested the hints option.
(minitoc(hints))          Some hints are eventually given below.
```

As you have requested the `hints` package option (which is set by default), some “hints” are eventually given in the `document.log` file. You can find them easily by searching for the string “`minitoc(hints)`” with a text editor.

I0050

---

```

Package minitoc Warning: I0050
(minitoc)           The required "LANGUAGE.mld" file is missing.
(minitoc)           The "LANGUAGE" language option will not be available.
(minitoc)           Please install it from a recent distribution
(minitoc)           or from the CTAN archives.

```

The *LANGUAGE.mld* file has not been installed on your system. You should take it from a recent distribution or from the CTAN archives to complete your installation, else the *LANGUAGE* language option will not be available.

I0051

---

```

Package minitoc Warning: I0051
(minitoc)           The required "LANGUAGE.mlo" file is missing.
(minitoc)           The "LANGUAGE" language option will not be available.
(minitoc)           Please install it from a recent distribution
(minitoc)           or from the CTAN archives.

```

The *LANGUAGE.mlo* file has not been installed on your system. You should take it from a recent distribution or from the CTAN archives to complete your installation, else the *LANGUAGE* language option will not be available.

I0052

---

```

Package minitoc Info: I0052
(minitoc)           \mtcsetoffset redefines the offset
(minitoc)           "OFFSET" as "VALUE" on input line LINE.

```

The `\mtcsetoffset` macro changes the value of the specified offset and forces it to *VALUE*.

I0053

---

```

Package minitoc Info: I0053
(minitoc)           You have loaded the PACK package;
(minitoc)           please be aware that the minitoc package
(minitoc)           facilities can not be used for new types
(minitoc)           of floats defined by the PACK package

```

The minitoc package does not manage new types of floats defined via the float [302], floatrow [285], trivfloat [484] and rotfloat [420] packages<sup>3</sup>.

<sup>3</sup> As the trivfloat and rotfloat packages load the float package, this message will then appear twice!

## 5.2.2 Warning messages

W0001

---

```
Package minitoc Warning: W0001
(minitoc)                \chapter and \section are undefined.
(minitoc)                Cannot use \mtcfixglossary without
(minitoc)                optional argument [part].
```

The sectioning commands `\chapter` and `\section` are not defined (by the document class), hence the `\mtcfixglossary` macro cannot be used without an optional argument (try `\part`). This situation is very unlikely to happen, so also verify your document class.

W0002

---

```
Package minitoc Warning: W0002
(minitoc)                \chapter and \section are undefined.
(minitoc)                Cannot use \mtcfixindex without
(minitoc)                optional argument [part].
```

The sectioning commands `\chapter` and `\section` are not defined (by the document class), hence the `\mtcfixindex` macro cannot be used without an optional argument (try `\part`). This situation is very unlikely to happen, so also verify your document class.

W0003

---

```
Package minitoc Warning: W0003
(minitoc)                \firstchapteris is an obsolete (ignored)
(minitoc)                command on input line LINE.
```

You have used an obsolete command (`\firstchapteris`). You should remove it.

W0004

---

```
Package minitoc Warning: W0004
(minitoc)                \firstpartis is an obsolete (ignored)
(minitoc)                command on input line LINE.
```

You have used an obsolete command (`\firstpartis`). You should remove it.



W0005

---

```
Package minitoc Warning: W0005
(minitoc)                \firstsectionis is an obsolete (ignored)
(minitoc)                command on input line LINE.
```

You have used an obsolete command (`\firstsectionis`). You should remove it.

W0006

---

```
Package minitoc Warning: W0006
(minitoc)                \mtcfixglossary can only be used
(minitoc)                with the [part] optional argument,
(minitoc)                which becomes the default.
```

The `\mtcfixglossary` macro can only use `[part]` as optional argument (which becomes the default), because `\chapter` and `\section` are not defined.

W0007

---

```
Package minitoc Warning: W0007
(minitoc)                \mtcfixindex can only be used
(minitoc)                with the [part] optional argument,
(minitoc)                which becomes the default.
```

The `\mtcfixindex` macro can only use `[part]` as optional argument (which becomes the default), because `\chapter` and `\section` are not defined.

W0008

---

```
Package minitoc Warning: W0008
(minitoc)                No file FILE.
(minitoc)                MINILOFS NOT PREPARED on input line LINE.
```

The *FILE* cannot be found, because it has not been created by a `\dominilof` command. Please check if you have called `\dominilof` in the correct sequence of commands.

W0009

---

```
Package minitoc Warning: W0009
(minitoc)                No file FILE.
(minitoc)                MINILOTS NOT PREPARED on input line LINE.
```

The *FILE* cannot be found, because it has not been created by a `\dominilot` command. Please check if you have called `\dominilot` in the correct sequence of commands.

W0010

---

```
Package minitoc Warning: W0010
(minitoc)                No file FILE.
(minitoc)                MINITOCs NOT PREPARED on input line LINE.
```

The *FILE* cannot be found, because it has not been created by a `\dominitoc` command. Please check if you have called `\dominitoc` in the correct sequence of commands.

W0011

---

```
Package minitoc Warning: W0011
(minitoc)                No file FILE.
(minitoc)                PARTLOFS NOT PREPARED on input line LINE.
```

The *FILE* cannot be found, because it has not been created by a `\dopartlof` command. Please check if you have called `\dopartlof` in the correct sequence of commands.

W0012

---

```
Package minitoc Warning: W0012
(minitoc)                No file FILE.
(minitoc)                PARTLOTS NOT PREPARED on input line LINE.
```

The *FILE* cannot be found, because it has not been created by a `\dopartlot` command. Please check if you have called `\dopartlot` in the correct sequence of commands.

W0013

---

```
Package minitoc Warning: W0013
(minitoc)                No file FILE.
(minitoc)                PARTTCS NOT PREPARED on input line LINE.
```

The *FILE* cannot be found, because it has not been created by a `\doparttoc` command. Please check if you have called `\doparttoc` in the correct sequence of commands.

W0014

---

```
Package minitoc Warning: W0014
(minitoc)                No file FILE.
(minitoc)                SECTLOFS NOT PREPARED on input line LINE.
```

The *FILE* cannot be found, because it has not been created by a `\dosectlof` command. Please check if you have called `\dosectlof` in the correct sequence of commands.

W0015

---

```
Package minitoc Warning: W0015
(minitoc)                No file FILE.
(minitoc)                SECTLOTS NOT PREPARED on input line LINE.
```

The *FILE* cannot be found, because it has not been created by a `\dosectlot` command. Please check if you have called `\dosectlot` in the correct sequence of commands.

W0016

---

```
Package minitoc Warning: W0016
(minitoc)                No file FILE.
(minitoc)                SECTTOCS NOT PREPARED on input line LINE.
```

The *FILE* cannot be found, because it has not been created by a `\dosecttoc` command. Please check if you have called `\dosecttoc` in the correct sequence of commands.

W0017

---

```
Package minitoc Warning: W0017
(minitoc)                no section or chapter level macros available
(minitoc)                PLEASE VERIFY YOUR MAIN DOCUMENT CLASS.
```

The `\chapter` and `\section` sectionning commands are not defined. Your document class is likely without any sectionning command, so the minitoc package is pointless. *Verify your main document class.*

W0018

---

```
Package minitoc Warning: W0018
Package minitoc Warning: part level macros NOT available.
```

The `\part` sectionning command is not defined (by the document class), so the part level commands of the minitoc package are not available. It is a warning message because most classes with sectionning commands define the `\part` command, so you should verify which class you are using.

W0019

---

```
Package minitoc Warning: W0019
(minitoc)                Short extensions (MSDOS-like) will be used.
(minitoc)                ==> this version is configured for MSDOS-like
(minitoc)                (8+3) file names.
```

The autofiguration has found that the operating system uses file names with short extensions (8+3 scheme).

W0020

---

```
Package minitoc Warning: W0020
(minitoc)                You have forced the use of short extensions.
```

You have used the `shorttext` package option to force the use of short extensions (8+3 scheme). This action limits the number of usable mini-tables of each kind and may be problematic if you have more than 99 mini-tables of the same kind. If your operating system allows for long extensions, do not use the `shorttext` package option, except for testing purposes.

W0021

---

```
Package minitoc Warning: W0021
(minitoc)                Your version of latex.tex is obsolete.
(minitoc)                Trying to continue...
```

You are using an obsolete version of  $\LaTeX$ , but the `minitoc` package will still try to continue. It would be better to update your  $\LaTeX$  installation.



W0022

---

```
Package minitoc Warning: W0022
Package minitoc Warning: Your version of latex.tex is very obsolete.
(minitoc)                Trying to continue... crossing fingers.
```

Your version of  $\LaTeX$  is very obsolete, and almost unusable with the `minitoc` package. You can try to continue the compilation, but you are urged to update your  $\LaTeX$  installation as soon as possible.



W0093

---

```
Package minitoc Warning: W0093
(minitoc)                Some "*.mld" or "*.mlo" files are missing
(minitoc)                in your installation.
(minitoc)                Search for the I0050 and I0051 info messages
(minitoc)                in the \jobname.log file.
(minitoc)                The full list of the missing language files
(minitoc)                is given in the W0094 warning message.
(minitoc)                Please install the missing files from
(minitoc)                a recent distribution
(minitoc)                or from the CTAN archives.
```

Some .mld or .mlo files have not been installed on your system. Search for the I0050 and I0051 info messages in the *document.log* file to find which files are missing. You can retrieve them from a recent distribution or from the CTAN archives to complete your installation, else some language options will not be available. The full list of the missing language files is given in the W0094 warning message.

I0050  
I0051

W0094

---

W0094

```
Package minitoc Warning: W0094
(minitoc)                Missing minitoc language file(s):
(minitoc)                ...
```

Some .mld or .mlo files have not been installed on your system. The list is given in the message.

---

W0095

```
Package minitoc Warning: W0095
(minitoc)                \chapter and \section are undefined.
(minitoc)                Cannot use \mtcfixnomenclature without
(minitoc)                optional argument [part].
```

The sectioning commands `\chapter` and `\section` are not defined (by the document class), hence the `\mtcfixnomenclature` macro cannot be used without an optional argument (try `\part`). This situation is very unlikely to happen, so also verify your document class.

---

W0096

```
Package minitoc Warning: W0096
(minitoc)                \mtcfixnomenclature can only be used
(minitoc)                with the [part] optional argument,
(minitoc)                which becomes the default.
```

The `\mtcfixnomenclature` macro can only use `[part]` as optional argument (which becomes the default), because `\chapter` and `\section` are not defined.

---

W0098

```
Package minitoc Warning: W0098
(minitoc)                --- You have used the \nofiles command
(minitoc)                in your preamble; all preparation commands
(minitoc)                in the body of the document will be ignored.
```

You have used the `\nofiles` command in the preamble of your document; hence the preparation commands will be ignored in your document. Please verify that the mini-table auxiliary files are in their final state. See page 31.

### 5.2.2.1 Warning messages for hints

W0023

---

```
Package minitoc(hints) Warning: W0023
(minitoc(hints))           --- It may be the consequence
(minitoc(hints))           of loading the ‘hyperref’ package.
```

Some sectioning commands have been altered *after* the loading of the minitoc package. The hyperref package does that, but it is harmless. For other packages or user-made alterations, it is recommended to alter the sectioning commands only *before* loading the minitoc package. See section 2.17 on page 65.

W0024

---

```
Package minitoc(hints) Warning: W0024
(minitoc(hints))           Some hints have been written
(minitoc(hints))           in the document.log file.
```

The hints package option has detected some potential problems and written hints into the *document.log* file. You can search it for the “minitoc(hints)” string with a text editor.

W0025

---

```
Package minitoc(hints) Warning: W0025
(minitoc(hints))           --- The alphanum package is loaded.
(minitoc(hints))           It is incompatible
(minitoc(hints))           with the minitoc package.
```

You are using the alphanum package which is *incompatible* with the minitoc package. The compilation can continue, but the result could be unsatisfactory.



W0026

---

```
Package minitoc(hints) Warning: W0026
(minitoc(hints))           --- The amsart class is loaded.
(minitoc(hints))           It is incompatible
(minitoc(hints))           with the minitoc package.
```

You are using the amsart document class which is *incompatible* with the minitoc package. The compilation can continue, but the result could be unsatisfactory.



W0027

---

```
Package minitoc(hints) Warning: W0027
(minitoc(hints))      --- The amsproc class is loaded.
(minitoc(hints))      It is incompatible
(minitoc(hints))      with the minitoc package.
```

You are using the `amsproc` document class which is *incompatible* with the `minitoc` package. The compilation can continue, but the result could be unsatisfactory.



W0028

---

```
Package minitoc(hints) Warning: W0028
(minitoc(hints))      --- The \chapter command is altered
                        after minitoc.
```

Some packages alter the sectioning commands, like `\chapter`. Most of them should be loaded *before* the `minitoc` package. The `hyperref` package, even if it is loaded *before* the `minitoc` package (as recommended), alters the sectioning commands in an `\AtBeginDocument`, so this message is always printed when you use the `hyperref` package with `minitoc`, but then it is harmless.

W0029

---

```
Package minitoc(hints) Warning: W0029
Package minitoc(hints) Warning: --- The jura class is loaded.
(minitoc(hints))      It is incompatible
(minitoc(hints))      with the minitoc package.
```

You are using the `jura` document class which is *incompatible* with the `minitoc` package. The compilation can continue, but the result could be unsatisfactory.



W0030

---

```
Package minitoc(hints) Warning: W0030
(minitoc(hints))      --- The \part command is altered
                        after minitoc.
```

Some packages alter the sectioning commands, like `\part`. Most of them should be loaded *before* the `minitoc` package. The `hyperref` package, even if it is loaded *before* the `minitoc` package (as recommended), alters the sectioning commands in an `\AtBeginDocument`, so this message is always printed when you use the `hyperref` package with `minitoc`, but then it is harmless.

W0031

---

```

Package minitoc(hints) Warning: W0031
(minitoc(hints))      --- The placeins package is loaded
(minitoc(hints))      without the section option,
(minitoc(hints))      but minitoc used the insection option
(minitoc(hints))      which implies it. Try to inverse the
(minitoc(hints))      loading order and use consistent options.
(minitoc(hints))      You may have got a message
(minitoc(hints))      ! LaTeX Error: Option clash for package placeins.

```

You are using the `placeins` package, but without its `section` option, while `minitoc` is called with its `insection` option which implies it. See page 32, near a “dangerous bend” symbol like the one shown in the margin.



W0032

---

```

Package minitoc(hints) Warning: W0032
(minitoc(hints))      --- The placeins package loaded is
(minitoc(hints))      too old. You should use a version
(minitoc(hints))      dated of 2005/04/18 at least.

```

You are using an obsolete version of the `placeins` package. Please update it from the CTAN archives or a recent distribution.

W0033

---

```

Package minitoc(hints) Warning: W0033
(minitoc(hints))      The caption package should be
(minitoc(hints))      loaded BEFORE the minitoc package.

```

The `caption` package alters some commands and must be loaded *before* the `minitoc` package. See section 2.31 on page 75.

W0034

---

```

Package minitoc(hints) Warning: W0034
(minitoc(hints))      The caption2 package should be
(minitoc(hints))      loaded BEFORE the minitoc package.

```

The `caption2` package alters some commands and must be loaded *before* the `minitoc` package. See section 2.31 on page 75. Note that the `caption2` package is now obsolete; please use a recent version of the `caption` package.



W0035

---

```
Package minitoc(hints) Warning: W0035
(minitoc(hints))           The ccaption package should be
(minitoc(hints))           loaded BEFORE the minitoc package.
```

The ccaption package alters some commands and must be loaded *before* the minitoc package. See section 2.31 on page 75.

W0036

---

```
Package minitoc(hints) Warning: W0036
(minitoc(hints))           The mcaption package should be
(minitoc(hints))           loaded BEFORE the minitoc package.
```

The mcaption package alters some commands and must be loaded *before* the minitoc package. See section 2.31 on page 75.

W0037

---

```
Package minitoc(hints) Warning: W0037
(minitoc(hints))           The sectsty package should be
(minitoc(hints))           loaded BEFORE the minitoc package.
```

The sectsty package alters some commands and must be loaded *before* the minitoc package. See section 2.28 on page 73.

W0038

---

```
Package minitoc(hints) Warning: W0038
(minitoc(hints))           The varsects package should be
(minitoc(hints))           loaded BEFORE the minitoc package.
```

The varsects package alters some commands and must be loaded *before* the minitoc package. See section 2.33 on page 76.

W0039

---

```
Package minitoc(hints) Warning: W0039
(minitoc(hints))           --- The \section command is altered
                           after minitoc.
```

Some packages alter the sectioning commands, like `\section`. Most of them should be loaded *before* the `minitoc` package. The `hyperref` package, even if it is loaded *before* the `minitoc` package (as recommended), alters the sectioning commands in an `\AtBeginDocument`, so this message is always printed when you use the `hyperref` package with `minitoc`, but then it is harmless.

W0040

---

```
Package minitoc(hints) Warning: W0040
(minitoc(hints))           --- The titletoc package is loaded.
(minitoc(hints))           It is incompatible
(minitoc(hints))           with the minitoc package.
```

You are trying to use also the `titletoc` package, but it is *incompatible* with the `minitoc` package. See note [21](#) on page [56](#).



W0041

---

```
Package minitoc(hints) Warning: W0041
(minitoc(hints))           You have attempted to insert
                           empty minilofs.
```

You have attempted to insert empty minilofs. If you have used the `nocheckfiles` package option, you will get some ugly empty mini-tables, with only a title and two horizontal rules. By default (`checkfiles` package option), you will only get this harmless message.

W0042

---

```
Package minitoc(hints) Warning: W0042
(minitoc(hints))           You have attempted to insert
                           empty minilots.
```

You have attempted to insert empty minilots. If you have used the `nocheckfiles` package option, you will get some ugly empty mini-tables, with only a title and two horizontal rules. By default (`checkfiles` package option), you will only get this harmless message.

W0043

---

```
Package minitoc(hints) Warning: W0043
(minitoc(hints))           You have attempted to insert
                           empty minitocs.
```

You have attempted to insert empty minitocs. If you have used the `nocheckfiles` package option, you will get some ugly empty mini-tables, with only a title and two horizontal rules. By default (`checkfiles` package option), you will only get this harmless message.

W0044

---

```
Package minitoc(hints) Warning: W0044
(minitoc(hints))           You have attempted to insert
                           empty partlofs.
```

You have attempted to insert empty partlofs. If you have used the `nocheckfiles` package option, you will get some ugly empty mini-tables, with only a title and two horizontal rules. By default (`checkfiles` package option), you will only get this harmless message.

W0045

---

```
Package minitoc(hints) Warning: W0045
(minitoc(hints))           You have attempted to insert
                           empty partlots.
```

You have attempted to insert empty partlots. If you have used the `nocheckfiles` package option, you will get some ugly empty mini-tables, with only a title and two horizontal rules. By default (`checkfiles` package option), you will only get this harmless message.

W0046

---

```
Package minitoc(hints) Warning: W0046
(minitoc(hints))           You have attempted to insert
                           empty parttocs.
```

You have attempted to insert empty parttocs. If you have used the `nocheckfiles` package option, you will get some ugly empty mini-tables, with only a title and two horizontal rules. By default (`checkfiles` package option), you will only get this harmless message.

W0047

---

```
Package minitoc(hints) Warning: W0047
(minitoc(hints))           You have attempted to insert
                           empty sectlofs.
```

You have attempted to insert empty sectlofs. If you have used the `nocheckfiles` package option, you will get some ugly empty mini-tables, with only a title and two horizontal rules. By default (`checkfiles` package option), you will only get this harmless message.

W0048

---

```
Package minitoc(hints) Warning: W0048
(minitoc(hints))                You have attempted to insert
                                empty sectlots.
```

You have attempted to insert empty sectlots. If you have used the `nocheckfiles` package option, you will get some ugly empty mini-tables, with only a title and two horizontal rules. By default (`checkfiles` package option), you will only get this harmless message.

W0049

---

```
Package minitoc(hints) Warning: W0049
(minitoc(hints))                You have attempted to insert
                                empty secttocs.
```

You have attempted to insert empty secttocs. If you have used the `nocheckfiles` package option, you will get some ugly empty mini-tables, with only a title and two horizontal rules. By default (`checkfiles` package option), you will only get this harmless message.

W0050

---

```
Package minitoc(hints) Warning: W0050
(minitoc(hints))                You have invoked an obsolete (ignored)
                                command: \firstchapteris.
```

You have used an obsolete command (`\firstchapteris`). You should remove it.

W0051

---

```
Package minitoc(hints) Warning: W0051
(minitoc(hints))                You have invoked an obsolete (ignored)
                                command: \firstpartis.
```

You have used an obsolete command (`\firstpartis`). You should remove it.

W0052

---

```
Package minitoc(hints) Warning: W0052
(minitoc(hints))                You have invoked an obsolete (ignored)
                                command: \firstsectionis.
```

You have used an obsolete command (`\firstsectionis`). You should remove it.

W0053

---

```
Package minitoc(hints) Warning: W0053
(minitoc(hints))           You have used short extensions
(minitoc(hints))           and more than 99 chapters (NUMBER).
```

You have used short extensions (limited to 3 characters) and more than 99 chapters, so the number of the auxiliary file does not fit in the extension. *NUMBER* is the number of effective chapters in your document. See section 1.9 on page 57.

W0054

---

```
Package minitoc(hints) Warning: W0054
(minitoc(hints))           You have used short extensions
(minitoc(hints))           and more than 99 parts (NUMBER).
```

You have used short extensions (limited to 3 characters) and more than 99 parts, so the number of the auxiliary file does not fit in the extension. *NUMBER* is the number of effective parts in your document. See section 1.9 on page 57.

W0055

---

```
Package minitoc(hints) Warning: W0055
(minitoc(hints))           You have used short extensions
(minitoc(hints))           and more than 99 sections (NUMBER).
```

You have used short extensions (limited to 3 characters) and more than 99 sections, so the number of the auxiliary file does not fit in the extension. *NUMBER* is the number of effective sections in your document. See section 1.9 on page 57.

W0056

---

```
Package minitoc(hints) Warning: W0056
(minitoc(hints))           You are using \dosectlof and/or
(minitoc(hints))           \dosectlot, \sectlof and/or \sectlot,
(minitoc(hints))           hence the ‘‘insection’’ package
(minitoc(hints))           option is recommended.
```

You are asking for mini-lists of figures or tables at the section level. But as floats (figures and tables) could drift somewhere outside the printing area of the text of the section, the sectlofs and sectlots can be rather strange. In order to have a better behaviour of these mini-tables, it may be useful to add the `insection` package option. See page 32.

W0057

---

```
Package minitoc(hints) Warning: W0057
(minitoc(hints))           You have used \minilof,
(minitoc(hints))           but not \dominilof.
```

You have attempted to insert some minilofs (via `\minilof`), but the minilofs have not been prepared (via `\dominilof`).

W0058

---

```
Package minitoc(hints) Warning: W0058
(minitoc(hints))           You have used \minilot,
(minitoc(hints))           but not \dominilot.
```

You have attempted to insert some minilots (via `\minilot`), but the minilots have not been prepared (via `\dominilot`).

W0059

---

```
Package minitoc(hints) Warning: W0059
(minitoc(hints))           You have used \minitoc,
(minitoc(hints))           but not \dominitoc.
```

You have attempted to insert some minitocs (via `\minitoc`), but the minitocs have not been prepared (via `\dominitoc`).

W0060

---

```
Package minitoc(hints) Warning: W0060
(minitoc(hints))           You have used \partlof,
(minitoc(hints))           but not \dopartlof.
```

You have attempted to insert some partlofs (via `\partlof`), but the partlofs have not been prepared (via `\dopartlof`).

W0061

---

```
Package minitoc(hints) Warning: W0061
(minitoc(hints))           You have used \partlot,
(minitoc(hints))           but not \dopartlot.
```

You have attempted to insert some partlots (via `\partlot`), but the partlots have not been prepared (via `\dopartlot`).

W0062

---

```
Package minitoc(hints) Warning: W0062
(minitoc(hints))           You have used \parttoc,
(minitoc(hints))           but not \doparttoc.
```

You have attempted to insert some parttocs (via `\parttoc`), but the parttocs have not been prepared (via `\doparttoc`).

W0063

---

```
Package minitoc(hints) Warning: W0063
(minitoc(hints))           You have used \sectlof,
(minitoc(hints))           but not \dosectlof.
```

You have attempted to insert some sectlofs (via `\sectlof`), but the sectlofs have not been prepared (via `\dosectlof`).

W0064

---

```
Package minitoc(hints) Warning: W0064
(minitoc(hints))           You have used \sectlot,
(minitoc(hints))           but not \dosectlot.
```

You have attempted to insert some sectlots (via `\sectlot`), but the sectlots have not been prepared (via `\dosectlot`).

W0065

---

```
Package minitoc(hints) Warning: W0065
(minitoc(hints))           You have used \secttoc,
(minitoc(hints))           but not \dosecttoc.
```

You have attempted to insert some secttocs (via `\secttoc`), but the secttocs have not been prepared (via `\dosecttoc`).

W0066

---

```
Package minitoc(hints) Warning: W0066
(minitoc(hints))           You have used \minilof,
(minitoc(hints))           but not \listoffigures nor
(minitoc(hints))           \fakelistoffigures.
```

You have tried to insert some minilofs (via `\minilof`), but the `document.lof` file is not available because you have not invoked `\listoffigures` nor `\fakelistoffigures`.

W0067

---

```
Package minitoc(hints) Warning: W0067
(minitoc(hints))           You have used \minilot but not
(minitoc(hints))           \listoftables nor
(minitoc(hints))           \fakelistoftables.
```

You have tried to insert some minilots (via `\minilot`), but the `document.lot` file is not available because you have not invoked `\listoftables` nor `\fakelistoftables`.

W0068

---

```
Package minitoc(hints) Warning: W0068
(minitoc(hints))           You have used \minitoc but not
(minitoc(hints))           \tableofcontents
(minitoc(hints))           nor \faketableofcontents.
```

You have tried to insert some minitocs (via `\minitoc`), but the `document.toc` file is not available because you have not invoked `\tableofcontents` nor `\faketableofcontents`.

W0069

---

```
Package minitoc(hints) Warning: W0069
(minitoc(hints))           You have used \partlof but not
(minitoc(hints))           \listoffigures
(minitoc(hints))           nor \fakelistoffigures.
```

You have tried to insert some partlofs (via `\partlof`), but the `document.lof` file is not available because you have not invoked `\listoffigures` nor `\fakelistoffigures`.

W0070

---

```
Package minitoc(hints) Warning: W0070
(minitoc(hints))           You have used \partlot but not
(minitoc(hints))           \listoftables
(minitoc(hints))           nor \fakelistoftables.
```

You have tried to insert some partlots (via `\partlot`), but the `document.lot` file is not available because you have not invoked `\listoftables` nor `\fakelistoftables`.



W0071

---

```
Package minitoc(hints) Warning: W0071
(minitoc(hints))           You have used \parttoc but not
(minitoc(hints))           \tableofcontents
(minitoc(hints))           nor \faketableofcontents.
```

You have tried to insert some parttocs (via `\parttoc`), but the *document.toc* file is not available because you have not invoked `\tableofcontents` nor `\faketableofcontents`.

W0072

---

```
Package minitoc(hints) Warning: W0072
(minitoc(hints))           You have used \sectlof but not
(minitoc(hints))           \listoffigures
(minitoc(hints))           nor \fakelistoffigures.
```

You have tried to insert some sectlofs (via `\sectlof`), but the *document.lof* file is not available because you have not invoked `\listoffigures` nor `\fakelistoffigures`.

W0073

---

```
Package minitoc(hints) Warning: W0073
(minitoc(hints))           You have used \sectlot but not
(minitoc(hints))           \listoftables
(minitoc(hints))           nor \fakelistoftables.
```

You have tried to insert some sectlots (via `\sectlot`), but the *document.lot* file is not available because you have not invoked `\listoftables` nor `\fakelistoftables`.

W0074

---

```
Package minitoc(hints) Warning: W0074
(minitoc(hints))           You have used \secttoc but not
(minitoc(hints))           \tableofcontents
(minitoc(hints))           nor \faketableofcontents.
```

You have tried to insert some secttocs (via `\secttoc`), but the *document.toc* file is not available because you have not invoked `\tableofcontents` nor `\faketableofcontents`.

---

W0075
-------

```
Package minitoc(hints) Warning: W0075
(minitoc(hints))              You have used \doparttoc
(minitoc(hints))              but not \parttoc.
```

You have prepared some parttocs (via `\doparttoc`), but you never used one of them.

---

W0076
-------

```
Package minitoc(hints) Warning: W0076
(minitoc(hints))              You have used \dopartlof
(minitoc(hints))              but not \partlof.
```

You have prepared some partlofs (via `\dopartlof`), but you never used one of them.

---

W0077
-------

```
Package minitoc(hints) Warning: W0077
(minitoc(hints))              You have used \dopartlot
(minitoc(hints))              but not \partlot.
```

You have prepared some partlots (via `\dopartlot`), but you never used one of them.

---

W0078
-------

```
Package minitoc(hints) Warning: W0078
(minitoc(hints))              You have used \dominitoc
(minitoc(hints))              but not \minitoc.
```

You have prepared some minitocs (via `\dominitoc`), but you never used one of them.

---

W0079
-------

```
Package minitoc(hints) Warning: W0079
(minitoc(hints))              You have used \dominilof
(minitoc(hints))              but not \minilof.
```

You have prepared some minilofs (via `\dominilof`), but you never used one of them.

W0080

---

```
Package minitoc(hints) Warning: W0080
(minitoc(hints))           You have used \dominilot
(minitoc(hints))           but not \minilot.
```

You have prepared some minilots (via `\dominilot`), but you never used one of them.

W0081

---

```
Package minitoc(hints) Warning: W0081
(minitoc(hints))           You have used \dosecttoc
(minitoc(hints))           but not \secttoc.
```

You have prepared some secttocs (via `\dosecttoc`), but you never used one of them.

W0082

---

```
Package minitoc(hints) Warning: W0082
(minitoc(hints))           You have used \dosectlof
(minitoc(hints))           but not \sectlof.
```

You have prepared some sectlofs (via `\dosectlof`), but you never used one of them.

W0083

---

```
Package minitoc(hints) Warning: W0083
(minitoc(hints))           You have used \dosectlot
(minitoc(hints))           but not \sectlot.
```

You have prepared some sectlots (via `\dosectlot`), but you never used one of them.

W0084

---

```
Package minitoc(hints) Warning: W0084
(minitoc(hints))           --- The placeins package is loaded
(minitoc(hints))           with the above option,
(minitoc(hints))           but minitoc used the insection option
(minitoc(hints))           which is incompatible with it.
(minitoc(hints))           Try to remove the above option and
(minitoc(hints))           use consistent options.
```

You are using the `placeins` package, but with its `above` option, while `minitoc` is called with its `insection` option which is *incompatible* with it. See page 32, near a “dangerous bend” symbol.



W0085

---

```
Package minitoc(hints) Warning: W0085
(minitoc(hints))      --- The placeins package is loaded
(minitoc(hints))      with the below option,
(minitoc(hints))      but minitoc used the insection option
(minitoc(hints))      which is incompatible with it.
(minitoc(hints))      Try to remove the below option
(minitoc(hints))      and use consistent options.
```

You are using the `placeins` package, but with its `below` option, while `minitoc` is called with its `insection` option which is *incompatible* with it. See page 32, near a “dangerous bend” symbol.



W0086

---

```
Package minitoc(hints) Warning: W0086
(minitoc(hints))      The fncychap package should be
(minitoc(hints))      loaded BEFORE the minitoc package.
```

The `fncychap` package alters some commands and must be loaded *before* the `minitoc` package. See section 2.38 on page 78.

W0087

---

```
Package minitoc(hints) Warning: W0087
(minitoc(hints))      The quotchap package should be
(minitoc(hints))      loaded BEFORE the minitoc package.
```

The `quotchap` package alters some commands and must be loaded *before* the `minitoc` package. See section 2.39 on page 78.

W0088

---

```
Package minitoc(hints) Warning: W0088
(minitoc(hints))      The romannum package should be
(minitoc(hints))      loaded BEFORE the minitoc package.
```

The `romannum` package alters the numbering of some sectioning commands and must be loaded *before* the `minitoc` package. See section 2.40 on page 79.

W0089

---

```
Package minitoc(hints) Warning: W0089
(minitoc(hints))           The sfheaders package should be
(minitoc(hints))           loaded BEFORE the minitoc package.
```

The sfheaders package alters the sectioning commands and must be loaded *before* the minitoc package. See section 2.41 on page 79.

W0090

---

```
Package minitoc(hints) Warning: W0090
(minitoc(hints))           The alnumsec package should be
(minitoc(hints))           loaded BEFORE the minitoc package.
```

The alnumsec package alters the sectioning commands and must be loaded *before* the minitoc package. See section 2.42 on page 79.

W0091

---

```
Package minitoc(hints) Warning: W0091
(minitoc(hints))           The captcont package should be
(minitoc(hints))           loaded BEFORE the minitoc package.
```

The captcont package alters the caption commands and must be loaded *before* the minitoc package. See section 2.43 on page 79.

W0092

---

```
Package minitoc(hints) Warning: W0092
(minitoc(hints))           The hangcaption package should be
(minitoc(hints))           loaded BEFORE the minitoc package.
```

The hangcaption package alters some commands and must be loaded *before* the minitoc package. See section 2.47 on page 82.

W0097

---

```
Package minitoc(hints) Warning: W0097
(minitoc(hints))           --- The flowfram package is loaded.
(minitoc(hints))           It is incompatible
(minitoc(hints))           with the minitoc package.
```

You are using the flowfram package which is *incompatible* with the minitoc package, because it has its own definitions for minitocs. The compilation can continue, but the result could be unsatisfactory.



W0099

---

```
Package minitoc(hints) Warning: W0099
(minitoc(hints))          --- The titlesec package is loaded.
(minitoc(hints))          It is incompatible
(minitoc(hints))          with the minitoc package.
```

You are trying to use also the titlesec package, but it is *incompatible* with the minitoc package. See note 21 on page 56.



### 5.2.3 Error messages

E0001

---

```
! Package minitoc Error: E0001
(minitoc)          But \part is undefined.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
\mtcfixglossary not usable
```

There are no adequate sectioning command available to use the `\mtcfixglossary` macro; even `\part` is undefined. Verify your document class.

E0002

---

```
! Package minitoc Error: E0002
(minitoc)          But \part is undefined.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
\mtcfixindex not usable
```

There are no adequate sectioning command available to use the `\mtcfixindex` macro; even `\part` is undefined. Verify your document class.

E0003

---

```
! Package minitoc Error: E0003
(minitoc)          Imbrication of mtchideinmainlof environments.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
The hiding in main LoF could be incorrect
```

Some `mtchideinmainlof` environments are incorrectly imbricated (overlapping), so the hiding in the main list of figures will be strange.

E0004

---

```
! Package minitoc Error: E0004
(minitoc)          Imbrication of mtchideinmainlot environments.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
The hiding in main LoT could be incorrect
```

Some `mtchideinmainlot` environments are incorrectly imbricated (overlapping), so the hiding in the main list of tables will be strange.

E0005

---

```
! Package minitoc Error: E0005
(minitoc)          Imbrication of mtchideinmaintoc environments.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
The hiding in main ToC could be incorrect
```

Some `mtchideinmaintoc` environments are incorrectly imbricated (overlapping), so the hiding in the main table of contents will be strange.

E0006

---

```
! Package minitoc Error: E0006
(minitoc)          LANGUAGE is not a known language,
(minitoc)          LANGUAGE.mld not found.
(minitoc)          Command ignored.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
See the minitoc documentation.
Correct the source using a valid language name.
Press RETURN
```

The `\mtcselectlanguage` macro has attempted to load the `LANGUAGE.mld` minitoc language definition file, but has not found it. First, verify the name of the language (likely to be misspelt), then check if your installation contains *all* the many distributed `.mld` files of the minitoc package, at the right place. If it is a local `.mld` file, it should be installed in the right place (in a local hierarchy) or be in the working directory.

E0007

---

```

! Package minitoc Error: E0007
(minitoc)          LANGUAGE is not a known minitoc
(minitoc)          language object file (.mlo),
(minitoc)          LANGUAGE.mlo not found.
(minitoc)          Command ignored.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
See the minitoc documentation.
Correct the source using a valid language name.
Press RETURN

```

The `\mtcselectlanguage` macro has attempted to load indirectly the `LANGUAGE.mlo` minitoc language object file, but has not found it. First, verify the name of the language (likely to be misspelt), then check if your installation contains *all* the many distributed `.mlo` files of the minitoc package, at the right place. If it is a local `.mlo` file, it should be installed in the right place (in a local hierarchy) or be in the working directory.

E0008

---

```

! Package minitoc Error: E0008
(minitoc)          \mtcsetdepth attempts to use
(minitoc)          an undefined counter (ARG/depth).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
Correct the source code.
Type <return> and rerun LaTeX

```

You are trying to set the depth for an inexistent or undefined type of mini-table. Verify the type given and the document class, and the loaded packages.

E0009

---

```

! Package minitoc Error: E0009
(minitoc)          \mtcsetdepth has a wrong first argument
(minitoc)          (ARG/).
(minitoc)          It should be a mini-table type
(minitoc)          (parttoc...sectlot).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```



The first argument of the `\mtcsetdepth` macro is incorrect. It should be a type of mini-table (`parttoc`, ..., `sectlot`).

E0010

---

```
! Package minitoc Error: E0010
(minitoc) \mtcsetdepth: Illegal type of table (ARG1).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX
```

The first argument of the `\mtcsetdepth` macro is incorrect. It should be a mini-table type (`parttoc`, ..., `sectlot`).

E0011

---

```
! Package minitoc Error: E0011
(minitoc) \mtcsetfeature has a wrong first argument
(minitoc) (ARG1).
(minitoc) It should be a mini-table type
(minitoc) (parttoc...sectlot).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX
```

The first argument of the `\mtcsetfeature` macro is incorrect. It should be a mini-table type (`parttoc`, ..., `sectlot`).

E0012

---

```
! Package minitoc Error: E0012
(minitoc) \mtcsetfeature has a wrong second argument
(minitoc) (ARG2).
(minitoc) It should be a feature param
(minitoc) (before, after, open, close, pagestyle).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX
```

The second argument of the `\mtcsetfeature` macro is incorrect. It should be `before`, `after`, `open`, `close`, or `thispagestyle`.

E0013

---

```

! Package minitoc Error: E0013
(minitoc)          \mtcsetfont has a wrong first argument
(minitoc)          (arg1).
(minitoc)          It should be a mini-table type
(minitoc)          (parttoc...sectlot).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The first argument of `\mtcsetfont` is incorrect; it should be the type of a mini-table (`parttoc ...`, `sectlot`).

E0014

---

```

! Package minitoc Error: E0014
(minitoc)          \mtcsetfont has a wrong second argument
(minitoc)          (ARG2).
(minitoc)          It should be a sectionning level
(minitoc)          (part...subparagraph) or * .
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The second argument of `\mtcsetfont` is incorrect; it should be a sectionning level (i.e., a sectionning command without its backslash), like `part ...`, `subparagraph`.

E0015

---

```

! Package minitoc Error: E0015
(minitoc)          \mtcsetformat has a wrong first argument
(minitoc)          (ARG1).
(minitoc)          It should be a mini-table type
(minitoc)          (parttoc...sectlot).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The first argument of a `\mtcsetformat` macro is incorrect. It should be a mini-table type (`parttoc`, `...`, `sectlot`).

E0016

---

```

! Package minitoc Error: E0016
(minitoc)          \mtcsetformat has a wrong second argument
(minitoc)          (ARG2).
(minitoc)          It should be a formatting param choosen from:
(minitoc)          pagenumwidth, tocrightmargin, dotinterval.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The second argument of the `\mtcsetformat` macro is wrong. It should be one of the following keywords: `pagenumwidth`, `tocrightmargin`, or `dotinterval`.

E0017

---

```

! Package minitoc Error: E0017
(minitoc)          \mtcsetpagenumbers has a wrong first
(minitoc)          argument (ARG1)..
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
It should be a mini-table type
(minitoc)          (parttoc...sectlot)
Correct the source code.
Type <return> and rerun LaTeX

```

The first argument of the `\mtcsetpagenumbers` macro must be a type of minitable (`parttoc`, ..., `sectlot`).

E0018

---

```

! Package minitoc Error: E0018
(minitoc)          \mtcsetpagenumbers has a wrong second
(minitoc)          argument (ARG2).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
It should be a boolean value (0/1, yes/no, on/off, ...)
Correct the source code.
Type <return> and rerun LaTeX

```

The second argument of the `\mtcsetpagenumbers` must be a keyword chosen in the following lists<sup>4</sup> :

- on, ON, yes, YES, y, Y, true, TRUE, t, T, vrai, VRAI, v, V, oui, OUI, o, O, +, and 1;
- off, OFF, no, NO, n, N, false, FALSE, faux, FAUX, f, F, non, NON, -, and 0.

E0019

---

```
! Package minitoc Error: E0019
(minitoc)          \mtcsetrules has a wrong first argument
(minitoc)          (ARG1).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
It should be a mini-table type
(minitoc)          (parttoc...sectlot)
Correct the source code.
Type <return> and rerun LaTeX
```

The first argument of the `\mtcsetrules` is incorrect. It should be a mini-table type (`parttoc`, ..., `sectlot`).

E0020

---

```
! Package minitoc Error: E0020
(minitoc)          \mtcsetrules has a wrong second argument
(minitoc)          (ARG2).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
It should be a boolean value (0/1, yes/no, on/off, ...)
Correct the source code.
Type <return> and rerun LaTeX
```

The second argument of the `\mtcsetrules` must be a keyword chosen in the following lists<sup>4</sup> :

- on, ON, yes, YES, y, Y, true, TRUE, t, T, vrai, VRAI, v, V, oui, OUI, o, O, +, and 1;
- off, OFF, no, NO, n, N, false, FALSE, faux, FAUX, f, F, non, NON, -, and 0.

---

<sup>4</sup> O and o are the letter O, 0 is the zero digit.

E0021

---

```

! Package minitoc Error: E0021
(minitoc)          \mtcsettitle has a wrong first argument
(minitoc)          (ARG1).
(minitoc)          It should be a mini-table type
(minitoc)          (parttoc...sectlot).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The first argument of a `\mtcsettitle` macro is incorrect; it should be a mini-table type (`parttoc`, ..., `sectlot`).

E0022

---

```

! Package minitoc Error: E0022
(minitoc)          \mtcsettitlefont has a wrong first argument
(minitoc)          (ARG1).
(minitoc)          It should be a mini-table type
(minitoc)          (parttoc...sectlot).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The first argument of the `\mtcsettitlefont` must be a mini-table type. You likely misspelt it.

E0023

---

```

! Package minitoc Error: E0023
(minitoc)          The macro \mtcsetfeature has incompatible
(minitoc)          first (ARG1) and second (ARG2) arguments.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The first and second arguments of the `\mtcsetfeature` macro are *incompatible*. You should verify them.



E0024

---

```
! Package minitoc Error: E0024
(minitoc)          The macro \mtcsetfont has incompatible
(minitoc)          first (ARG1) and second (ARG2) arguments.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX
```

The `\mtcsetfont` macro takes a mini-table type as first argument, a sectioning level as second argument (or a star), and a sequence of font commands as third argument. The second argument must have a lower level than the first one (i.e., it is meaningless to specify the font for the chapter level entries for a `minitoc` or a `secttoc`).

E0025

---

```
! Package minitoc Error: E0025
(minitoc)          The macro \mtcsetformat has incompatible
(minitoc)          first (ARG1) and second (ARG2) arguments.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX
```

The first and second arguments of a `\mtcsetformat` macro are *incompatible*. One is likely to be misspelt.



E0026

---

```
! Package minitoc Error: E0026
(minitoc)          The optional argument of \mtcfixglossary
(minitoc)          is wrong.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
It must be omitted (chapter), or be part, chapter or section
```

The optional argument of the `\mtcfixglossary` macro is incorrect: it should be omitted (then it defaults to `chapter`) or be `part`, `chapter`, or `section`.

E0027

---

```
! Package minitoc Error: E0027
(minitoc)           The optional argument of \mtcfixindex
(minitoc)           is wrong.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
It must be omitted (chapter), or be part, chapter or section
```

The optional argument of the `\mtcfixindex` macro is incorrect: it should be omitted (then it defaults to chapter) or be part, chapter, or section.

E0028

---

```
! Package minitoc Error: E0028
(minitoc)           Unable to patch the memoir class.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
So it remains incompatible. Sorry.
```

Your version of the memoir class is really *incompatible* with the minitoc package and cannot be automatically patched. Please update the memoir class and/or the minitoc package from the CTAN archives or a recent distribution.



E0029

---

```
! Package minitoc Error: E0029
(minitoc)           Unbalanced mtchideinmainlof environment.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
The hiding in main LoF could be incorrect
```

A `mtchideinmainlof` environment is unbalanced, so the hiding in the main list of figures could be incorrect.

E0030

---

```
! Package minitoc Error: E0030
(minitoc)           Unbalanced mtchideinmainlot environment.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
The hiding in main LoT could be incorrect
```

A `mtchideinmainlot` environment is unbalanced, so the hiding in the main list of tables could be incorrect.

E0031

---

```
! Package minitoc Error: E0031
(minitoc)          Unbalanced mtchideinmaintoc environment.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
The hiding in main ToC could be incorrect
```

A `mtchideinmaintoc` environment is unbalanced, so the hiding in the main table of contents could be incorrect.

E0032

---

```
! Package minitoc Error: E0032
(minitoc)          You are using the \mtcloadmlo command
(minitoc)          outside of a .mld file.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
It will be ignored
```

It is *forbidden* to use the `\mtcloadmlo` macro outside of a `.mld` file (which is loaded via `\mtcselectlanguage`). The command is ignored.

E0033

---

```
! Package minitoc Error: E0033
(minitoc)          The macro \mtcsettitle uses
(minitoc)          an illegal type of table (ARG1).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX
```

The first argument of a `minitoc` macro is incorrect. It should be a type of mini-table, like `parttoc`, `partlof`, `partlot`, `minitoc`, `minilof`, `minilot`, `sectoc`, `sectlof`, or `sectlot`.



E0034

---

```

! Package minitoc Error: E0034
(minitoc)          The macro \mtcsettitlefont uses
(minitoc)          an illegal type of table (ARG1).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The first argument of a minitoc macro is incorrect. It should be a type of mini-table, like parttoc, partlof, partlot, minitoc, minilof, minilot, secttoc, sectlof, or sectlot.

E0035

---

```

! Package minitoc Error: E0035
(minitoc)          You have used the 'insection' option in
(minitoc)          a document where chapters are defined.
(minitoc)          This is not compatible: option ignored.
Type H <return> for immediate help.
? h
Remove this option.
Type <return> and rerun LaTeX

```

The insection package option is intended for article-like document classes, to prevent floats from drifting out of their section. It is pointless for book-like or report-like document classes, where floats are contained in their chapter.

E0036

---

```

! Package minitoc Error: E0036
(minitoc)          Your minitoc installation is incomplete.
(minitoc)          The minitoc language object file (.mld),
(minitoc)          english.mld is not found.
(minitoc)          We will try to continue with default values.
Type H <return> for immediate help.
? h
See the minitoc documentation.
Please fix your minitoc installation.
Type <return> to continue

```

The english.mld language definition file can not be found. You should verify your installation of the minitoc package. As an interim solution, we provide the missing english titles.

E0037

```
! Package minitoc Error: E0037
(minitoc)           The \COMMAND command is incompatible
(minitoc)           with the document class.
```

See the minitoc package documentation for explanation.  
 Type H <return> for immediate help.  
 ...

```
1.39 \dominitoc[r]
```

```
? h
Correct the source code.
Type <return> and rerun LaTeX
```

You have used a preparation or insertion command (*\COMMAND*) which is not available for the document class you are using. Please verify that the document class is compatible with minitoc and if the level of the mini-table is available in the document class (section-level mini-tables are not available in book- or report-like classes, chapter-level mini-tables are not available in article-like classes, mini-tables are not available in letter-like classes, etc.).

E0038

```
! Package minitoc Error: E0038
(minitoc)           Your minitoc installation is incomplete.
(minitoc)           A mandatory minitoc language object file,
(minitoc)           LANGUAGE.mld, is not found.
(minitoc)           We will try to continue with
(minitoc)           current/default values.
Type H <return> for immediate help.
? h
See the minitoc documentation.
Please fix your minitoc installation.
Type <return> to continue
```

The mandatory *LANGUAGE.mld* language definition file can not be found. You should verify your installation of the minitoc package. As an interim solution, we provide the default english titles.

E0039

---

```
! Package minitoc Error: E0039
(minitoc)          But \part is undefined.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
\mtcfixnomenclature not usable
```

There are no adequate sectioning command available to use the `\mtcfixnomenclature` macro; even `\part` is undefined. Verify your document class.

E0040

---

```
! Package minitoc Error: E0040
(minitoc)          The optional argument of \mtcfixnomenclature
(minitoc)          is wrong.
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
It must be omitted (chapter), or be part, chapter or section
```

The optional argument of the `\mtcfixnomenclature` macro is incorrect: it should be omitted (then it defaults to `chapter`) or be `part`, `chapter`, or `section`.

E0041

---

```
! Package minitoc Error: E0041
(minitoc)          \mtcsetoffset attempts to use
(minitoc)          an undefined mini-table type (ARG1).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
Correct the source code.
Type <return> and rerun LaTeX
```

You are trying to set the offset for an inexistent or undefined type of mini-table. Verify the type given and the document class, and the loaded packages.

E0042

---

```

! Package minitoc Error: E0042
(minitoc)          \mtcsetoffset has a wrong first argument
(minitoc)          (ARG1).
(minitoc)          It should be a mini-table type
(minitoc)          (parttoc...sectlot).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The first argument of the `\mtcsetoffset` macro is incorrect. It should be a type of mini-table (`parttoc`, ..., `sectlot`).

E0043

---

```

! Package minitoc Error: E0043
(minitoc)          \mtcsetoffset: Illegal type of table (ARG1).
See the minitoc package documentation for explanation.
Type H <return> for immediate help.
? h
Correct the source code.
Type <return> and rerun LaTeX

```

The first argument of the `\mtcsetoffset` macro is incorrect. It should be a mini-table type (`parttoc`, ..., `sectlot`).

## 5.3 Messages from the `mtcoff` package

The `mtcoff` package gives only warning messages; their numbers begin with F.

### 5.3.1 Warning messages

F0001

---

```

Package mtcoff Warning: F0001
(mtcoff)          \addstarredchapter{...} should be replaced
(mtcoff)          by \addcontentsline{toc}{chapter}{...}
(mtcoff)          on input line LINE.

```

The `\addstarredchapter` command is specific of the `minitoc` package and simulated by the `mtcoff` package. If necessary, it should be replaced by the equivalent `\addcontentsline{toc}{chapter}{...}` command.

F0002

---

```
Package mtcoff Warning: F0002
(mtcoff)                \addstarredpart{...} should be replaced
(mtcoff)                by \addcontentsline{toc}{part}{...}
(mtcoff)                on input line LINE.
```

The `\addstarredpart` command is specific of the `minitoc` package and simulated by the `mtcoff` package. If necessary, it should be replaced by the equivalent `\addcontentsline{toc}{part}{...}` command.

F0003

---

```
Package mtcoff Warning: F0003
(mtcoff)                \addstarredsection{...} should be replaced
(mtcoff)                by \addcontentsline{toc}{section}{...}
(mtcoff)                on input line LINE.
```

The `\addstarredsection` command is specific of the `minitoc` package and simulated by the `mtcoff` package. If necessary, it should be replaced by the equivalent `\addcontentsline{toc}{section}{...}` command.

F0004

---

```
Package mtcoff Warning: F0004
(mtcoff)                \mtcaddchapter{...} should be replaced
(mtcoff)                by \addcontentsline{toc}{chapter}{...}
(mtcoff)                on input line LINE.
```

The `\mtcaddchapter` command is specific of the `minitoc` package and simulated by the `mtcoff` package. If necessary, it should be replaced by the equivalent `\addcontentsline{toc}{chapter}{...}` command.

F0005

---

```
Package mtcoff Warning: F0005
(mtcoff)                \mtcaddpart{...} should be replaced
(mtcoff)                by \addcontentsline{toc}{part}{...}
(mtcoff)                on input line LINE.
```

The `\mtcaddpart` command is specific of the `minitoc` package and simulated by the `mtcoff` package. If necessary, it should be replaced by the equivalent `\addcontentsline{toc}{part}{...}` command.

F0006

---

```
Package mtcoff Warning: F0006
(mtcoff)          \mtcaddsection{...} should be replaced
(mtcoff)          by \addcontentsline{toc}{section}{...}
(mtcoff)          on input line LINE.
```

The `\mtcaddsection` command is specific of the `minitoc` package and simulated by the `mtcoff` package. If necessary, it should be replaced by the equivalent `\addcontentsline{toc}{section}{...}` command.

F0007

---

```
Package mtcoff Warning: F0007
(mtcoff)          You should scan (backwards) your .log
(mtcoff)          file to find some commands needing
(mtcoff)          to be replaced if you decide to
(mtcoff)          DEFINITELY stop using minitoc for this
(mtcoff)          document. It is more wise to keep the
(mtcoff)          \usepackage lines for minitoc and mtcoff
(mtcoff)          and to comment out only one of them.
```

You have replaced the use of the `minitoc` package by its substitute `mtcoff`. It is recommended to keep the `\usepackage` lines for both `minitoc` and `mtcoff` and to comment out only one of them. If you decide to *definitely* stop using `minitoc` for this document, it is wise to scan (backwards) the `document.log` file (after a compilation using `mtcoff`) to locate some commands needing to be replaced.

F0008

---

```
Package mtcoff Warning: F0008
(mtcoff)          The macro \kernafterSTRING
(mtcoff)          should not be used out of context
(mtcoff)          on line LINE.
```

You are using one of the `\kernafterSTRING` macros with the `mtcoff` package. The result may be unpredictable. You can only redefine these macros to adjust the position of the bottom rule of a type of minitables. Any other usage is meaningless without the `minitoc` package.

F0009

---

```
Package mtcoff Warning: F0009
(mtcoff)          The macro \STRINGoffset
(mtcoff)          should not be used out of context
(mtcoff)          on line LINE.
```

You are using one of the `\STRINGoffset` macros with the `mtcoff` package. The result may be unpredictable. You can only redefine these macros to adjust the horizontal position of a type of minitables. Any other usage is meaningless without the `minitoc` package.

## 5.4 Message from the `mtcpatchmem` package

---

M0001
-------

Package `mtcpatchmem` Info: M0001

Package `mtcpatchmem` Info: `mtcpatchmem` package to patch the `memoir` class.

You are using a version of the `memoir` class which needs a correction. This correction has been automatically loaded if necessary. Very recent versions should not need it anymore. See chapter [12](#) on page [467](#).

# Chapter 6

## Jargon

### Contents

---

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---

### Tables

---

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---

This chapter attempts to explain some terms used in this documentation, and describes some useful files and suffixes. Many data come from the documentations of various cited packages (often from the abstract), and from [4, 5, 137, 140, 266, 282, 289–291, 309, 310, 315, 330, 343, 344, 355, 356, 458].





- .aux** The suffix of the name for an *auxiliary* file of a  $\LaTeX$  document. It carries some information from a  $\LaTeX$  run to the next.
- .cls** The suffix for the name of a document class file, loaded via `\documentclass`.
- .dtx** The suffix of the name for a documented source file of a  $\LaTeX$  package or class. This file is often associated with a `.ins` file to generate the package or class. Compiling a `.dtx` file with  $\LaTeX$  generates the documentation.
- .F** The base suffix of the name for a minilof file when short extensions (suffixes) are used. The full suffix is `.Fnn` where *nn* is the absolute number of the minilof.
- .G** The base suffix of the name for a partlof file when short extensions (suffixes) are used. The full suffix is `.Gnn` where *nn* is the absolute number of the partlof.
- .H** The base suffix of the name for a sectlof file when short extensions (suffixes) are used. The full suffix is `.Hnn` where *nn* is the absolute number of the sectlof.
- .ins** The suffix of the name for an installation file of a  $\LaTeX$  package or class. When compiled with  $\LaTeX$ , it extracts the files of the package or class from an `.dtx` file.
- .lof** The suffix of the name of the “list of figures” file.
- .log** The suffix of the name of the log file (compilation report).
- .lot** The suffix of the name of the “list of tables” file.
- .M** The base suffix of the name for a minitoc file when short extensions (suffixes) are used. The full suffix is `.Mnn` where *nn* is the absolute number of the minitoc.
- .maf** The suffix of the name of the file generated by the `listfiles` package option. This file contains the list of the minitoc auxiliary files.
- .mld** The suffix for the name of a minitoc language definition file. A minitoc language definition file contains the definitions for the mini-table titles in a given language.
- .mlf** The base suffix of the name for a minilof file when long extensions (suffixes) are used. The full suffix is `.mlfnn` where *nn* is the absolute number of the minilof.
- .mlo** The suffix for the name of a minitoc language object file. For some exotic languages, the encoding makes not easy to put directly the titles in a `.mld` file; hence the `.mld` file must load a `.mlo` file.
- .mlt** The base suffix of the name for a minilot file when long extensions (suffixes) are used. The full suffix is `.mlt $nn$`  where *nn* is the absolute number of the minilot.
- .mtc** The base suffix of the name for a minitoc file when long extensions (suffixes) are used. The full suffix is `.mtc $nn$`  where *nn* is the absolute number of the minitoc.
- .P** The base suffix of the name for a parttoc file when short extensions (suffixes) are used. The full suffix is `.Pnn` where *nn* is the absolute number of the parttoc.

- .plf** The base suffix of the name for a partlof file when long extensions (suffixes) are used. The full suffix is `.plfnn` where *nn* is the absolute number of the partlof.
- .plt** The base suffix of the name for a partlot file when long extensions (suffixes) are used. The full suffix is `.pltmn` where *nn* is the absolute number of the partlot.
- .ptc** The base suffix of the name for a parttoc file when long extensions (suffixes) are used. The full suffix is `.ptcmn` where *nn* is the absolute number of the parttoc.
- .S** The base suffix of the name for a secttoc file when short extensions (suffixes) are used. The full suffix is `.Snn` where *nn* is the absolute number of the secttoc.
- .slf** The base suffix of the name for a sectlof file when long extensions (suffixes) are used. The full suffix is `.slfnn` where *nn* is the absolute number of the sectlof.
- .slt** The base suffix of the name for a sectlot file when long extensions (suffixes) are used. The full suffix is `.sltmn` where *nn* is the absolute number of the sectlot.
- .stc** The base suffix of the name for a secttoc file when long extensions (suffixes) are used. The full suffix is `.stcmn` where *nn* is the absolute number of the secttoc.
- .sty** The suffix for the name of a package file, loaded via `\usepackage`.
- .T** The base suffix of the name for a minilot file when short extensions (suffixes) are used. The full suffix is `.Tnn` where *nn* is the absolute number of the minilot.
- .tex** The suffix of the name of a T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X normal source file.
- .toc** The suffix of the name of the “table of contents” file.
- .U** The base suffix of the name for a partlot file when short extensions (suffixes) are used. The full suffix is `.Unn` where *nn* is the absolute number of the partlot.
- .V** The base suffix of the name for a sectlot file when short extensions (suffixes) are used. The full suffix is `.Vnn` where *nn* is the absolute number of the sectlot.

## A

**absolute numbering** The auxiliary files for the mini-tables have a suffix containing an *absolute number*, i.e., the number is unique and always increasing from the first part, chapter or section; this has solved some obscure problems, and also made obsolete some commands, like `\firstpartis`, `\firstchapteris`, and `\firstsectionis`. The absolute numbering has been introduced in version #23.

**abstract** The abstract package [470] (by Peter R. WILSON) needs some precautions if used with its `addtotoc` option.

I0040

**adjustment** Some `minitoc` commands and environments are known as “adjustment commands” because they are used in some circumstances to “adjust” a counter or to alter the displaying of contents files. These commands and environments are `\adjustptc`, `\adjustmtc`, `\adjuststc`, `\decrementptc`, `\decrementmtc`, `\decrementstc`, `\incrementptc`, `\incrementmtc`, `\incrementstc`,

`\mtcaddpart`, `\mtcaddchapter`, `\mtcaddsection`, `\mtcfixglossary`, `\mtcfixindex`, `\mtcfixnomenclature`, `mtchideinmaintoc`, `mtchideinmainlof`, and `mtchideinmainlot`. It is *strongly recommended* that the user verifies the result of such adjustments in the final document.



**after** A type of *feature* (see this term) which is executed *after* a given type of mini-table. Look at the documentation of the `\mtcsetfeature` command, in section 1.10 on page 51.

**afterpage** The `afterpage` [115] package is used to add code to be executed *after* the next page break.

**alnumsec** The `alnumsec` package [274] allows you to use alphanumeric section numbering, e.g. A. Introduction; III. International Law. It's output is similar to the `alphanum` package (part of the `jura` class [103]), but you can use the standard  $\LaTeX$  sectioning commands. Thus it is possible to switch numbering schemes easily. Greek letters, double letters (`bb`) and different delimiters around them are supported. It must be loaded *before* the `minitoc` package (see point 1.8 on page 57 and section 2.42 on page 79).

W0090

**alphanum** The `alphanum` package, which is part of the specialized `jura` class [103], by Felix BRAUN, is *incompatible* with the `minitoc` package.

W0025

$\mathcal{AMS}$  The American Mathematical Society<sup>1</sup>. This society has developed some document classes: unfortunately, `amsart` and `amsproc` are *incompatible* with the `minitoc` package; `amsbook` is compatible but needs precautions.

W0026

W0027

I0041

**amsart**, **amsart.cls** A document class for articles [8], provided by the American Mathematical Society ( $\mathcal{AMS}$ ). Unfortunately, this class is *incompatible* with the `minitoc` package.

W0026

**amsbook**, **amsbook.cls** A document class for books [8], provided by the American Mathematical Society ( $\mathcal{AMS}$ ). This class is compatible with the `minitoc` package, but needs some precautions. See section 2.24 on page 69.

I0041

**amsproc**, **amsproc.cls** A document class for conference proceedings [8], provided by the American Mathematical Society ( $\mathcal{AMS}$ ). Unfortunately, this class is *incompatible* with the `minitoc` package.

W0027

**Antomega** `Antomega` [272] (by Alexej M. KRYUKOV and Dmitry IVANOV) is a language support package for *Lambda* ( $\Lambda$ ), based on the original `omega.sty` file of the Omega project ( $\Omega$ ). However, it provides some additional useful functionalities. Some languages definition files (`.mld`) use titles taken from `Antomega`: `greek-mono.mld`, `greek-polydemo.mld`, `greek-polykatha.mld`, `latvian.mld`, `polish2.mld`, `russian2m.mld`, `russian2o.mld`, and `spanish3.mld`.

**appendices** See appendix below.

**appendix** The `appendix` package [471] (by Peter R. WILSON) provides various ways of formatting the titles of appendices. Also (sub)appendices environments are provided that can be used, for instance, for per chapter/section appendices. If this

I0042

<sup>1</sup> <http://www.ams.org>

package is used with `minitoc`, some precautions are needed (see section 2.20 on page 67).

- Arabi** `Arabi` [243] is a system (by Youssef JABRI) to prepare  $\LaTeX$  documents in the arabic or farsi languages. The titles in `arabi.mld` and `farsi3.mld` come from the `arabic.lfd` and `farsi.lfd` files of this system.
- ArabTeX** `ArabTeX` [276, 277] is a package (by Klaus LAGALLY) to prepare  $\LaTeX$  documents in the arabic or hebrew languages. The titles in `arab.mld` (or `arabic.mld`), `arab2.mld` and `hebrew.mld` come from `ArabTeX`, while those of `hebrew2.mld` come from `babel` [60, 61].
- ArmTeX** `ArmTeX` [142] is a package (prepared by Sergueï DACHIAN, Arnak DALALYAN and Vartan AKOPIAN) to prepare  $\LaTeX$  documents in the armenian language. The titles in `armenian.mld` come from `ArmTeX`.
- article** A standard  $\LaTeX$  document class [282]. It has sectioning commands: `\part` and `\section` (and below), but not `\chapter`. It is compatible with the `minitoc` package and you can make mini-tables at the part and section levels (but, of course, not at the unavailable chapter level).
- \AtBeginDocument** This standard macro allows to add code to be executed at the beginning of the document (if fact, at the very end of its preamble, but inside it, which implies some restrictions), at the point where `\begin{document}` is processed. This allows a package (or a class) to add code without creating any conflicts with other packages trying to do the same.
- \AtEndDocument** This standard macro allows to add code to be executed at the end of the document, at the point where `\end{document}` is processed. This allows a package (or a class) to add code without creating any conflicts with other packages trying to do the same.
- autoconfiguration** Since version #28, `minitoc` detects automatically if the extensions (suffixes) of the file names are limited to 3 characters (like under MS-DOS) or not. This process is named autoconfiguration. The package option `shorttext` forces the limitation to 3 characters.
- auxiliary** During the preparation of a document, the  $\LaTeX$  system uses some **auxiliary** files to store information. The standard auxiliary files are `document.aux` (for cross-reference labels, counters, etc.), `document.toc` for the table of contents, `document.lof` for the list of figures, and `document.lot` for the list of tables. The `minitoc` package creates its own auxiliary files, to store the contents of each mini-table. These files are the *minitoc auxiliary files*, whose names are `document.extension`, the table 1.11 on page 58 lists the possible extensions. See also the `.maf` extension above.

## B

- babel** The `babel` package [60, 61] (by Johannes L. BRAAMS and others) is a large package useful to write  $\LaTeX$  documents in many languages, not only english. Many titles for mini-tables come directly from the `babel` package.

- BangTeX** A package for typesetting documents in the *bangla* (bengali) language using the TeX/LaTeX systems; see [362].
- before** A type of *feature* (see this term) which is executed *before* a given type of mini-table. Look at the documentation of the `\mtcsetfeature` command, in section 1.10 on page 51.
- BibTeX** A program by Oren PATASHNIK to make bibliographies in LaTeX documents. Distributed with LaTeX. See [315, 366, 367, 417].
- bibtopic** A LaTeX package [25] for including several bibliographies in a document. These bibliographies might be considered to cover different topics (hence the name) or bibliographic material (e.g., primary and secondary literature) and the like.
- bibunits** The *bibunits* package [210] allows separate bibliographies for different units or parts of the text. The units can be chapters, sections or `bibunit` environments. This package is compatible with a wide variety of packages, including, but not limited to, *natbib* [145, 146], *overcite* [17] and KOMA-Script classes [343, 344, 399].
- book** A standard LaTeX document class [282]. It has sectioning commands: `\part`, `\chapter`, and `\section` (and below). It is compatible with the *minitoc* package and you can make mini-tables at the part and chapter levels (but not at the section level, to avoid too many auxiliary files).
- booktabs** This nice package [165] helps to the preparation of better tables, *without* vertical rules nor double rules.

## C

- calc** The *calc* [441] package makes easier the numeric computations (on counters and dimensions) when preparing a LaTeX document.
- cappuccino** See “minutes” below.
- captcont** The *captcont* package [131] provides support for retaining a figure or caption number across several float environments — usually over several pages. It allows control over the contents of the List-of-Figures and the List-of-Tables pages. It should be compatible with all other packages that modify or extend the float environment and with the *subfig* package [132] in particular. W0091
- caption** The *caption* package [421, 422, 424] provides many ways to customize the captions in floating environments such `figure` and `table` and cooperates with many other packages. W0033
- caption2** The<sup>2</sup> *caption2* package [423] used to be an experimental side-version of the regular *caption* package [421, 422, 424] and has been superseed by the new release of the regular *caption* package version 3.0 in December 2003. *caption2* is still W0034

<sup>2</sup> This text comes from the documentation of the *caption* package. The *caption* and *caption2* packages have the same author, Axel SOMMERFELDT.

Table 6.1: Category codes

Category	Meaning
0	Escape character ( <code>\</code> usually)
1	Beginning of group ( <code>{</code> usually)
2	End of group ( <code>}</code> usually)
3	Math shift ( <code>\$</code> usually)
4	Alignment tab ( <code>&amp;</code> usually)
5	End of line ( <i>return</i> usually)
6	Parameter ( <code>#</code> usually)
7	Superscript ( <code>^</code> usually)
8	Subscript ( <code>_</code> usually)
9	Ignored character ( <i>null</i> usually)
10	Space ( <code>_</code> usually)
11	Letter ( <code>A, . . . , Z</code> and <code>a, . . . , z</code> )
12	Other character (none of the above or below)
13	Active character ( <code>~</code> usually)
14	Comment character ( <code>%</code> usually)
15	Invalid character ( <i>delete</i> usually)

some kind of supported, that means it will be part of future releases and bugs will still be fixed, so existing documents using this package will still compile. But Axel SOMMERFELDT will *not* answer questions about this package anymore except questions on migrating to the regular version of the `caption` package. And it will *not* be adapted or enhanced in the future.

So please don't use this package for new documents. It's old, it's obsolete and it starts to begin smell bad!

Please ignore all hints in books or other documents which try to tell you that the `caption2` package should be used instead of the `caption` package – these hints are outdated since December 2003.

**CATALOG** A plain text file which contains basic infos about the `minitoc` package (abstract, date, author, version, licence).

**catcode** Short for “category code”. In<sup>3</sup> the first place, it's wise to have a precise idea of what your keyboard sends to the machine. There are 256 characters that `TEX` might encounter at each step, in a file or in a line of text typed directly on your terminal. These 256 characters are classified into 16 categories numbered 0 to 15. See table 6.1. It's not necessary for you to learn these code numbers; the point is only that `TEX` responds to 16 different types of characters. At first, “*The T<sub>E</sub>Xbook*” led you to believe that there were just two types — the escape character and the others — and then you were told about two more types, the grouping symbols `{` and `}`. The category code for any character can be changed at any time, but it is usually wise to stick to a particular scheme.

**ccaption** The `ccaption` package [474] provides commands for “continuation captions”, unnumbered captions, and a legend heading for any environment. Methods are

W0035

<sup>3</sup> This definition is taken from “*The T<sub>E</sub>Xbook*” [263, 265].

Table 6.2: Encoding schemes implemented in CJK

Encoding	1 byte	2 bytes	3 bytes
GB	0xA1–0xF7	0xA1–0xFE	—
Big 5	0xA1–0xF9	0x40–0xFE	—
JIS	0xA1–0xF4	0xA1–0xFE	—
SJIS	0xA1–0xFE	0x40–0xFC	—
KS	0xA1–0xFD	0xA1–0xFE	—
UTF 8	0xC0–0xEF	0x80–0xBF	0x80–0xBF
CNS	0xA1–0xFE	0xA1–0xFE	—

provided to define captions for use outside float environments, and to define new float environments and subfloats. Tools are provided for defining your own captioning styles.

**chnpage** The `chnpage` package (by Peter R. WILSON) provides commands to change the page layout in the middle of a document, and to robustly check for typesetting on odd or even pages.

**Chapter 0** Some documents do not begin with chapter number one, but with chapter number zero (or even a weirder number). This caused a serious problem in old versions of the `minitoc` package: the `minitocs` appeared in the wrong chapters, and a first correction was the introduction of specific commands (`\firstchapteris` and `co.`). With the addition of the absolute numbering of the mini-table auxiliary files (see *absolute* above), the problem was solved in `minitoc` version #23, and these commands became obsolete. See section 1.5.4 on page 52.

**chapterbib** The `chapterbib` package [19] allows multiple bibliographies in a  $\LaTeX$  document, including items `\cite'd` in more than one bibliography. Despite the name “chapterbib”, *the bibliographies are for each included file*, not necessarily for each chapter.

**checkfiles** A package option of `minitoc`. It checks every mini-table to look if it is empty; then empty mini-tables are *not* printed. This is the default. The opposite package option (`nocheckfiles`) prints even the empty mini-tables, which look ugly. See section 9.77.2 on page 409.

**CJK** The CJK system [127, 297, 298] (by Werner LEMBERG and others), is a set of packages and fonts to prepare  $\LaTeX$  documents in some oriental language, like chinese, japanese, korean (with Hangŭl or Hanja fonts), and thai, plus some variants of russian. The titles of mini-tables for these languages come from some CJK files and were inserted in `.mld` files when possible, or in `.mlo` files when the encoding is incompatible with the `.ins/.dtx` mechanism; then the `.mld` file must input the corresponding `.mlo` file. CJK implements the GB, Big 5, JIS, SJIS, KS, UTF 8, and CNS encodings (on 16 bits, except UTF 8 on 24 bits). See table 6.2.

Some encoding schemes (Big 5, SJIS) have gaps in the range of the second byte. It is difficult to input Big 5 and SJIS encoding directly into  $\TeX$  since some of the values used for the encodings’ second bytes are reserved for control characters: ‘{’, ‘}’, and ‘\’. Redefining them breaks a lot of things in  $\LaTeX$ ; to avoid this, preprocessors are normally used which convert the second byte into a number

Table 6.3: Standard document classes

Class	Usage
article [282]	For articles in scientific journals, presentations, short reports, program documentation, invitations, ...
proc [281]	For preparing conference proceedings; analog to the article class.
ltxdoc [116]	For preparing the documentation of a package or of a class; analog to the article class.
ltnews [248]	For preparing the announcement of a L <sup>A</sup> T <sub>E</sub> X release; analog to the article class.
report [282]	For longer reports containing several chapters, small books, PhD theses, ...
book [282]	For real books.
letter [283]	For letters; as this class has no sectioning commands, do not use minitoc with this class.
slides [324]	For slides; the class uses big sans serif letters. You might want to consider using BeamerT <sub>E</sub> X <sup>a</sup> instead. Do not use minitoc with these classes.

<sup>a</sup> <http://www.dante.de/tex-archive/macros/latex/contrib/beamer/doc/beameruserguide.pdf>

followed by a delimiter character. For further details, please refer to [309, 310]; Ken LUNDE discusses in great detail all CJK encodings which are or have been in use. Please note that the minitoc package uses the .mlo files as a workaround for this problem; see section 1.4.14 on page 47.

**class** The **class**<sup>4</sup> is the first information L<sup>A</sup>T<sub>E</sub>X needs to know when processing an input file; it is the type of document the author wants to create. This is specified with the `\documentclass` command.

```
\documentclass[options]{class}
```

Here *class* specifies the type of document to be created. Table 6.3 lists the standard document classes [282]. The L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> distribution provides additional classes for other documents, including letters and slides, but the minitoc package has not been tested with all these classes. The *options* parameters customize the behaviour of the document class. The options have to be separated by commas. The standard classes supported by the minitoc package are listed in section 2.7 on page 63.

**close** A type of *feature* (see this term) which is executed immediately after (*close*) the insertion of the auxiliary file for a given type of mini-table. Look at the documentation of the `\mtcsetfeature` command, in section 1.10 on page 51. See the `mtc-ocf.tex` example file, in section 4.27 on page 140.

**cmk** An example of shell script to prepare the documentation files in PostScript format from the ones in PDF format. This script should be adapted to your needs.

**CMR** For “Computer Modern Roman”. The roman subset of the Computer Modern fonts. See “Computer Modern” below.

**comp.text.tex** The Usenet news group about T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X, in english.

<sup>4</sup> This note is extracted from [356], then adapted.



**Computer Modern** A set of fonts [262] designed by Donald E. KNUTH for T<sub>E</sub>X. Initially they were built with METAFONT [149, 264] (a program also created by KNUTH), but PostScript type 1 (vector) versions exist today, with extensions (for accented characters, mainly): the EC-fonts (European Computer Modern), the cm-super fonts, etc.

**counter** A T<sub>E</sub>X register containing an integer value. There are 256 counters (from 0 to 255) in T<sub>E</sub>X, but L<sup>A</sup>T<sub>E</sub>X uses some of them, and many packages need some counters for their own usage. An extended version derived from T<sub>E</sub>X,  $\epsilon$ -T<sub>E</sub>X [105], allows more counters. Omega ( $\Omega$ ) also offers more counters.

**CTAN** The *Comprehensive T<sub>E</sub>X Archive Network*, a set of computer archives containing most of the T<sub>E</sub>X related resources (like fonts, software, documentations, packages). They are accessible via Internet. The participating hosts in the Comprehensive TeX Archive Network are<sup>5</sup>:

- ftp.dante.de (Cologne [Köln], Germany)
  - anonymous ftp /tex-archive (/pub/tex /pub/archive)
  - rsync access on <rsync://rsync.dante.de/CTAN/>
  - World Wide Web access on <http://www.dante.de/>
  - Administrator: <mailto:ftpmaint@dante.de>
- ftp.tex.ac.uk (Cambridge, England, UK)
  - anonymous ftp /tex-archive (/pub/tex /pub/archive)
  - rsync access on <rsync://rsync.tex.ac.uk/CTAN/>
  - NFS mountable from <nfs.tex.ac.uk/tex-archive>
  - World Wide Web access on <http://www.tex.ac.uk/>
  - Administrator: <mailto:ctan-uk@tex.ac.uk>
- tug.ctan.org (Colchester, Vermont, USA)
  - anonymous ftp /tex-archive (/pub/archive)
  - World Wide Web access on <http://www.ctan.org/>
  - Administrator: <mailto:tex@ctan.tug.org>

There are also many sites mirroring these main archives.

## D

**dblaccnt** I needed to use the dblaccnt [328] package to typeset “The pdfT<sub>E</sub>X Program” entry [204] in the bibliography, because its author’s first name contains a double accent (Thế Thành H<sub>À</sub>N).

**de.comp.text.tex** The Usenet news group about T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X, in german.

**depth** In the standard documents classes (and in most classes) with sectioning commands, we have a notion of **depth**. The depth of a sectioning command determines the numbering level in its title (from the value of the secnumdepth counter),

<sup>5</sup> This list may change in the future.

Table 6.4: Depths for sectioning commands

Class:	book	report	article
secnumdepth	2	2	3
\part	-1	-1	0
\chapter	0	0	×
\section	1	1	1
\subsection	2	2	2
\subsubsection	3	3	3
\paragraph	4	4	4
\subparagraph	5	5	5

and the entries for a given sectioning command appear in the main table of contents if the depth of this sectioning command is lower than or equal to the value of the `tocdepth` counter; see table 6.4 for the depths of the sectioning commands in the main document classes.

The mechanism is analog for the `parttocs`, `minitocs`, and `secttocs`, using the values of the `parttocdepth`, `minitocdepth`, and `secttocdepth` counters. If you use sub-figures or sub-tables, the corresponding mini-tables use counters like `partlofdepth`, `partlotdepth`, `minilofdepth`, `minilotdepth`, `sectlofdepth`, and `sectlotdepth`.

**descriptor** (file descriptor). A software entity describing the interface between a program and a file. For most programs and operating systems, the number of file descriptors is limited. For  $\text{T}_{\text{E}}\text{X}$  (and  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ ), there are 16 file descriptors for writing and 16 file descriptors for reading.

**devanagari.sty** The *Devanāgarī for  $\text{T}_{\text{E}}\text{X}$*  (Devanāgarī) package [364] provides a way to typeset high-quality Devanāgarī text with  $\text{T}_{\text{E}}\text{X}$ . Devanāgarī is a script used for writing and printing Sanskrit and a number of languages in Northern and Central India such as Hindi and Marathi, as well as Nepali. The Devanāgarī package was originally developed in May 1991 by Frans Velthuis for the University of Groningen, The Netherlands, and it was the first system to provide support for the Devanāgarī script for  $\text{T}_{\text{E}}\text{X}$ .

## E

**em** A length unit equal (approximately) to the width of a “m” letter in the current font.

**emk** An example of shell script to prepare the english documentation of the `minitoc` package. The script `imk` must have been run previously. See item 10 on page 249.

**en-mtc.bst** A bibliographic style derived from the `plain.bst` standard style, but modified with the `urlbst` tool [196] to add an URL field. Family names of authors and editors are in small caps, years are in old style digits.

Table 6.5: Various encodings

Encoding	Comment
<code>ansinew</code>	Windows 3.1 ANSI encoding, extension of Latin-1.
<code>applemac</code>	Macintosh encoding.
<code>ascii</code>	ASCII encoding for the range 32–127.
<code>cp1250</code>	Windows 1250 (Central and Eastern Europe) code page.
<code>cp1251</code>	Windows 1251 (Cyrillic) code page.
<code>cp1252</code>	Synonym for <code>ansinew</code> .
<code>cp1257</code>	Windows 1257 (Baltic) code page.
<code>cp437</code>	IBM 437 code page, which is the original American code page and contains letters, digits, mathematical symbols, and some characters useful in the construction of pseudographics.
<code>cp437de</code>	IBM 437 code page (German version).
<code>cp850</code>	IBM 850 code page, almost the same as ISO Latin 1, but character arrangement is not the same.
<code>cp852</code>	IBM 852 code page.
<code>cp855</code>	IBM 855 code page (Cyrillic).
<code>cp865</code>	IBM 865 code page.
<code>cp866</code>	IBM 866 code page (MS-DOS Cyrillic).
<code>decmulti</code>	DEC Multinational Character Set encoding.
<code>latin1</code>	ASCII encoding plus the characters needed for most Western European languages, including Danish, Dutch, English, Faroese, Finnish, Flemish, French, German, Icelandic, Italian, Norwegian, Portuguese, Spanish, and Swedish. Some non-European languages, such as Hawaiian and Indonesian, are also written in this character set.
<code>latin2</code>	ASCII encoding plus the characters needed for most Central European languages, including Croatian, Czech, Hungarian, Polish, Romanian, Slovak, and Slovenian.
<code>latin3</code>	ASCII encoding plus the characters needed for Esperanto, Maltese, Turkish, and Galicean. However, <code>latin5</code> is the preferred character set for Turkish.
<code>latin4</code>	ASCII encoding plus the characters needed for the Baltic languages (Latvian, Estonian, and Lithuanian), Greenlandic, and Lappish (Sámi).
<code>latin5</code>	Is essentially the same as <code>latin1</code> , except that some Turkish characters replace less commonly used Icelandic letters.
<code>next</code>	Next encoding.

**encoding** This specifies the order that characters appear in the font (e.g., whether the 65th character is “A”). The most common value for TeX font encoding is OT1. The other predefined option is T1 (extended T<sub>E</sub>X). There’s also US ASCII (7 bit), ISO Latin-1 (8 bit), Adobe Standard Encoding, UTF8 (Unicode [[128](#), [151](#), [448](#)]), etc. See table [6.5](#) and [[292](#), [323](#)].

**environment** An environment is a delimited domain in a document, where special rules apply. Such a domain is delimited by `\begin{env} ... \end{env}` and may take arguments, like this:

```
\begin{minipage}[t]{.5\textwidth}
\end{minipage}
```

- $\varepsilon$ -TeX**  $\varepsilon$ -TeX [105] is an extended version of TeX, with much more registers and many new primitives; it supports also left-to-right and right-to-left writing.
- ethiop** A L<sup>A</sup>TeX package [44] giving the ethiopian language support for the babel package [60, 61].
- extension** The name of a file is often made of 2 parts: a *base name* and an *extension*, separated by a dot. On some old operating systems, the base name is limited to 8 characters and the extension to 3 characters (the “8+3” scheme). See also sections 1.9 on page 57 and 2.5 on page 61. It is strongly recommended to not have more than one dot in a file name.

## F

**farsi.sty** See FarsiTeX below.

**FarsiTeX** A package [162] to typeset a document in the farsi (iranian, persian) language. See <http://www.farsitex.org>. But this package is today available only for L<sup>A</sup>TeX2.09. See also sections 13.54 on page 526 and 13.55 on page 526.

**features** A feature (for the minitoc package) is a set of actions executed at each occurrence of a mini-table of a given type. Five features are associated to each mini-table type: a “before” feature (executed before the whole mini-table), an “after” feature (executed after the whole mini-table), a “open” feature, executed just before inserting the mini-table file, a “close” feature, executed just after inserting the mini-table file, and a “pagestyle” feature, which is executed with the mini-table to set its page style. Look at the documentation of the `\mtcsetfeature` command, in section 1.10 on page 51.

**filecontents** A special L<sup>A</sup>TeX environment. It allows to create a file (whose name is passed as an argument of the environment) by writing the contents of the environment into that file:

```
\begin{filecontents}{file}
...contents ...
\end{filecontents}
```

This environment should be used *before* `\documentclass`. It is used in `minitoc.ins` to prepare the `.mlo` files (see section 1.4.14 on page 47) and some files used in the compilation of the documentation.

**`\firstchapteris`** An obsolete command, temporarily used as a workaround for the Chapter 0 problem; see **Chapter 0** and **absolute numbering** above, and section 1.5.4 on page 52.

**`\firstpartis`** Analog to `\firstchapteris` above.

**`\firstsectionis`** Analog to `\firstchapteris` above.

- float** This package [302] (by Anselm LINGNAU) improves the interface for defining floating objects such as figures and tables in L<sup>A</sup>T<sub>E</sub>X. It adds the notion of a ‘float style’ that governs appearance of floats. New kinds of floats may be defined using a `\newfloat` command analogous to `\newtheorem`. This package also incorporates the functionality of David P. CARLISLE’s package here, giving floating environments a [H] option which means ‘PUT IT HERE’ (as opposed to the standard [h] option which means ‘You may put it here if you like’). I0053
- \FloatBarrier** A macro from the `placeins` package [15]. It sets up a “barrier” against the drift of floats (like figures or tables).
- floatrow** This package [285] (by Olga G. LAPKO) is an extension of the `float` package [302] (by Anselm LINGNAU), reusing its code, with extensions from the `rotfloat` package [420] (by Axel SOMMERFELDT). I0053
- flowfram** This package [433, 434] is designed to enable you to create text *frames* in a document such that the contents of the document environment flow from one frame to the next in the order that they were defined. This is useful for creating posters or magazines or any other form of document that does not conform to the standard one or two column layout. As this package defines its own system of minitocs, it is *incompatible* with the `minitoc` package. W0097
- fmk** An example of shell script to prepare the french documentation of the `minitoc` package. The script `imk` must have been run previously. See item 10 on page 249.
- fncychap** The `fncychap` package [301] provides a set of commands for changing the format used for some headings (chapters) in the standard L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> document classes: `book` and `report`. It must be loaded *before* the `minitoc` package (see point 1.8 on page 56 and section 2.38 on page 78). W0086
- fr.comp.text.tex** The Usenet newsgroup about T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X, in french.
- franc.sty** A small package file used to prepare the french documentation. It is generated when compiling `minitoc.ins`.
- frbib.sty** A small package file used to prepare the bibliography of the french documentation. It is generated when compiling `minitoc.ins`.
- fr-mtc.bst** A bibliographic style file used to prepare the bibliography of the french documentation. It has been updated from the standard `plain.bst` for french by Ronan KERYELL, then I added some adaptations for french (like last names in small caps for authors and editors, years in old style digits), then modified with the `urlbst` [196] tool to add an URL field.
- frnew.sty** A small package file used to prepare the french documentation. It is generated when compiling `minitoc.ins`.

## G

- geometry** The `geometry` package [447] provides a flexible and complete user interface to page dimensions. You can specify them by using intuitive parameters to get your

desired page layout. For instance, if you want to set margins (the left, right, top and bottom margins) to 2cm from each edge of the paper, what you need is just:

```
\usepackage[margin=2cm]{geometry}
```

This powerful (and recommended) package is used in some example documents and in this documentation.

**guarani** A  $\LaTeX$  package to compose text in Guaraní, the main language spoken in Paraguay. The file `guarani.ldf`, included in this package, defines the titles. See [45] and section 13.74 on page 549.

## H

**hangcaption** The `hangcaption` package [250] defines a variant of the `\caption` command to produce captions with hanging indentation. This package is likely obsolete (1992,  $\LaTeX$ 2.09).

W0092

**Hindi** For the Hindi language, see the `Devanāgarī` package [364] above. The `minitoc` package accepts the `devanagari` and `hindi` language options, which are synonyms. A `hindi-modern` language option is also available. See also [148] about the Hindi language.

**hint** An indication, a clue to detect a problem. It is also a message written (into the `document.log` file) by the `hints` option (see below).

**hints** An option of the `minitoc` package. It verifies the loading order of some packages, the invocation order of some `minitoc` commands, the consistency between main `minitoc` commands, etc., and gives warnings and other useful hints (mainly in the `document.log` file). This is a default option (use the `nohints` option to skip these checks).

**HL $\LaTeX$**  A system to write documents in the Korean language, using *Lambda* ( $\Lambda$ ) (see below). Written by Un KOAUNGH1 [266, in korean]. It uses special Hangŭl or Hanja fonts and the UTF-8 input encoding.

**hyperlink** In a document, a reference to another object which is dynamically found (via a click with the mouse). This requires a special type of document (PDF, PostScript with hypertext features) and a suitable viewer (PDF viewer, recent PS viewer). This is useful to navigate in a document or in many documents, which can be remote documents.

**hyperref** The `hyperref` package [390] is used to emend cross-referencing commands in  $\LaTeX$  to produce some sort of `\special` commands; there are backends for the `\special` set defined for `Hyper $\TeX$`  dvi processors, for embedded `pdfmark` commands for processing by Acrobat Distiller (`dvips` and `dvipsone`), for `dviwindo`, for `pdf $\TeX$` , for  `$\TeX$ 4ht`, and for `V $\TeX$` 's `pdf` and `HTML` backends.

W0023

W0028

W0030

W0039

This package derives from, and builds on, the work of the `Hyper $\TeX$`  project, described in [371]. It extends the functionality of all the  $\LaTeX$  cross-referencing commands (including the table of contents, bibliographies, etc.) to produce

`\special` commands which a driver can turn into hypertext links; it also provides new commands to allow the user to write *ad hoc* hypertext links (hyperlinks), including those to external documents and URLs.

## I

**ifmtarg** The `ifmtarg` package [483] provides an if-then-else command for testing if a macro argument is empty (“empty” meaning zero or more spaces only).

**ifthen** The `ifthen` package [118] implements an `\ifthenelse` command for  $\LaTeX 2_{\epsilon}$ .

**imk** An example of shell script, which prepares the `minitoc` package from `minitoc.ins` and `minitoc.dtx`; note that `imk` must be run before running `emk` or `fmk`. See item 10 on page 249.

**insection** The `insection` package option loads the `placeins` package [15] with adequate options to avoid the floats (like figures and tables) to drift outside of their sections. This package option is recommended if you use `sectlofs` or `sectlots` in your document. See section 1.2 on page 33.

W0056

**insertion** The insertion commands of the `minitoc` package insert a mini-table in the document. A corresponding *preparation* command must have been invoked (only once) before. The insertion commands are (see table 3.9 on page 90):

```
\parttoc, \partlof, \partlot,
\minitoc, \minilof, \minilot,
\secttoc, \sectlof, \sectlot,
\mtcprepare
```

**INSTALL** A text file describing the installation of the `minitoc` package. See chapter 7 on page 245.

## J

**\jobname** A  $\TeX$  primitive containing the name of the document in preparation, i.e., the name of the file read first by  $\TeX$  (or  $\LaTeX$ ), without its extension. Very useful to build the names of other files.

**jura** The `jura` class [103], by Felix BRAUN, is *incompatible* with the `minitoc` package. It is used for german judicial documents.

W0029

## K

**Kannada $\TeX$**  A project [485] to use  $\LaTeX$  for typesetting in the Kannada language. See section 13.101 on page 567.

**k-loose** A minitoc package option useful if your document is written with one of the KOMA-Script classes [343, 344, 399]. This option tries to set a loose line spacing in the mini-tables. Analog to the `loose` package option for standard classes.

**k-tight** A minitoc package option useful if your document is written with one of the KOMA-Script classes [343, 344, 399]. This option tries to set a tight line spacing in the mini-tables. Analog to the `tight` package option for standard classes.

**KOMA-Script** KOMA-Script [343, 344, 399] is a very complex bundle. You may see this, because it is not only one class or one package but a bundle of many classes and packages. The classes (`scrartcl`, `scrbook`, `scrlettr`, `scrlttr2`, and `scrrprt`) are counterparts to the standard classes but never they come with only the same commands, environments, options and optional possibilities like the standard classes nor they result in the same look-a-like.

I0043

The `scrbook`, `scrrprt`, and `scrartcl` classes are compatible with the minitoc package, with some precautions (see section 1.5.5 on page 53). The `scrlettr` and `scrlttr2` have no sectioning commands, so the minitoc package is pointless with them.

KOMA-Script comes with a lot of classes, packages, commands, environments and possibilities. Some of these you may find also at the standard classes, many of them you wouldn't. Some are even supplements to the  $\LaTeX$  kernel.

The main classes of the KOMA-Script bundle are designed as counterparts to the standard  $\LaTeX$  classes. This means that the KOMA-Script bundle contains replacements for the three standard classes `book`, `report`, and `article`. There is also a replacement for the standard class `letter`.

## L

**Lambda** The  $\LaTeX$  format (in the  $\TeX$  meaning of that word) adapted to the special features of Omega ( $\Omega$ ) is called “*Lambda*” ( $\Lambda$ ).

**Lamed** The  $\LaTeX$  format (in the  $\TeX$  meaning of that word) adapted to the special features of Aleph ( $\aleph$ ) is called “*Lamed*” ( $\beth$ ).

**$\LaTeX$**   $\LaTeX$  [279] is a typesetting system that is very suitable for producing scientific and mathematical documents of high typographical quality. It is also suitable for producing all sorts of other documents, from simple letters to complete books.  $\LaTeX$  uses  $\TeX$  [263, 265] as its formatting engine (from [356]).

In fact,  $\LaTeX$  is a macro package that enables authors to typeset and print their work at the highest typographical quality, using a predefined, professional layout.  $\LaTeX$  was originally written by Leslie LAMPORT [279]. It uses the  $\TeX$  formatter as its typesetting engine. These days  $\LaTeX$  is maintained by Frank MITTELBACH and his team.

In 1994 the  $\LaTeX$  package was (deeply) updated by the  $\LaTeX$ 3 team, led by Frank MITTELBACH, to include some long-requested improvements, and to reunify all the patched versions which had cropped up since the release of  $\LaTeX$ 2.09 some years earlier. To distinguish the new version from the old, it is called  $\LaTeX$ 2 $\epsilon$ .



$\LaTeX$  is pronounced “Lay-tech” or “Lah-tech.” If you refer to  $\LaTeX$  in an ASCII environment, you type LaTeX.  $\LaTeX 2_{\epsilon}$  is pronounced “Lay-tech two e” and typed LaTeX2e.

**$\LaTeX 2.09$**  An obsolete version of the  $\LaTeX$  program, before 1994; it is no more supported. Do not use it<sup>6</sup>. Use the current version of  $\LaTeX 2_{\epsilon}$ , which is supported and much more efficient.

**$\LaTeX 2_{\epsilon}$**  The current version of the  $\LaTeX$  program, after 1994; it is supported.

**$\LaTeX 3$**  The future version of  $\LaTeX$ , whose development is still in progress.

**leaders** A repetitive sequence of dots (or of one another small character), regularly spaced, used to link two objects on the same line (leading from a title to a page number in a table of contents or the like).

**letter** A standard document class [283] to prepare letters for postal mail (mail on paper). As such documents have no sectioning commands nor structure, the minitoc package is pointless (hence *incompatible*) with them.



**lipsum** The lipsum package [212] allows to easily insert sentences in a test file with a minimum of typing. The sentences are in latin but are modified and made nearly senseless. I have used this package in some of the examples of documents. See also <http://lipsum.com> for the origin of this text (pieces of *De Finibus Bonorum et Malorum* by Marcus TULLIUS CICERO).

**listfiles** An option of the minitoc package. It creates a list of the minitoc auxiliary files (these files contains the mini-tables and may be removed after the  $\LaTeX$  run) in the *document.maf* file. Default. See section 1.7 on page 55.

**LOF, LoF** An acronym for “list of figures”.

**lofdepth** This counter, if it exists, contains the depth of the list of figures.

**loose** An option of the minitoc package. It gives a loose line spacing in the mini-tables. It is the default. The opposite option is **tight**.

**LOT, LoT** An acronym for “list of tables”.

**lotdepth** This counter, if it exists, contains the depth of the list of tables.

**LPPL** The *LaTeX Project Public License*, available at

<http://www.latex-project.org/lppl.txt>

Its current version is 1.3 (2003-12-01). The minitoc package is distributed under this license.

**ltxdoc** A standard  $\LaTeX$  document class [116], for preparing the documentation of a package or of a class. For the minitoc package, it is very similar to the article document class; see above.

**ltnews** A standard  $\LaTeX$  document class [248], for preparing the announcement of a  $\LaTeX$  release. For the minitoc package, it is very similar to the article document class; see above.

<sup>6</sup> Except in the case of a very old document; if possible, try to convert it.

## M

**\makeatletter** and **\makeatother** Many<sup>7</sup> internal commands of L<sup>A</sup>T<sub>E</sub>X, of packages and classes contain the @ character in their names. This effectively prevents such names from being used in documents for user-defined commands. However, it also means that they cannot appear in a document, even in the preamble, without taking special precautions. As it is sometimes necessary to have such bits of “internal code” in the preamble, the commands `\makeatletter` and `\makeatother` make it easy to do: the difficult bit is to remember to add them, failure to do so can result in some strange errors. And these two commands *should never be used in a package or class file*.



**makefile** A special text file containing instructions describing the creation and the installation of a piece of software, using the “**make**” utility; **make** is a nice tool coming from the Unix operating system, but variants exists.

**mcaption** The `mcaption` package [228] provides a `margincap` environment for putting captions in the outer document margin with either a top or bottom alignment.

W0036

**MCE** A minimal [complete] example is the smallest possible complete document that illustrates a problem. A minimal example file should not include any packages or code that do not contribute to the problem, but must include a document class and the document environment (from [432]). See also [384], <http://www.tex.ac.uk/cgi-bin/texfaq2html?label=minxmpl> and <http://www.tex.ac.uk/cgi-bin/texfaq2html?label=askquestion> for good advices.

**memoir, memoir.cls** A very general and powerful document class (by Peter R. WILSON, described in [479, 481, 482]); this class is compatible with the `minitoc` package (with some precautions) if you use a recent version. See section 2.22 on page 68.

E0028
I0020
I0027
I0030
I0032
I0044
M0001

**mini-bibliography** See `minibbl` below.

**mini-list** Synonym for “mini-table” below.

**mini-lof** See “minilof” below.

**mini-lot** See “minilot” below.

**mini-table** This term refers to a local table of contents (like a table of contents, a list of figures or a list of tables) for a sectioning unit (part, chapter or section), by opposition to a global table (the table of contents, the list of figures or the list of tables for the whole document). The main aim of the `minitoc` package is the creation of such mini-tables. But the term “minitoc” is also used to refer to such mini-table, as a generic term, because the first versions of the package allowed only tables of contents for chapters.

**mini-toc** See “minitoc” below.

**minibbl** Short for “mini-bibliography”, i.e., to have a bibliography per part, chapter or section, or even by theme or subject. This is out of the domain of the `minitoc` package. See section 2.9 on page 63.

<sup>7</sup> Informations from [330, page 843].

- minilof** A list of figures for a chapter.
- minilofdepth** This counter, if defined, contains the depth of the minilofs.
- minilot** A list of tables for a chapter.
- minilotdepth** This counter, if defined, contains the depth of the minilots.
- minitoc** A table of contents for a chapter. Also used as a generic term for any mini-table (see “mini-table” above).
- minitoc-fr.bib** A bibliographic data base for the french documentation of the minitoc package.
- minitoc-fr.dtx** The source file for the french documentation of the minitoc package. In fact, it just sets `\jobname` then loads `minitoc.dtx`, which itself loads `\jobname.lan` to select the language used in `minitoc.dtx`; `minitoc.dtx` contains both english and french documentation fragments, selected by `\ifcase` constructs with the `\LANG` variable, set to 0 by `minitoc.lan` or to 1 by `minitoc-fr.lan` (i.e., by `\jobname.lan`). `minitoc-fr.dtx` is generated when compiling `minitoc.ins`.
- minitoc-fr.ist** This file contains a style for forming the index in the french documentation. It is generated when compiling `minitoc.ins`.
- minitoc-fr.lan** A file used to force the french language in the documentation. It is generated when compiling `minitoc.ins`.
- minitoc-fr.pdf** The french documentation in PDF format.
- minitoc-fr.ps** The french documentation in PostScript format. No more distributed (but look at the `cmk` script).
- minitoc.bib** A bibliographic data base for the english documentation of the minitoc package.
- minitoc.bug** A plain text file containing a list of problems and questions about the minitoc package. See chapter 2 on page 59.
- minitocdepth** This counter contains the depth of the minitocs.
- minitoc.dtx** The file containing the documentation and the commented code of the minitoc package.
- minitoc-hyper.sty** A special version [454] of the minitoc package which has been prepared by Bernd JAEHNE, Didier VERNA and A. J. “Tony” ROBERTS to work with the powerful `hyperref` package [390]; Heiko OBERDIEK has integrated their work so since version #31, minitoc is compatible with `hyperref`. *Hence the minitoc-hyper package [454] is now obsolete and should no more be used. It is still present on the CTAN archives for compatibility with old documents.*
- minitoc.ins** The installation file for the minitoc package. Compiling it with  $\text{\LaTeX}$  produces most of the files of the minitoc package.
- minitoc.ist** This file contains a style for forming the index in the english documentation. It is generated when compiling `minitoc.ins`.



- minitoc.l** A text file containing the list of all the files being included in the minitoc package. Files not listed in `minitoc.l` are files used only to install the package or to produce its documentation.
- minitoc.lan** A file used to force the english language in the documentation. It is generated when compiling `minitoc.ins`.
- minitoc.pdf** The english documentation in PDF format.
- minitoc.pre** This file contains a  $\LaTeX$  preamble for the documentation. It is generated when compiling `minitoc.ins`.
- minitoc.ps** The english documentation in PostScript format. No more distributed (but look at the `cmk` scripts).
- minitoc.sty** This file contains the main part of the minitoc package, with comments removed. It is generated when compiling `minitoc.ins`.
- minitoc.sum** A plain text file containing a commented list of the minitoc commands and environments. See chapter 3 on page 83.
- minitoc.tds.zip** A ZIP archive of a TDS-compliant hierarchy containing all files in the minitoc package.
- minutes** The minutes package [300] (by Knut LICKERT) is used to prepare conference proceedings. The minitoc package allows to add “coffee breaks” in the table of contents via commands like `\addcoffeeline` and `\coffeeline` (and internal commands) whose names contain the string “coffee”, hence the footnote about “cappuccino” ☹ in the installation chapter! <sup>8</sup>
- MonTeX** MonTeX [137, 140] is a large package to prepare documents in various dialects of the Mongol language (Bicig and Bicig2, Mongol, Bithe and Manju, Buryat, Xalx and Khalkha) and in a dialect of Russian used in Mongolia (Russianc). Bicig is another name for Uighur. You can find many things about Mongolia and Mongolian at the web site [139]. See also:

[http://en.wikipedia.org/wiki/Mongolian\\_writing\\_systems](http://en.wikipedia.org/wiki/Mongolian_writing_systems)  
[http://en.wikipedia.org/wiki/Mongolian\\_language](http://en.wikipedia.org/wiki/Mongolian_language)  
[http://en.wikipedia.org/wiki/Mongolian\\_script](http://en.wikipedia.org/wiki/Mongolian_script)  
[http://en.wikipedia.org/wiki/Clear\\_script](http://en.wikipedia.org/wiki/Clear_script)  
<http://www.indiana.edu/~mongsoc/mong/language.htm>  
<http://www.viahistoria.com/SilverHorde/main.html?research/MongolScripts.html>  
[http://www.krysstal.com/writing\\_evolution.html](http://www.krysstal.com/writing_evolution.html)  
<http://mongolxel.webz.cz/qaguchin/index.htm>

The following description is extracted from [140].

MonTeX is a package which offers support for writing documents in Mongolian, Manju, Buryat and Russian.

Mongolian can be represented in traditional Uighur script (also known as Classical or Traditional Script) and Cyrillic. Manju resembles the Traditional Mongolian script (from which it is derived) but uses a rich choice of diacritics in order to eliminate numerous ambiguities of the Mongolian script ancestor. Modern Buryat, like Mongolian in its present form, is written with a Cyrillic alphabet, but both

## МОНГОЛ

Mongolian (35 letters) and Buryat (36 letters) use more letters than Russian (33 letters).

**Mongolian** The word *Mongolian* is actually an umbrella term for several languages rather than the precise name of a single language. Things become more complicated when names of ethnic groups, languages and writing systems are mixed.

**Xalx** or Khalkha is the name of the Mongolian nationality residing in Mongolia proper. Their dialect forms the basis of Mongolian written with Cyrillic letters. Throughout this text, *Modern Mongolian* is used as a synonym.

**Buryat** is the name of the Mongolian nationality residing in Buryatia, north of Mongolia, east of Lake Baikal, being a part of the Russian Federation. The Buryats call themselves *Buryaad* while Xalx Mongolians call them *Buriad*. The English name follows the Russian orthography. Linguistically, Xalx and Buryat Mongol are fairly close languages; Buryat has a slightly different sound system in which the phoneme /s/ partially shifted to /h/; the modern Buryat Cyrillic alphabet (virtually identical with the Cyrillic alphabet used for writing Modern Mongolian) has one additional letter (H/h, \xa1x{H/h}) for marking the difference to /s/.

**Bicig** (literally *script* in Mongolian) denotes text written in the traditional Mongolian script which is also referred to as Uighur. Throughout this document, the term *Bicig* will be used on an equal footing with *Classical* and *Traditional* Mongolian. The latter term is used in the names of the Unicode/ISO10646 character plane U1800 which contains Mongolian, Manju, Sibe and sets of special characters called Ali Gali or Galig. In order to identify Mongolian script related commands distinct for Mongolian and Manju, the Mongolian commands have the name root `bicig` whereas the Manju commands have the name root `bi`.

Xalx Mongolian, or Modern Colloquial Mongolian, is about as different from the form written in Classical script as modern English in phonetical spelling (assume it be written in Shavian letters) from the highly historical orthography of Standard English. Beyond these differences, Mongolian written in Classical Script usually preserves a substantial amount of historical grammatical features which make it look a bit like Elizabethan English.

**Manju** Manju is a Tungusic language closely related to Mongolian. Though Manju is virtually not spoken anymore, it has been the official language during 300 years of Manju government in Qing Dynasty China. Vast amounts of official documents survive, as well as some of the finest multilingual dictionaries ever compiled, e. g. the Pentaglot, or Mirror in Five Languages, a dictionary with 18671 entries in five languages (Manju, Tibetan, Mongolian, Uighur and Chinese). See [138] for more details. Manju writing is derived from Uighur Mongolian by adding diacritics in the form of dots and circles (*tongki fuka sindaha hergen*, script with dots and circles).

**MS-DOS** (Microsoft® Disk Operating System) An old operating system for personal computers (PCs). From the minitoc point of view, its main drawback is the use of filenames with short extensions (the “8+3” scheme), which limits to 99 the number of mini-tables for each kind.

<sup>8</sup> The little cups ☛ come from the marvosym package [227].

- mtc-2c.tex** An example file showing the use of the `minitoc` package with a two columns page layout. See section 4.1 on page 94.
- mtc-2nd.tex** An example of document using the `minitoc` package and its `french2` language option. See section 4.2 on page 95.
- mtc-add.bib** A small bibliographic data base for the `mtc-add.tex` and `mtc-ads.tex` example documents. See section 4.4 on page 99.
- mtc-3co.tex** An example of document using the `minitoc` package to prepare a `minitoc` on three columns. See section 4.3 on page 96.
- mtc-add.tex** An example document showing how to use `\mtcaddchapter` and the `tocbibind` package [472] with `minitoc`. See section 4.4 on page 99.
- mtc-ads.tex** An example document showing how to use `\mtcaddsection` and the `tocbibind` package [472] with `minitoc`. See section 4.5 on page 103. It also shows how it is challenging to manage the mini-lists of floats at the section level.
- mtc-amm.tex** An example file showing the use of the `appendices` environment in a memoir class document with the `minitoc` package. See section 4.6 on page 108.
- mtc-apx.tex** An example file showing the use of the `mtchideinmaintoc` environment to hide the entries of the `appendices` in the main TOC and to create a part-level TOC for the `appendices`. See section 2.25 on page 70.
- mtc-art.tex** An example of document (article class) using the `minitoc` package. See section 4.8 on page 108.
- mtc-bk.tex** An example of document (book or report class) using the `minitoc` package. See section 4.9 on page 113.
- mtc-bo.tex** An example file showing the use of the `minitoc` package with a two columns page layout and using the `tocloft` package [469]. See section 4.10 on page 118.
- mtc-ch0.tex** An example file showing the use of the `minitoc` package in a document with a starred first chapter. See section 4.11 on page 122.
- mtc-cri.tex** An example file showing the use of the `minitoc` package with starred parts and chapters. See section 4.12 on page 124.
- mtc-fko.tex** An example file showing the problem of fonts in `minitocs` when using the `scrbook` class. See section 4.13 on page 124.
- mtc-fo1.tex** An example file showing the use of the `minitoc` package with changing some fonts. See section 4.14 on page 125.
- mtc-fo2.tex** Another example file showing the use of the `minitoc` package with changing some fonts. See section 4.15 on page 126.
- mtc-gap.tex** An example file showing the use of the `\mtcgapbeforeheads` and `\mtcgapafterheads` commands. See section 2.44 on page 79.
- mtc-hi1.tex** An example file showing the use of the `mtchideinmainlof` and `mtchideinmainlot` specialized environments. See section 2.25 on page 71.

**mtc-hi2.tex** An example file showing the use of the following pairs of commands:

- `\mtchideinmainlof` and `\endmtchideinmainlof`,
- `\mtchideinmainlot` and `\endmtchideinmainlot`.

See section 2.25 on page 72.

**mtc-hia.tex** An example file showing the use of the `minitoc` package to hide the entries for some tables in the main list of tables of an article class document. See section 4.19 on page 128.

**mtc-hir.tex** An example file showing the use of the `minitoc` package to hide the entries for some tables in the main list of tables of a report class document. See section 4.20 on page 129.

**mtc-hop.tex** An example file showing the use of the `minitoc` package with the `scrbook` document class. See section 4.21 on page 130.

**mtc-liv.tex** An example file showing the use of the `minitoc` package in a book with customized table of contents and `minitocs`. See section 4.22 on page 131.

**mtc-mem.tex** An example file showing the use of the `minitoc` package with the memoir class. See section 4.23 on page 135.

**mtc-mm1.tex** An example file showing the use of the `minitoc` package with the memoir class, if you want to change some fonts. See section 4.24 on page 135.

**mtc-mu.tex** A document using a `minitoc` set in a `wrapfigure` environment with the `wrapfig` package [18]. See section 4.25 on page 137.

**mtc-nom.tex** A document showing an interaction between the `minitoc` package and the `nomncl` package [456]. See section 4.26 on page 138.

**mtc-ocf.tex** A document using the `open` and `close` features to prepare a `minitoc` on three columns. See section 4.27 on page 140.

**mtc-ofs.tex** A document using the `open` and `close` features to prepare a `minitoc` on three columns and `\mtcsetoffset` to shift the `minitoc` to align it on the left. See section 4.28 on page 141.

**mtc-sbf.tex** An example file showing the use of the `minitoc` package with the `subfigure` package [130]. See section 4.29 on page 143.

**mtc-scr.tex** An example file showing the use of the `minitoc` package with a KOMA-Script class [343, 344, 399], `scrreprt`. See section 4.30 on page 144.

**mtc-syn.tex** An example file showing the use of the `minitoc` package when the table of contents is preceded by some starred chapters. See section 4.31 on page 146.

**mtc-tbi.tex** An example file showing the use of the `minitoc` package with the `tocbibind` package [472]. See section 4.32 on page 147.

**mtc-tlc.tex** An example file showing the use of the `minitoc` package in a document of article class. It is the example of [330, page 58], modernized. See section 4.33 on page 148.

- mtc-tlo.tex** An example file showing the use of the minitoc package with the tocloft package [469] and their interaction about the page numbers in the mini-tables. See section 2.46 on page 82.
- mtc-tsf.tex** An example file showing the use of the minitoc package with the subfig package [132]. See section 4.35 on page 149.
- mtc-vti.tex** An example file showing the use of the `\mtcpolymtoc` command and explaining “polymorphic entries”. See section 4.36 on page 151.
- mtcmess** A package used to provide variants of the standard commands `\PackageInfo`, `\PackageWarning`, `\PackageWarningNoLine`, and `\PackageError` by adding an optional argument for an unique message identifier.
- mtcoff** A package which is used in place of the minitoc package to ignore all the commands and environments of the minitoc package. In fact, it defines them to do nothing. Useful if you want a version of your document without any mini-table.
- mtcpatchmem** A small package which is automatically loaded if necessary when you use the memoir document class with a version *incompatible* with the minitoc package, but correctible. It is generated when compiling `minitoc.ins`.
- mu** A length unit normally used in math mode (`\mu` means “math unit”); 18 math units make 1em (one quad), which is about the width of a “m” in the current font. So the size of 1mu is font dependent. The separation between dots in the dotted lines in the mini-tables is expressed in math units.
- multibib** The multibib package [211] allows to create references to multiple bibliographies within one document. It thus provides a complementary functionality to packages like bibunits [210] or chapterbib [19], which allow to create one bibliography for multiple, but different parts of the document.
- multicol** The multicol package [325] defines the `multicols` environment (with a “s”) to typeset text on several columns. Used in some example documents.
- multitoc** This package [414] allows setting only the table of contents, list of figures and/or list of tables in two or more columns (using the multicol package [325], of course). The number of columns can be configured via commands; the multicolumn toc(s) can be selected via package options. The `mtc-3co.tex` example document uses this package; see section 4.3 on page 96.



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## N

- natbib** It is a  $\LaTeX$  2 $\epsilon$  (but with some support for  $\LaTeX$  2.09) package [145, 146] to act as generalized interface for standard and non-standard bibliographic style files (BIB $\TeX$ ).
- needspace** The needspace package [468] provides commands to reserve space at the bottom of a page. If there is not enough space on the current page (column) a new page (column) is started.



**NFSS** The *New Font Selection Scheme*. The  $\LaTeX 2_{\epsilon}$  font selection system [291] was first released as the “New Font Selection Scheme” (NFSS) in 1989, and then in release 2 in 1993.  $\LaTeX 2_{\epsilon}$  includes NFSS release 2 as standard.

Every text font in  $\LaTeX$  has five *attributes*:

**encoding** This specifies the order that characters appear in the font. The two most common text encodings used in  $\LaTeX$  are  $\text{K}\text{N}\text{U}\text{T}\text{H}$ ’s “ $\text{T}\text{E}\text{X}$  text” encoding (OT1), and the “ $\text{T}\text{E}\text{X}$  text extended” encoding (T1) developed by the  $\text{T}\text{E}\text{X}$  Users Group members during a  $\text{T}\text{E}\text{X}$  Conference at Cork in 1990 (hence its informal name “Cork encoding”). See [292, 323].

**family** The name for a collection of fonts, usually grouped under a common name by the font foundry. For instance, “Adobe Times”, “ITC Garamond”, and  $\text{K}\text{N}\text{U}\text{T}\text{H}$ ’s “Computer Modern Roman” are all font families.

**series** How heavy or expanded a font is. For instance, “medium weight”, “narrow” and “bold extended” are all series.

**shape** The form of the letters within a font family. For instance, “italic”, “oblique” and “upright” (sometimes called “roman”) are all font shapes.

**size** The design size of the font, for instance “10pt”.

The possible values for these attributes are given short acronyms by  $\LaTeX$ . The most common values for the font encoding are given in table 6.6 on the next page.

The “local” encodings are intended for font encodings which are only locally available, for instance a font containing an organisation’s logo in various sizes.

There are far too many font families to list them all, but some common ones are listed in table 6.7 on the following page. The most common values for the font series are listed in table 6.8 on the next page. The most common values for the font shape are listed in table 6.9 on page 235. The most common values for the font width are listed in table 6.10 on page 235.

The font size is specified as a dimension, for instance 10pt or 1.5in or 3mm; if no unit is specified, pt is assumed. These five parameters specify every  $\LaTeX$  font, see table 6.11 on page 235, for instance.

These five parameters are displayed whenever  $\LaTeX$  gives an overfull box warning, for instance:

```
Overfull \hbox (3.80855pt too wide) in paragraph at lines
314--318
[]\OT1/cmr/m/n/10 Normally [] and [] will be iden-ti-cal,
```

The table 6.12 on page 235 lists the author commands for fonts which set these five attributes<sup>9</sup>.

**nocheckfiles** A package option of `minitoc`. The opposite of the `checkfiles` package option (see above).

**nohints** A package option of `minitoc`. The opposite of the `hints` package option (see above).

<sup>9</sup> The values used by these commands are determined by the document class.

Table 6.6: Most common font encodings

Encoding	Description
T1	$\LaTeX$ extended text (“Cork encoding”)
TS1	$\LaTeX$ symbols (Latin)
T2A, T2B, T2C	$\LaTeX$ text (Cyrillic)
T3	$\LaTeX$ phonetic alphabet
TS3	$\LaTeX$ phonetic alphabet (extra symbols)
T4	$\LaTeX$ text (African languages)
T5	$\LaTeX$ text (Vietnamese)
T7	$\LaTeX$ text (reserved for Greek)
OT1	$\TeX$ text (as defined by Donald E. KNUTH)
OT2	$\TeX$ text for Cyrillic languages (obsolete)
OT3	International phonetic alphabet (obsolete)
OT4	$\TeX$ text with extensions for the Polish language
OT6	$\TeX$ text with extensions for the Armenian language
OML	$\TeX$ math italic (Donald E. KNUTH)
OMS	$\TeX$ math symbols (Donald E. KNUTH)
OMX	$\TeX$ math large symbols (Donald E. KNUTH)
X2	$\LaTeX$ extended text (Cyrillic)
U	Unknown
L<xx>	A local encoding
L7x	Encoding used for the Lithuanian language
LTH	Encoding used for the Thai language
LV1	Encoding used with some $\text{VTeX}$ fonts
LY1	Alternative to T1 encoding, for Y&Y software
PD1	Implements the PDFDocEncoding for use with $\LaTeX 2_{\epsilon}$ ’s NFSS.
PU	Implements the Unicode encoding for use with $\LaTeX$ ’s NFSS.

Table 6.7: Most common font families

Family	Description
cmr	Computer Modern Roman
cmss	Computer Modern Sans
cmtt	Computer Modern Typewriter
cmn	Computer Modern Math Italic
cmsy	Computer Modern Math Symbols
cmex	Computer Modern Math Extensions
ptm	Adobe Times
phv	Adobe Helvetica
pcr	Adobe Courier
lazy	Additional $\LaTeX$ symbols

Table 6.8: Most common font series

Series	Description
ul	Ultra light
el	Extra light
l	Light
sl	Semi light
m	Medium
sb	Semi bold
b	Bold
eb	Extra bold
bx	Bold extended
ub	Ultra bold
c	Condensed

Table 6.9: Most common font shapes

Shape	Description
n	Normal (that is “upright” or “roman”)
it	Italic
sl	Slanted (or “oblique”)
sc	Caps and small caps
u	Unslanted (upright italic)

Table 6.10: Most common font widths

Width	%	Description
uc	50.0	Ultra condensed
ec	50.0	Extra condensed
c	50.0	Condensed
sc	50.0	Semi condensed
m	50.0	Medium
sc	50.0	Semi extended
c	50.0	Extended
ec	50.0	Extra extended
uc	50.0	Ultra extended

Table 6.11: The five font parameters of some fonts

L <sup>A</sup> T <sub>E</sub> X specification					Font	T <sub>E</sub> X name
OT1	cmr	m	n	10	Computer Modern Roman 10 point	cmr10
OT1	cmss	m	sl	1pc	Computer Modern Sans Oblique 1 pica	cmssi12
OML	cmm	m	it	10pt	Computer Modern Math Italic 10 point	cmmi10
T1	ptm	b	it	1in	Adobe Times Bold Italic 1 inch	ptmb8t at 1in

Table 6.12: Author commands for fonts

Author command	Attribute	Value in article class
<code>\textrm...</code> or <code>\rmfamily</code>	family	cmr
<code>\textsf...</code> or <code>\sffamily</code>	family	cmss
<code>\texttt...</code> or <code>\ttfamily</code>	family	cmtt
<code>\textmd...</code> or <code>\mdseries</code>	series	m
<code>\textbf...</code> or <code>\bfseries</code>	series	bx
<code>\textup...</code> or <code>\upshape</code>	shape	n
<code>\textit...</code> or <code>\itshape</code>	shape	it
<code>\textsl...</code> or <code>\slshape</code>	shape	sl
<code>\textsc...</code> or <code>\scshape</code>	shape	sc
<code>\tiny</code>	size	5pt
<code>\scriptsize</code>	size	7pt
<code>\footnotesize</code>	size	8pt
<code>\small</code>	size	9pt
<code>\normalsize</code>	size	10pt
<code>\large</code>	size	12pt
<code>\Large</code>	size	14.4pt
<code>\LARGE</code>	size	17.28pt
<code>\huge</code>	size	20.74pt
<code>\Huge</code>	size	24.88pt
<code>\textnormal</code>	normal	normal text

**nolistfiles** An option of the `minitoc` package. It is the opposite of the `listfiles` above. See section 1.7 on page 55.

**notoccite** This option of the `minitoc` package loads the `notoccite` package [14] (by Donald ARSENEAU). It avoids problems with `\cite` commands in sectioning commands or captions. See section 1.6 on page 55.

## O

**Omega** The Omega typesetting system<sup>10</sup> ( $\Omega$ ) (by Yannis HARALAMBOUS and John PLAICE) is an extension of  $\TeX$  that is aimed primarily at improving  $\TeX$ 's multilingual abilities.

When the  $\TeX$  program was originally developed in the mid seventies [*circa* 1975] by Professor Donald E. KNUTH it was mainly aimed at typesetting mathematical texts in the english language. Since then  $\TeX$  has made inroads in broader and broader areas of scientific, literary and other scholarly activities in many countries all over the world. In 1991, KNUTH froze  $\TeX$ , mainly in the interest of stability. However, he allows the  $\TeX$  code to be used as the basis for further developments, so long as the resulting system is distributed under a different name.

In Omega all characters and pointers into data-structures are 31-bit wide, instead of 8-bit, thereby eliminating many of the trivial limitations of  $\TeX$ . Omega also allows multiple input and output character sets, and uses programmable filters to translate from one encoding to another, to perform contextual analysis, etc. Internally, Omega uses the universal Unicode/ISO-10646 character set. Omega also includes support for multiple writing directions.

These improvements not only make it a lot easier for  $\TeX$  users to cope with multiple or complex languages, like Arabic, Indic, Khmer, Chinese, Japanese or Korean, in one document, but also form the basis for future developments in other areas, such as native color support and hypertext features.

The  $\LaTeX$  format (in the  $\TeX$  meaning of that word) adapted to the special features of Omega is called “*Lambda*” ( $\Lambda$ ). Extending Omega with the  $\varepsilon$ - $\TeX$  [105] extensions is a separate project, known as “*Aleph*” ( $\aleph$ ) [49, 201] and led by Giuseppe BILOTTA. The  $\LaTeX$  for Aleph is known as “*Lamed*” ( $\beth$ ). There is an experimental system, named `LUAT $\TeX$`  [230, 231], which will regroup `PDF $\TeX$` , Aleph,  $\varepsilon$ - $\TeX$  and other developments. A promising development is `X $\TeX$`  [256] by Jonathan KEW, with `X $\LaTeX$` .

**open** A type of *feature* (see this term) which is executed immediately before (*open*) the insertion of the auxiliary file for a given type of mini-table. Look at the documentation of the `\mtcsetfeature` command, in section 1.10 on page 51. See the `mtc-ocf.tex` example file, in section 4.27 on page 140.

<sup>10</sup>Most but not all of this note is taken in the Omega documentation [217, 218, 221, 378, 379]. See <http://omega.enstb.org/> for more information.

Table 6.13: Some systems derived from T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X

$$\begin{array}{rcccl}
 \text{T}_{\text{E}}\text{X} & \rightarrow & \mathbf{\Omega} & + & \text{L}_{\text{A}}\text{T}_{\text{E}}\text{X} & \rightarrow & \mathbf{\Lambda} \\
 & & + & & & & + \\
 \text{T}_{\text{E}}\text{X} & \rightarrow & \varepsilon\text{-T}_{\text{E}}\text{X} & + & \text{L}_{\text{A}}\text{T}_{\text{E}}\text{X} & \rightarrow & \varepsilon\text{-L}_{\text{A}}\text{T}_{\text{E}}\text{X} \\
 \hline
 & & \mathbf{\aleph} & + & \text{L}_{\text{A}}\text{T}_{\text{E}}\text{X} & \rightarrow & \mathbf{\beth}
 \end{array}$$

P

**package** Packages<sup>11</sup> are a very important feature of L<sup>A</sup>T<sub>E</sub>X. These are extensions to the basic L<sup>A</sup>T<sub>E</sub>X commands that are written to files with names that end with `.sty` and are loaded with the command `\usepackage` in the preamble. Packages can be classified by their origin.

- **Core** packages (in fact, **base** and **required** packages) are an integral part of the L<sup>A</sup>T<sub>E</sub>X basic installation and are therefore fully standard.
- **Tools** packages are a set written by members of the L<sup>A</sup>T<sub>E</sub>X3 Team and should always be in the installation.
- **Graphics** packages are a standardized set for including pictures generated by other programs and for handling colors; they are at the same level as the tools packages.
- **AMS-L<sup>A</sup>T<sub>E</sub>X** packages, published by the American Mathematical Society<sup>12</sup>, should be in any installation<sup>13</sup>.
- **Contributed** packages have been submitted by actual users; certain of these have established themselves as “essential” to standard L<sup>A</sup>T<sub>E</sub>X usage, but all are useful.

**pagestyle** A type of *feature* (see this term) which is executed at each occurrence of a given type of mini-table, to force the page style to use for the current page. Look at the documentation of the `\mtcsetfeature` command, in section 1.10 on page 51.

**partlof** A list of figures for a part.

**partlofdepth** This counter, if defined, contains the depth of the partlofs.

**partlot** A list of tables for a part.

**partlotdepth** This counter, if defined, contains the depth of the partlots.

**parttoc** A table of contents for a part.

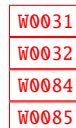
**parttocdepth** This counter contains the depth of the parttocs.

<sup>11</sup>This info is taken from [270, page 12–13] and adapted.

<sup>12</sup><http://www.ams.org>

<sup>13</sup>They are indispensable if you use a lot of mathematics.

- PDF** Portable Document Format [183]. A descendant of the PostScript language from Adobe, optimized for navigation on the Internet. It adds hypertext, font substitution, and compression features.
- placeins** The `placeins` package [15] keeps floats “in their place”, preventing them from floating past a `\FloatBarrier` command into another section. To use it, declare `\usepackage{placeins}` in the preamble and insert `\FloatBarrier` commands at places that floats should not move past, perhaps at every `\section`. The `insection` package option of the `minitoc` package does that with adequate options, and loads also the `flafter` package (described in [288] and [330, page 286]); see section 1.3.3 on page 32.
- placeins.txt** A plain text file containing the documentation of the `placeins` package [15].
- PLATEX** A version of  $\text{\LaTeX}$  customized for the polish (`polски`) language. It has been replaced by the `polски` package. See [357, 463]. But the *same* name was referring also to a version of  $\text{\LaTeX}$  customized for the japanese language,  $\text{PLATEX}_{2\epsilon}$  [239, 254].
- pmk** An example of shell script to prepare the `minitoc` package and its documentation; you should adapt it to your needs. See item 10 on page 249.
- polymorphic entry** An entry in the TOC, LOF or LOT which changes its aspect depending on the place where it appears (main TOC, minitable, etc.); see section 1.4.13 on page 46.
- PostScript** A page description language, by Adobe. It describes the appearance of a page, including elements such as text, graphics, and scanned images, to a printer or visualization device. Introduced by Adobe in 1985, it has become the language of choice in high quality printing.
- preamble** In the main file of a  $\text{\LaTeX}$  source document, the part of it between the commands `\documentclass[...]{...}` and `\begin{document}`. In the preamble, you can insert global declarations and the loading of packages via `\usepackage` commands.
- preparation** The preparation commands of the `minitoc` package prepare the auxiliary files for the mini-tables of a given type. A *preparation* command must have been invoked (only once) before any insertion command for the mini-table type. The preparation commands are (see table 3.9 on page 90):
- |   |                 |
|---|-----------------|
| <code>\doparttoc</code> , <code>\dopartlof</code> , <code>\dopartlot</code> , | (part level)    |
| <code>\dominitoc</code> , <code>\dominilof</code> , <code>\dominilot</code> , | (chapter level) |
| <code>\dosecttoc</code> , <code>\dosectlof</code> , <code>\dosectlot</code> , | (section level) |
| <code>\mtcprepare</code>  | (all levels)    |
- proc** A standard  $\text{\LaTeX}$  document class, for preparing conference proceedings. For the `minitoc` package, it is very similar to the `article` document class; see above.
- pseudo-chapter** Or starred chapter. A chapter introduced by a `\chapter*` command. By default, it has no entry in the table of contents. `\chapter*` needs some precautions with the `minitoc` package. See section 1.3.4 on page 36.



## Q

**quotchap** The quotchap package [442] provides a set of commands for adding quotations to some headings (chapters) in the standard L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> document classes: `book`, and `report`. It must be loaded *before* the minitoc package (see point 1.8 on page 56 and section 2.39 on page 78).

W0087

## R

**README** is a plain text file (english) describing briefly the minitoc package, plus some useful infos.

**report** A standard L<sup>A</sup>T<sub>E</sub>X document class [282]. It has sectioning commands: `\part`, `\chapter`, and `\section` (and below). It is compatible with the minitoc package and you can make mini-tables at the part and chapter levels (but not at the section level, to avoid too many auxiliary files).

**rmk** An example of shell script, which sorts the files of the minitoc package into classes (one directory for each class). It should be run after the scripts `imk` (mandatory) and `emk` and/or `fmk`, in that sequence. See item 10 on page 249.

**romannum** The romannum package [480] changes the numbers (for sectioning commands) generated by L<sup>A</sup>T<sub>E</sub>X from arabic digits to roman numerals. This package uses the `stdclsdv` package [466]. It must be loaded *before* the minitoc package (see point 1.8 on page 57 and section 2.40 on page 79).

W0088

**rotating** The rotating [389] package performs all the different sorts of rotation one might like, including complete figures.

**rotfloat** The packrotfloat [420] package provides commands to define new floats of various styles (`plain`, `boxed`, `ruled`, and userdefined ones); the rotating package [389] provides new environments (`sidewaysfigure` and `sidewaystable`) which are rotated by 90° or 270°. But what about new rotated floats, e.g. a rotated ruled one? This package makes this possible; it builds a bridge between both packages and extend the commands from the `float` package to define rotated versions of the new floats, too.

I0053

**rubber** `rubber` [34] is a wrapper for L<sup>A</sup>T<sub>E</sub>X and companion programs. Its purpose is, given a L<sup>A</sup>T<sub>E</sub>X source to process, to compile it enough times to resolve all references, possibly running satellite programs such as **B<sub>W</sub>T<sub>E</sub>X**, `makeindex`, `Metapost`, etc., to produce appropriate data files. It has facilities to make some post-processing cleanup actions, like deleting the auxiliary files created by minitoc.

## S

**scrartcl** See KOMA-Script above.

**scrbook** See KOMA-Script above.

**scrreprt** See KOMA-Script above.

**sectioning commands** These are the  $\LaTeX$  commands which specify the logical structure of your document. The main sectioning commands are `\part`, `\chapter`, `\section`, `\subsection`, `\subsubsection`, `\paragraph`, or `\subparagraph`. Some standard document classes have not the `\chapter` command (like the `article` and `proc` classes), some have no sectioning commands (like the `letter` class). In the later case, the `minitoc` package is pointless. If some of the `\part`, `\chapter`, or `\section` commands are not defined, the `minitoc` commands for that level are unavailable. If `\chapter` is defined, the `minitoc` commands at the section level are not defined in the current and older versions of the `minitoc` package, but if `\chapter` is not defined and `\section` is defined, then the `minitoc` commands at the section level are defined. See section 1.1.1 on page 29. In non-standard document classes, sectioning commands with non-standard names cannot be recognized by the `minitoc` package.

**sectlof** A list of figures for a section.

**sectlofdepth** This counter, if defined, contains the depth of the `sectlofs`.

**sectlot** A list of tables for a section.

**sectlotdepth** This counter, if defined, contains the depth of the `sectlots`.

**sectsty** The `sectsty` package [319] provides a set of commands for changing the font used for the various sectional headings in the standard  $\LaTeX 2_{\epsilon}$  document classes: `article`, `book`, and `report`. This package also works with the KOMA-Script classes [343, 344, 399] `scrartcl`, `scrbook`, and `scrreprt`. It must be loaded *before* the `minitoc` package (see point 1.8 on page 56 and section 2.28 on page 73).

W0037

**secttoc** A table of contents for a section.

**secttocdepth** This counter contains the depth of the `secttoCs`.

**sfheaders** The `sfheaders` package [304] (for  $\LaTeX 2_{\epsilon}$ ) borrows some definitions from the standard `article/report/book` classes and modifies them in order to print the `part`, `chapter`, `section`, `subsection`... headers with the Sans-Serif variant of the current font. It must be loaded *before* the `minitoc` package (see point 1.8 on page 57 and section 2.41 on page 79).

W0089

**shell** In the Unix, Unix-like and Linux operating systems, the **shell** is a program used as an interface between the operating system and the user. It can also be used as a scripting language to write programs or scripts to prepare routinely used sequences of tasks. The main shells are the Bourne shell (**sh**), the C shell (**csh**), the Korn shell (**ksh**), and their many successors (like **bash**, **tcsh**, etc.).

**shorttext** An option of the `minitoc` package. It forces the use of short extensions (3 characters) in the names of the `minitoc` auxiliary files. This option is inactive by default, but is automatically activated if your operating system needs short extensions. See **autoconfiguration** above and the section 2.5 on page 61.

W0020






**shorttoc** The `shorttoc` package [155] allows to create an other table of contents in a document, with an other title and an other depth than the main table of contents.



- SJIS** The SJIS character encoding (for the Japanese language), also known as MS-Kanji (Kanji for Microsoft®), consists of two overlaid character sets: the so-called halfwidth Katakana (JIS X0201-1976, 1-byte characters encoded in the range 0xA1 to 0xDF) and the (fullwidth) JIS character set (JIS X0208-1990, mapped to the remaining code points). This information is taken from [127, 297, 298].
- SI<sub>Λ</sub>TEX** A version of L<sup>A</sup>TEX customized for the Swedish language. See [318].
- splitbib** A L<sup>A</sup>TEX package [314] which allows for sorting a bibliography into categories and subcategories; this is interesting for lists of publications, for grouping references by subject, by year, ...
- stdclsdv** The stdclsdv package [466] is intended to be used by the authors of L<sup>A</sup>TEX packages that need to know about the sectional divisions provided by the document class.
- strut** A vertical invisible rule used to force a minimal separation between two lines of text.
- subfig** The subfig package [132] provides support for the inclusion of small, “sub-figures” and “sub-tables”. It simplifies the positioning, captioning and labeling of them within a single figure or table environment. In addition, this package allows such sub-captions to be written to the List of Figures or List of Tables if desired.
- subfigure** The subfigure package [130] is an obsolete version (by the same author) of the subfig package [132].
- suffix** See “extension” above.

## T

- TDS** The T<sub>E</sub>X Directory Structure [445, 446]; a directory structure highly recommended to store macros, fonts, and the other implementation-independent T<sub>E</sub>X system files; it also suggests how to incorporate the rest of the T<sub>E</sub>X files in a single structure; the TDS has been designed to work on all modern systems.
- T<sub>E</sub>X** T<sub>E</sub>X is a computer program created by Donald E. KNUTH [263, 265]. It is aimed at typesetting text and mathematical formulae. KNUTH started writing the T<sub>E</sub>X typesetting engine in 1977 to explore the potential of the digital printing equipment that was beginning to infiltrate the publishing industry at that time, especially in the hope that he could reverse the trend of deteriorating typographical quality that he saw affecting his own books and articles. T<sub>E</sub>X as we use it today was released in 1982, with some slight enhancements added in 1989 to better support 8-bit characters and multiple languages. T<sub>E</sub>X is renowned for being extremely stable, for running on many different kinds of computers, and for being virtually bug free. The version number of T<sub>E</sub>X is converging to  $\pi$  and is now at 3.141592.
- T<sub>E</sub>X is pronounced “Tech,” with a “ch” as in the German word “Ach” or in the Scottish “Loch.” In an ASCII environment, T<sub>E</sub>X becomes TeX.

- thailatex** The `thailatex` package [320] allows to typeset documents in the Thai language. You can also use the CJK system [127, 297, 298].
- tight** An option of the `minitoc` package. It gives a tight line spacing in the mini-tables. The opposite option is `loose`.
- titlesec** The `titlesec` package [46] allows to change the sectioning titles. Amongst its many features it provides margin titles, different format in left and right pages, rules above and below the title, etc. Unfortunately, it is *incompatible* with the `minitoc` package.  W0099
- titletoc** The `titletoc` package is useful for toc entries formatting, providing the possibility of changing the format in the middle of a document, grouping the entries in a single paragraph, pretty free-forms entries, partial tocs, etc. Unfortunately, it is *incompatible* with the `minitoc` package.  W0040
- The `titletoc.sty` file is not part of the `titlesec` package; it's an independent package, but it's described in the `titlesec` package documentation [46].
- tmk** A script file which creates a TDS-compliant hierarchy [445, 446] (to be adjusted to your system).
- TOC, ToC** Acronym for “table of contents”.
- tocbibind** The `tocbibind` package [472] can be used to add the ToC and/or bibliography and/or the index etc., to the Table of Contents listing. But it needs some precautions when used with the `minitoc` package. See section 1.5.5 on page 53.  I0046
- tocdepth** This counter contains the depth of the table of contents.
- tocloft** The `tocloft` package [469] provides means of controlling the typographic design of the Table of Contents, List of Figures and List of Tables. New kinds of “List of ...” can be defined. If you use the `tocloft` package and the `minitoc` package, see section 2.21 on page 67 about fixing some minor compatibility issues.  I0047
- TODO** is a plain text file (english) which lists some suggested developments of the package, not yet implemented. Comments and suggestions are welcome.
- token** A token<sup>14</sup> is either (a) a single character with an attached category code (see “cat-code” above), or (b) a control sequence. You *should* remember two chief things about  $\TeX$ 's tokens: (1) A control sequence is considered to be a single object that is no longer composed of a sequence of symbols. Therefore long control sequence names are no harder for  $\TeX$  to deal with than short ones, after they have been replaced by tokens. Furthermore, spaces are not ignored after control sequences inside a token list; the ignore-space rule applies only in an input file, during the time that strings of characters are being tokenized. (2) Once a category code has been attached to a character token, the attachment is permanent. For instance, if character ‘`{`’ were suddenly declared to be of category 12 instead of category 1, the characters ‘`{1`’ already inside token lists of  $\TeX$  would still remain of category 1; only newly made lists would contain ‘`{12}`’ tokens. In other words, individual characters receive a fixed interpretation as soon as they have been read from a file, based on the category they have at the time of reading. Control sequences are 

<sup>14</sup>This definition is taken from “*The  $\TeX$ book*” [263, 265].

different, since they can change their interpretation at any time.  $\text{T}_{\text{E}}\text{X}$ 's digestive processes always know exactly what a character token signifies, because the category code appears in the token itself; but when the digestive processes encounter a control sequence token, they must look up the current definition of that control sequence in order to figure out what it means.

**trivfloat** The trivfloat package [484] (by Joseph A. WRIGHT) provides a quick method for defining new float types in  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ . A single command sets up a new float in the same style as the  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$  kernel `figure` and `table` float types.

I0053

**txfonts** The txfonts package [403] provides the TX fonts, which consist of

1. virtual text roman fonts using Adobe Times (or URW NimbusRomNo9L) with some modified and additional text symbols in OT1, T1, TS1, and LY1 encodings;
2. virtual text sans serif fonts using Adobe Helvetica (or URW NimbusSanL) with additional text symbols in OT1, T1, TS1, and LY1 encodings;
3. monospaced typewriter fonts in the OT1, T1, TS1, and LY1 encodings;
4. math alphabets using Adobe Times (or URW NimbusRomNo9L) with modified metrics;
5. math fonts of all symbols corresponding to those of Computer Modern math fonts (CMSY, CMMI, CMEX, and Greek letters of CMR);
6. math fonts of all symbols corresponding to those of AmS fonts (MSAM and MSBM);
7. additional math fonts of various symbols.

All fonts are in the Type 1 format (in `.afm` and `.pfb` files). Necessary `.tfm` and `.vf` files together with  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X} 2_{\epsilon}$  package files and font map files (`.map`) for `dvips` are provided.

## U

**UNIX** A modern operating system, available on many computers and in various flavors. From the `minitoc` point of view, it has the advantage of using filenames with long extensions (the length limit is too high to be a problem with the number of mini-tables).

**UNIX-like** Operating systems analog to Unix, with the same advantages. Linux is a good example, but others exist.

**urlbst** A PERL script, by Norman GRAY [196], to add a webpage  $\text{B}_{\text{I}}\text{T}_{\text{E}}\text{X}$  entry type, and add support for general `url` and `lastchecked` fields, to (most)  $\text{B}_{\text{I}}\text{T}_{\text{E}}\text{X}$  `.bst` files. Optionally adds basic support for `eprint` and `doi` fields, and `HyperTEX`/`hyperref` support, too. See [371, 390].

**UTF 8** UTF 8 (Unicode Transformation Format 8), also called UTF 2 or FSS-UTF, is a special representation of Unicode (resp. ISO 10646). It uses multibyte sequences of various lengths, but only 2-byte and 3-byte sequences are implemented in CJK.

ASCII characters will be used as-is — without this property it would be impossible to use UTF 8 with  $\text{\TeX}$ . See table 6.2 on page 215.

## V

**varsects** The varsects package [437] provides a set of commands for changing the font used for the various sectional headings in the standard  $\text{\LaTeX 2}_{\epsilon}$  document classes: article, book, and report. It must be loaded *before* the minitoc package (see point 1.8 on page 56 and section 2.33 on page 76).

W0038

## W



**Wikipedia** The Wikipedia is a free, multilingual, open content (neutral, verifiable, modifiable and improvable by anyone) encyclopedia project operated by the non-profit Wikimedia Foundation. Its name is a portemanteau of the words *wiki* (a type of collaborative website) and *encyclopedia*. Launched in 2001 by Jimmy WALES and Larry SANGER, it is the largest, fastest growing and most popular general reference work currently available on the Internet.

**wrapfig** The wrapfig package [18] provides the wrapfigure and wraptable environments to place a figure or table at the side of the page and wrap text around it.

## X

**xmk** An example of shell script, which typesets the example document files into PDF documents.

**xr** The xr package [114] implements a system for eXternal References. I wrote the first version of this package, but it had severe problems. David P. CARLISLE rewrote it in a much better and more robust way. With his permission, I used some of his code in the minitoc package to implement the preparation commands (like  $\text{\dominotoc}$ ). If you use also the hyperref package [390], use xr-hyper [117] in place of the xr package.

# Chapter 7

## Installation

### Tables

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7.5	A TDS-compliant hierarchy for the <code>minitoc</code> files	251

This chapter describes the installation of the `minitoc` package (version #60).

This package contains a lot of files. The list of all files is given in `minitoc.l`. See tables 7.1 to 7.2 on pages 246–247. The files are sorted into “classes” below (a file can appear in more than one class). Each class specifies the function and the placement of its files.

(0) The files `minitoc.ins` and `minitoc.dtx` are the basic source files of this package. The file `minitoc-fr.dtx` loads `minitoc.dtx` but selects the french documentation. The language selection is done by using `\ifcase ... \or ... \fi` constructs.

(1) The files `minitoc.sty`, `mtcoeff.sty`, `mtcmess.sty`, and *all* `*.mld` and `*.mlo` files are the package itself<sup>1</sup>.

The table 1.7 on page 41 lists the available languages; for each of these languages, a `language.mld` file is available; the languages in parentheses are aliases of a main language and their `.mld` files will load the `.mld` file of that main language.

`mtcpatchmem.sty` is a temporary fix for compatibility with the `memoir` class.

The files of this class must be *all* installed in a directory where  $\text{\LaTeX} 2_{\epsilon}$  finds the `.sty` files.

<sup>1</sup> The large number of `*.mld` files is (partially) a consequence of the fact that some languages have aliases (or dialects) and hence one `*.mld` file for each name (a `*.mld` file may load another one) and, if necessary, a `.mlo` file; the english and french languages are evident examples. For some languages, the multiplicity of the `*.mld` files corresponds to a multiplicity of fonts and/or encodings (chinese, greek, japanese, korean, malayalam, polish, russian, serbian), or even for spelling reforms (german, greek, norsk). *Note that the presence of the `english.mld` file is mandatory.* Since version #50, the `minitoc` package signals the missing `.mld` or `.mlo` files and gives their list in a warning message.

I0050  
I0051  
E0036  
E0038  
W0094

Table 7.1: List of files (mini toc.1), first part

<b>class (0) :</b>	-esperanto.mld	-latinc2.mld	-samin.mld
-minitoc.ins	-estonian.mld	-latvian.mld	-scottish.mld
-minitoc.dtx	-ethiopia.mld	-latvian2.mld	-serbian.mld
-minitoc-fr.dtx	-ethiopian.mld	-letton.mld	-serbianc.mld
<b>class (1) :</b>	-ethiopian2.mld	-letton2.mld	-slovak.mld
-minitoc.sty	-farsi1.ml[d o]	-lithuanian.mld	-slovene.mld
-mtcoff.sty	-farsi2.ml[d o]	-lithuanian2.mld	-spanish.mld
-mtcmess.sty	-farsi3.mld	-lowersorbian.mld	-spanish2.mld
-mtcpatchmem.sty	-finnish.mld	-lsorbian.mld	-spanish3.mld
-acadian.mld	-finnish2.mld	-magyar.mld	-spanish4.mld
-acadien.mld	-français.mld	-magyar2.mld	-swahili.mld
-afrikaan.mld	-french.mld	-magyar3.mld	-swedish.mld
-afrikaans.mld	-french1.mld	-malay.mld	-swedish2.mld
-albanian.mld	-french2.mld	-malayalam-b.mld	-thai.ml[d o]
-american.mld	-frenchb.mld	-malayalam-keli.mld	-turkish.mld
-arab.mld	-frenchle.mld	-malayalam-keli2.mld	-uighur.mld
-arab2.mld	-frenchpro.mld	-malayalam-mr.mld	-uighur2.mld
-arabi.mld	-galician.mld	-malayalam-omega.ml[d o]	-uighur3.mld
-arabic.mld	-german.mld	-malayalam-rachana.mld	-UKenglish.mld
-armenian.mld	-germanb.mld	-malayalam-rachana2.mld	-ukraineb.mld
-australian.mld	-germanb2.mld	-malayalam-rachana3.mld	-ukrainian.mld
-austrian.mld	-greek.mld	-manju.mld	-uppersorbian.mld
-bahasa.mld	-greek-mono.mld	-mexican.mld	-USenglish.mld
-bahasai.mld	-greek-polydemo.mld	-meyalu.mld	-usorbian.mld
-bahasam.mld	-greek-polykatha.mld	-mongol.mld	-vietnam.mld
-bangla.mld	-guarani.mld	-mongolb.mld	-vietnamese.mld
-basque.mld	-hangul1.ml[d o]	-mongolian.mld	-welsh.mld
-bengali.mld	-hangul2.ml[d o]	-naustrian.mld	-xalx.mld
-bicig.mld	-hangul3.ml[d o]	-newzealand.mld	-xalx2.mld
-bicig2.mld	-hangul4.ml[d o]	-ngerman.mld	-xalx3.mld
-bicig3.mld	-hangul-u8.ml[d o]	-ngermanb.mld	
-bithe.mld	-hanja1.ml[d o]	-ngermanb2.mld	<b>class (2) :</b>
-brazil.mld	-hanja2.ml[d o]	-norsk.mld	-INSTALL, README, TODO,
-brazilian.mld	-hanja-u8.ml[d o]	-norsk2.mld	CATALOG
-breton.mld	-hebrew.mld	-nynorsk.mld	-minitoc.l
-british.mld	-hebrew2.mld	-nynorsk2.mld	
-bulgarian.mld	-hindi.mld	-occitan.mld	<b>class (3) :</b>
-bulgarianb.mld	-hindi-modern.mld	-occitan2.mld	-mtc-2c.tex, mtc-2nd.tex,
-buryat.mld	-hungarian.mld	-polish.mld	mtc-3co.tex, mtc-add.bib,
-buryat2.mld	-icelandic.mld	-polish2.mld	mtc-add.tex, mtc-ads.tex,
-canadian.mld	-indon.mld	-polski.mld	mtc-amm.tex, mtc-apx.tex,
-canadien.mld	-indonesian.mld	-portuges.mld	mtc-art.tex, mtc-bo.tex,
-castillan.mld	-interlingua.mld	-portuguese.mld	mtc-bk.tex, mtc-ch0.tex,
-castillian.mld	-irish.mld	-romanian.mld	mtc-cri.tex, mtc-fko.tex,
-catalan.mld	-italian.mld	-romanian2.mld	mtc-fo1.tex, mtc-fo2.tex,
-chinese1.ml[d o]	-italian2.mld	-romanian3.mld	mtc-gap.tex, mtc-hi1.tex,
-chinese2.ml[d o]	-japanese.ml[d o]	-russian.mld	mtc-hi2.tex, mtc-hia.tex,
-croatian.mld	-japanese2.ml[d o]	-russianb.mld	mtc-hir.tex, mtc-hop.tex,
-czech.mld	-japanese3.ml[d o]	-russianc.mld	mtc-liv.tex, mtc-mem.tex,
-danish.mld	-japanese4.ml[d o]	-russian2m.mld	mtc-mm1.tex, mtc-mu.tex,
-devanagari.mld	-japanese5.ml[d o]	-russian2o.mld	mtc-nom.tex, mtc-ocf.tex,
-dutch.mld	-japanese6.ml[d o]	-russian-cca.ml[d o]	mtc-ofs.tex, mtc-sbf.tex,
-english.mld	-kannada.mld	-russian-cca1.ml[d o]	mtc-scr.tex, mtc-syn.tex,
-english1.mld	-khalkha.mld	-russian-lh.ml[d o]	mtc-tbi.tex, mtc-tlc.tex,
-english2.mld	-latin.mld	-russian-lhcyralt.ml[d o]	mtc-tlo.tex, mtc-tsf.tex,
-esperant.mld	-latin2.mld	-russian-lhcyrkoi.ml[d o]	mtc-vti.tex
	-latinc.mld	-russian-lhcyrwin.ml[d o]	

See continuation in table 7.2 on the following page.

Table 7.2: List of files (minitoc.1), second part

<p><b>class (4) :</b> -minitoc.bug -minitoc.sum</p> <p><b>class (5) :</b> -minitoc.ins -minitoc.dtx -minitoc.bib -minitoc.ist -minitoc.lan</p>	<p>-minitoc.pre -en-mtc.bst</p> <p><b>class (6) :</b> <i>The list of the graphic and flag files is given in tables 7.3 to 7.4 on pages 247–248.</i></p> <p><b>class (7) :</b> -minitoc.dtx -minitoc-fr.dtx</p>	<p>-minitoc-fr.bib -minitoc-fr.ist -minitoc-fr.lan -minitoc.pre -franc.sty, frbib.sty, frnew.sty -fr-mtc.bst</p> <p><b>class (8) :</b> -minitoc.pdf</p>	<p><b>class (9) :</b> -minitoc-fr.pdf</p> <p><b>class (10) :</b> -cmk, emk, fmk, imk, pmk, rmk, tmk, xmk</p> <p><b>class (11) :</b> -minitoc.tds.zip</p>
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Table 7.3: List of the graphic files (class 6)

<p>acadian-m.pdf, acadien-m.pdf, africa-1f.png, africa-lo.pdf, afrsud-1.pdf, afrsud-p.pdf, albania.pdf, alb2.png, alba-eth.pdf, allemand.jpg, anglo1.pdf, arab-1.jpg, arabw.png, armeniad.pdf, armenian-1.png, armeniar.jpg, baltes.jpg, bangla.png, bangla1.png, bangla2.png, basque-de.png, basque-df.png, basque1.pdf, basque2.pdf, be-dg-f.png, belgique.pdf, bengali-m.jpg, bosnia.pdf, brazil.pdf, brazilp.pdf, bretagne.pdf, bulgariar.jpg, bulgarski.png, bulgmap.png, buryatia.pdf, buryatia-1.pdf, canada.pdf, canada-1.pdf, canada-pe.png, canada-pf.pdf, canada1.pdf, catalan-d.pdf, catalan-p.pdf, caucasus.pdf, china-ae.png, china-af.png, china-ch.png, china-l.pdf, china-w.png, chine1.pdf, chine2.pdf, cplpmap.png, croatia-un.png, croatie2.png, cyr-alf.png, cz1.pdf, cz3.png, czechd.pdf, danemark.jpg, danishd.pdf, danishg.pdf, devanagari.png, dutchw.pdf, ecosse1.pdf, ecosse2.pdf, ecosse3.pdf, espa-1.pdf, espa-o.png, estonia-a.pdf, estonia-b.pdf, eth2.png, ethiolang.png, ethiopia.pdf, ethiopia-p.pdf, euro-lan.png, euro-lan1.png, euro-lan2.png, euskara.png, farsi.pdf, farsi-logo.png, feroe.jpg, finlande1.png, finlande2.pdf, finnishd.pdf, finnishl.pdf, france-lr.png, franco.png, fswahili.pdf, gael-ft.pdf, gaid.jpg, galicia-m.pdf, galicia-mp.pdf, galician-1.png, galles1.pdf, galles2.pdf, germ-w.png, german-c.pdf, german-d.pdf, german-m.pdf, grece1.pdf, grece2.pdf, greeka.png, greekm.jpg, hangul.png, hanja.png, hanzi.png, hin.png, hindi-b.png, hindi-p.png, hispano.png, hrv.png, hun1.png, hun2.jpg, inde1.pdf, inde2.jpg, indonesia1.pdf, indonesia2.pdf, iranian.jpg, irish.png,</p>	<p>irlande.pdf, islam-pbc.png, islam-sw.pdf, islande.png, islandep.jpg, isr1.pdf, isr2.pdf, italian.pdf, italo1.png, italysm.png, ivrit.png, japon1.pdf, japon2.jpg, karnada-n.png, karnad1.jpg, karnataka.jpg, kerala.jpg, khalkha.pdf, korean1.png, korean2.jpg, kos-alb.png, kos-ml.png, lamed3.png, lang-g.png, latvian-d.png, latvian-r1.png, lettonie.jpg, leur.png, lituanie.png, luso1.pdf, luso2.pdf, malayalam.pdf, malayalam.png, malaysia1.pdf, malaysia2.pdf, manchu.jpg, manchuria.jpg, manjuc.jpg, manjui.png, mex1.pdf, mex2.pdf, mex3.pdf, mexip.pdf, meyalu.png, mondep.png, mongasie.pdf, mongolcy.png, mongolian.pdf, mongols.png, mongoltr.png, neder.pdf, nihongo.png, norvege-c.pdf, norvege-t.pdf, norway-p.pdf, occdial1.jpg, occdial2.png, occitanie.png, occtaur.jpg, paraguay.png, paraguayp.pdf, polish-d.jpg, polmin.jpg, pologne.pdf, portu-a.png, portu-b.png, portu-p.jpg, portu-r.jpg, portugal.pdf, romanian.pdf, rus-cyr.png, rus-re.png, rus-su.pdf, russian.png, russian-e.pdf, russian-n.png, russian-w.png, same.png, same-f.png, serb-a.pdf, serbial.pdf, slovak-ok.png, slovakia.pdf, slovenian.png, slovenie.pdf, sorabe-1.jpg, sorabe-2.jpg, sorben.jpg, sorbian.jpg, spain.png, suede-a.pdf, suede-fin.pdf, svenska.png, swahili.pdf, swahili-m.png, sweden.pdf, thai.pdf, thai.png, turkish.png, turquie.pdf, uighur.pdf, ukra.png, ukraine.jpg, ukrainep.pdf, viet2.pdf, viet3.pdf, viet4.pdf, viet-w.pdf, wallonie.pdf, wiki.png, wikif.png, wrs-a.png, wrs-c.png, xinjiang.png, xinjiangc.png, xyugo.png.</p>
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## (2) Informative text files:

- INSTALL is a file describing the installation of the package. You are (almost) reading it (but it is shorter).
- minitoc.1 contains the list of all files of the minitoc distribution. See tables 7.1 to 7.2 on pages 246–247.
- README is a file describing briefly the minitoc package, plus some useful infos.
- CATALOG contains basic infos about the minitoc package (abstract, date, author, version, licence).
- TODO lists some suggested developments of the package, not yet implemented. Comments and suggestions are welcome.

Table 7.4: List of the flag files (class 6)

aaland-f.png, acadie-f.png, afghan-f.png, albania-f.png, algeria-f.png, alsace-f.png, andorra-f.png, argentina-f.png, angola-f.png, armenia-f.png, aruba-f.png, australia-f.png, austria-f.png, azerbaijan-f.png, bahamas-f.png, bahrain-f.png, bangladesh-f.png, barbados-f.png, belarus-f.png, belgium-f.png, belize-f.png, benin-f.png, bolivia-f.png, bolzano-f.png, bosnia-hz-f.png, bozen-f.png, brazil-f.png, brussels-f.png, bulgaria-f.png, bur-f.png, burkina-f.png, burundi-f.png, cambodia-f.png, california-f.png, cameroon-f.png, canada-f.png, cap-verde-f.png, castille-f.png, catalonia-f.png, central-africa-f.png, chad-f.png, chile-f.png, china-f.png, cis-f.png, colombia-f.png, comoros-f.png, congo-f.png, corsica-f.jpg, costa-rica-f.jpg, cplp-0.png, croatia-f.png, cuba-f.png, cyprus-f.png, czech-f.png, dane-f.png, djibouti-f.png, dominica-f.png, dominican-f.png, east-timor-f.png, ecuador-f.jpg, egypt-f.png, el-salvador-f.png, england-f.jpg, equa-guinea-f.png, eritrea-f.png, esperanto-f.png, estonia-f.png, ethiopia-f.png, eusk-f.png, faroe-f.png, fiji-f.png, finland-f.png, flanders-f.png, france-f.png, francophonie-f.png, gabon-f.png, galicia-f.png, georgia-f.png, germany-f.jpg, ghana-f.png, gibraltar-f.png, greece-f.png, greenland-f.png, guatemala-f.jpg, guinea-bissau-f.png, guinea-f.png, gwenn-f.png, haiti-f.jpg, honduras-f.png, hungary-f.png, iceland-f.png, imongolia-f.png, india-f.png, indonesia-f.png, iran-f.png, iraq-f.png, ireland-f.png, israel-f.png, italy-f.png, ivory-f.png, jamaica-f.png, japan-f.png, jordan-f.png, jutland-f.png, karnataka-f.jpg, kazakhstan-f.png, kenya-f.png, kerala-f.jpg, kiribati-f.png, korea-n-f.png, korea-s-f.png, kosovo-f.png, kuwait-f.png, kyrgyzstan-f.png,	laos-f.png, latvia-f.png, lebanon-f.png, liberia-f.png, libya-f.jpg, liech-f.png, lithuania-f.jpg, lorraine-f.jpg, louisiana-f.png, ls-f.png, lux-f.png, macau-f.png, macedonia-f.png, madagascar-f.png, maine-f.jpg, malawi-f.png, malaysia-f.png, mali-f.png, maltal-f.png, mauritania-f.png, mauritius-f.png, mexico-f.jpg, moldova-f.png, monaco-f.png, mongolia-f.png, montenegro-f.jpg, morocco-f.png, mozambique-f.png, namibia-f.png, nbrunswick-f.png, ncyprus-f.png, netherlands-antilles-f.png, netherlands-f.png, new-york-f.png, newzealand-f.png, nicaragua-f.png, nice-f.png, niger-f.png, nigeria-f.png, norway-f.png, occ-f.png, oman-f.png, opole-f.png, pakistan-f.png, palestine-f.png, panama-f.png, paraguay-f.png, peru-f.png, philippines-f.png, poland-f.png, polski-f.png, portugal-f.png, puerto-rico-f.png, qatar-f.png, quebec-f.png, rdcongo-f.png, romania-f.png, russia-f.png, rwanda-f.png, saint-lucia-f.png, sami-f.png, samoa-f.png, san-marino-f.png, sao-f.png, saudi-arabia-f.png, scotland-f.png, senegal-f.png, serbia-f.png, serbia-f2.png, seychelles-f.png, singapore-f.png, slovakia-f.png, slovenia-f.png, solomon-islands-f.png, somalia-f.png, south-africa-f.png, spain-f.png, spilhennig.png, start.jpg, stop.png, sudan-f.png, suisse-f.png, suriname-f.png, sweden-f.png, syria-f.png, taiwan-f.png, tajikistan-f.png, tanzania-f.png, thailand-f.png, togo-f.png, tonga-f.png, tunisia-f.png, turkey-f.png, turkmenistan-f.png, tuvalu-f.png, uae-f.png, uganda-f.png, uighur-f.png, uk-f.png, ukraine-f.png, uruguay-f.png, us-f.png, usa-f.png, uzbekistan-f.png, vanuatu-f.png, vatican-f.jpg, venezuela-f.png, vermont-f.png, vietnam-f.png, vojvodina-f.png, wales-f.png, wallonia-f.png, yemen-f.png, zambia-f.png, zanzibar-f.png, zimbabwe-f.png.
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- (3) Examples of documents: `mtc-2c.tex`, `mtc-2nd.tex`, `mtc-3co.tex`, `mtc-add.bib`, `mtc-add.tex`, `mtc-ads.tex`, `mtc-amm.tex`, `mtc-apx.tex`, `mtc-art.tex`, `mtc-bk.tex`, `mtc-bo.tex`, `mtc-ch0.tex`, `mtc-cri.tex`, `mtc-fko.tex`, `mtc-fo1.tex`, `mtc-fo2.tex`, `mtc-gap.tex`, `mtc-hil.tex`, `mtc-hi2.tex`, `mtc-hia.tex`, `mtc-hir.tex`, `mtc-hop.tex`, `mtc-liv.tex`, `mtc-mem.tex`, `mtc-mm1.tex`, `mtc-mu.tex`, `mtc-nom.tex`, `mtc-ocf.tex`, `mtc-ofs.tex`, `mtc-sbf.tex`, `mtc-scr.tex`, `mtc-syn.tex`, `mtc-tbi.tex`, `mtc-tlc.tex`, `mtc-tlo.tex`, `mtc-tsf.tex`, `mtc-vti.tex`, are example files, to play with. The associated `.pdf` files are provided. Another (*short*) examples are welcome.
- (4) `minitoc.bug`, `minitoc.sum` are plain text documentation: list of problems (faq, see chapter 2 on page 59) and summary of commands (see chapter 3 on page 83).
- (5) `minitoc.ins`, `minitoc.ist`, `minitoc.pre`, `minitoc.lan`, `en-mtc.bst`, `minitoc.dtx`, and `minitoc.bib` are the source of the documentation in (non perfect) english. `minitoc.pre` is the common preamble code for the documentation.
- (6) The list of the graphic and flag files is given in tables 7.3 to 7.4 on pages 247–248; they are images to include.



- (7) `minitoc.dtx`, `minitoc-fr.dtx`, `minitoc-fr.bib`, `minitoc-fr.ist`, `minitoc-fr.lan`, `minitoc.pre`, `franc.sty`, `frbib.sty`, `frnew.sty`, `fr-mtc.bst` are the source (and tools) of the documentation in french<sup>2</sup>.
- (8) `minitoc.pdf`, is the documentation in (non perfect) english, in PDF format.
- (9) `minitoc-fr.pdf` is the documentation in french, in PDF format. The french documentation and its source files must not be left out.
- (10) `pmk` is a shell script<sup>3</sup> to prepare the package and its documentation; the `pmk` script uses the `/tmp/‘whoami‘.imk` and `/tmp/‘whoami‘.tmk` directories to not waste disk space under your home directory; there are also six partial scripts<sup>4</sup> and a supplementary one, `cmk` (all to be adapted):
- `imk`, which prepares the package from `minitoc.ins` and `minitoc.dtx`; note that `imk` must be run before running `emk` or `fmk`; it creates also some `.sty` files necessary to prepare the documentation but that are to be installed with it; the `imk` script uses the `/tmp/‘whoami‘.imk` directory to not waste disk space under your home directory;
  - `emk`, which prepares the english documentation from `minitoc.dtx`;
  - `fmk`, which prepares the french documentation from `minitoc-fr.dtx` and `minitoc.dtx`;
  - `xmk`, which typesets the example files (in PDF format);
  - `rmk`, which sorts the files into classes (one directory for each class);
  - `tmk`, which creates a TDS-compliant hierarchy [445, 446] (to be tailored to your system); see table 7.5 on page 251; this hierarchy is saved in `minitoc.tds.zip`;
  - `cmk`, which converts the PDF documentation files into PostScript files.

These scripts are currently written in C-shell, but they are very simple, and should be easy to convert in another classic shell. The documentation in PostScript format is no more distributed on the CTAN archives, but the `cmk` script can prepare it from the documentation in PDF format (recto-verso printing).

- (11) `minitoc.tds.zip` is a ZIP-archive file containing a TDS-compliant hierarchy with all the files of the `minitoc` package.

<sup>2</sup> This seems rather strange. In fact, the english and french documentations are both contained in the `minitoc.dtx` file. `minitoc-fr.dtx` sets a flag then loads `minitoc.dtx`; hence the file `minitoc-fr.dtx` is much smaller than `minitoc.dtx`. Thus, `minitoc.ins` contains also some utility files which are automatically created (some `.sty` files, `minitoc.ist`, `minitoc-fr.ist`, `minitoc.lan`, `minitoc-fr.lan`). The english and french versions are not word-by-word translations, but they are in parallel in the `minitoc.dtx` file, and this helps the maintenance.

<sup>3</sup> You can sip a big cappuccino ☕ while this script is running! Be patient.

<sup>4</sup> In fact, `pmk` assembles the scripts `imk`, `emk`, `fmk`, `xmk`, `rmk`, and `tmk` (but *not* `cmk`).

Some remarks about the `rmk`, `tmk` and `pmk` scripts (which you should tailor to your needs):

- **with `rmk`:**

1. the hierarchy is *not* TDS-compliant;
2. the files of (0) must be installed in a directory where  $\text{\LaTeX} 2_{\epsilon}$  finds `.dtx` and `.ins` files;
3. the files of (1) must be installed in a directory where  $\text{\LaTeX} 2_{\epsilon}$  finds `.sty` files;
4. the files of (2), (3), (4), (5), (6), (7) and (10) must be installed in a separate directory, but must not be left out;
5. the files of (8) and (9) must be installed as on-line documentation;
6. the directories created by the `rmk` script are under `/tmp/whoami/.rmk` to not waste disk space under your home directory.

- **with `tmk`:**

1. the hierarchy is TDS-compliant;
2. each file appears only once in the hierarchy;
3. the installation is much easier: you only need a `.zip` or a `.tar` (or `.tgz`) dump file<sup>5</sup> of the hierarchy to be deployed into the installed TDS hierarchy; you should examine *very carefully* (by comparison with your TDS installation) and tailor the `tmk` script before using it;
4. the directories created by the `tmk` script are under `/tmp/whoami/.tmk` to not waste disk space under your home directory;
5. the file `minitoc.tds.zip` (11) should not be installed; it is just a method to help making a TDS-compliant installation.

- **with `pmk`:**

1. the `pmk` script performs the actions of `imk` (preparation of the basic files), `emk` and `fmk` (preparation of the english and french documentation), `xmk` (preparation of the examples of documents), `rmk` and `tmk` (repartition of files into classes and in a TDS-compliant hierarchy);
2. the directories created by the `pmk` script are under `/tmp/whoami/.rmk` and `/tmp/whoami/.tmk` to not waste disk space under your home directory;
3. the *same precautions* as for `tmk` are needed.

The file `minitoc.tds.zip` contains a ZIP archive of a TDS-compliant hierarchy of all files of the `minitoc` package. It has been prepared by the `pmk` or `tmk` scripts.

Note that `minitoc.dtx` and hence `minitoc-fr.dtx` are (not so trivial) examples of using `minitoc` with `hyperref`. They show how the combinaison of these two packages may be useful.

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<sup>5</sup> The `tmk` script creates the `minitoc.tds.zip` file.



Table 7.5: A TDS-compliant hierarchy for the minitoc files

TDS Root Directory						
bibtex/		doc/	makeindex/	scripts/	source/	tex/
bib/	bst/	latex/	minitoc/	minitoc/	latex/	latex/
minitoc/	minitoc/	minitoc/	(D)	(E)	minitoc/	minitoc/
(A)	(B)	(C)			(F)	(G)
		examples/	images/			
		(H)	(I)			
(A)	minitoc-fr.bib, minitoc.bib;					
(B)	en-mtc.bst, fr-mtc.bst;					
(C)	INSTALL, README, TODO, CATALOG, minitoc-fr.lan, minitoc-fr.pdf, minitoc.bug, minitoc.l, minitoc.lan, minitoc.pdf, minitoc.pre, minitoc.sum, franc.sty, frbib.sty, frnew.sty;					
(D)	minitoc-fr.ist, minitoc.ist;					
(E)	cmk, emk, fmk, imk, pmk, rmk, tmk, xmk;					
(F)	minitoc-fr.dtx, minitoc.dtx, minitoc.ins;					
(G)	minitoc.sty, mtcoff.sty, mtcmess.sty, mtcpatchmem.sty, *.mld, *.mlo;					
(H)	mtc-2c.pdf, mtc-2c.tex, mtc-2nd.pdf, mtc-2nd.tex, mtc-3co.pdf, mtc-3co.tex, mtc-add.bib, mtc-add.pdf, mtc-add.tex, mtc-ads.pdf, mtc-ads.tex, mtc-amm.pdf, mtc-amm.tex, mtc-apx.pdf, mtc-apx.tex, mtc-art.pdf, mtc-art.tex, mtc-bk.pdf,		mtc-bk.tex, mtc-bo.pdf, mtc-bo.tex, mtc-ch0.pdf, mtc-ch0.tex, mtc-cri.pdf, mtc-cri.tex, mtc-fko.pdf, mtc-fko.tex, mtc-fo1.pdf, mtc-fo1.tex, mtc-fo2.pdf, mtc-fo2.tex, mtc-gap.pdf, mtc-gap.tex, mtc-hi1.pdf, mtc-hi1.tex, mtc-hi2.pdf, mtc-hi2.tex, mtc-hia.pdf, mtc-hia.tex, mtc-hir.pdf, mtc-hir.tex, mtc-hop.pdf, mtc-hop.tex, mtc-liv.pdf, mtc-liv.tex, mtc-mem.pdf, mtc-mem.tex, mtc-mm1.pdf, mtc-mm1.tex, mtc-mu.pdf, mtc-mu.tex, mtc-nom.pdf, mtc-nom.tex, mtc-ocf.pdf, mtc-ocf.tex, mtc-ofs.pdf, mtc-ofs.tex, mtc-sbf.pdf, mtc-sbf.tex, mtc-scr.pdf, mtc-scr.tex, mtc-syn.pdf, mtc-syn.tex, mtc-tbi.pdf, mtc-tbi.tex, mtc-tlc.pdf, mtc-tlc.tex, mtc-tlo.pdf, mtc-tlo.tex, mtc-tsfc.pdf, mtc-tsfc.tex, mtc-vti.pdf, mtc-vti.tex;			
(I)			The list of the graphic and flag files is given in tables 7.3 to 7.4 on pages 247–248.			

# Chapter 8

## Postface

### Contents

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This chapter summarizes the evolution of the minitoc package, year by year. A more detailed history is available in “Changes History”, page 686. Many minor changes are skipped here.

In fact, this chapter is for the average user of the package, who wants to have an overview of its evolution; the chapter “Changes History” is more oriented towards peoples interested in the code of the package and the problems encountered during its development.

### 8.1 The origins

The minitoc package was initially written by Nigel WARD in 1990 and 1991, with major contributions by Dan JURAFSKY. But minitoc suffered of a major weakness: when the number of chapters exceeded 9 or 10, you got a rather mysterious error message:

```
No room for a new \write.
```

As I needed the basic fonctionnality of this package (printing mini-tables of contents for each chapter), I looked further in its code and finally found the culprit: minitoc used a `\newwrite`

command to create a new file for the contents table of each chapter, allocating a new file descriptor each time. But the number of file descriptors for writing is limited to 16 under  $\LaTeX$  (in fact, by the underlying  $\TeX$  program itself). As some descriptors are already used by  $\LaTeX$ , writing more than 9 or 10 chapters was too much. Such errors are difficult to find when testing on too small documents: with few chapters, everything goes fine. But on a real document, with many chapters, the mysterious error happens.

## 8.2 New design in 1993

So I decided (June 1993, when I took the maintenance of the package) to change the allocation method to always use the same file descriptor for all the mini-table of contents files. Some major improvements happened in 1993: the addition of the `mtcoff` (minitocoff at this time) package and a rewrite of `minitoc` to extract the data from the `document.toc` file, with a selection mechanism. Then a first solution for the short extension problem was added (still manual). An elementary system for the fonts in the mini-tables was added. In December 1993, the `minilofs` and `minilots` were added.

## 8.3 Developments in 1994

The first improvements in 1994 were about the formatting of the mini-tables: spacing was improved and the position of the title became adjustable (with the optional parameter of `\minitoc` or `\dominitoc`). But a major addition was done: part-level mini-tables (`parttocs`, `partlofs`, `partlots`) and, for articles, section-level mini-tables (`secttocs`, `sectlofs`, `sectlots`).

With the emergence of  $\LaTeX 2_{\epsilon}$ , replacing the ageing  $\LaTeX 2.09$ , some work was necessary to support the compatibility with this new version. This was not easy, but Denis B. ROEGEL and Frank MITTELBACH gave me many helpful hints.

Another major addition is the language option feature, with the concept of the *mini-toc language definition file* (or `.mld` file), coming from the `babel` package [60, 61], by Johannes L. BRAAMS. But at this time, these files were still named as `.sty` files.

An important simplification is introduced by the notion of “absolute numbering”, which avoids many problems when the chapters are not numbered the standard way (consecutively, starting from 1, with arabic digits).

## 8.4 No developments in 1995

Sorry, I was busy with an other project.

## 8.5 Developments in 1996

The very annoying problem with the starred sectioning commands received some (rather primitive) solutions, but it is very complex, so manual interventions are often required.

The names of the minitoc language definition files take now the extension `.mld`, more specific, and english is the default language. Some new languages are added.

The work on the starred sectioning commands continues.

The minitocoff companion package is renamed `mtcoff` to keep its name short.

## 8.6 Developments in 1997

The problem of short extensions for files names under some operating systems is addressed via the new `shorttext` package option and by the new autoconfiguration feature.

For the starred sectioning commands, the `\addstarredchapter` command is added (with analog commands for starred parts and sections).

## 8.7 Developments in 1998

The `tight` and `loose` package options are added to improve the line spacing in the mini-tables.

## 8.8 Developments in 1999

The `dotted` and `undotted` package options are added to add or suppress some lines of dots (leaders) in the mini-tables.

## 8.9 Developments in 2000

A major addition is the compatibility with the `hyperref` package [390], and I ought to thank loudly Heiko OBERDIEK, Didier VERNA, Bernd JAEHNE and A. J. “Tony” ROBERTS [454].

Some corrections about the starred sectioning commands are added by Heiko OBERDIEK.

The mini-tables features (`\beforeparttoc` and `co.`) commands are added.

Some adjustment commands, like `\mtcaddchapter`, are added, again about the problem with the starred sectioning commands.

The compatibility with the `tocbibind` package [472] is documented.

I0046

Aliases for some languages are added.

## 8.10 Developments in 2001

Added the `checkfiles` and `nocheckfiles` package options, to avoid the insertion of (ugly) empty mini-tables.

Added the `\mtcselectlanguage` command to change more easily the language of the mini-tables titles.

## 8.11 Developments in 2002

Correction of an interaction between `\tableofcontents` (creating a hidden `\chapter*` or `\section*` command) and the numbering of the mini-table files.

Added the `\mtcskip` and `\mtcskipamount` commands.

## 8.12 Developments in 2003

Added the `insection` package option (which was temporarily done by the `flsection` and `flsectionb` package options) to deal with floats drifting out of their section. The `placeins` package [15] (by Donald ARSENEAU) is used.

The font commands are made compatible with the `memoir` class [479, 481, 482].

Added compatibility with the `notoccite` package [14].

## 8.13 Developments in 2004

Added comments in the `.mld` files needing special fonts. Better documentation about languages.

Added an explanation about making a local table of contents for an appendix, eventually masking it in the main table of contents. Compatibility with the `appendix` package [471].

I0042

A major addition is the `hints` package option, to detect some programming and compatibility problems.

## 8.14 Developments in 2005

All messages are now written via the standard interface commands (`\PackageInfo`, `\PackageWarning`, and `\PackageError`), so the `minitoc` package is less verbose on the terminal.

Added the `\mtcsetfont` and `\mtcsetttitlefont` commands (from a suggestion by Benjamin BAYART) to replace many font commands by only one command with a better user interface.

Comments about the  $\mathcal{AMS}$  classes (some ones are incompatible with `minitoc`).

Added the `\mtcsetformat` and `\mtcsetttitle` commands, again to have a simpler user interface.

Added various hints (`insection` package option, order of `minitoc` basic commands, short extensions).

Added the `\mtcsetpagenumbers` and `\mtcsetrules` commands, again to have a simpler user interface.

Added the `mtchideinmaintoc` environment, to hide a group of entries in the main table of contents; added also the `mtchideinmainlof` and `mtchideinmainlot` environments.

Added the `\mtcfixindex` and `\mtcsetttitle` commands.

Added the description of the installation of the package (a new chapter and the file `INSTALL`).

Improved and added hints about consistency of `\dominitoc`/`\minitoc` and `co`.

Added the `\mtcsetfeature` command (very complex).

Added a hint about the abstract package [470].

I0040

The `minitoc` package is now written using the `.dtx-.ins` system. Some cleanup is done in the code.

Added the `\mtcfixglossary` command, like `\mtcfixindex`.

Some improvements are made to print the documentation.

Some new hints are added (`sectsty` package [319], empty mini-tables, obsolete commands).

I0043



Added the notion of depth for mini-tables of figures/tables. Added the `\mtcsetdepth` command.

The `hints` package option is now the default.

Added a method for making a bilingual documentation in one file (the `minitoc.dtx` file). This method could be used for more languages.

Added or improved some adjustment commands (`\adjustptc`, `\incrementptc`, `\decrementptc`, etc.).

Added the `k-tight` and `k-loose` package options, for the KOMA-Script [343, 344, 399] document classes.

Added a patch for the recent version of the memoir class [479, 481, 482].

Use `\mtcselectlanguage` in language options and in “secondary” `.mld` files.

Added the `\mtcloadmlo` command to be used in some `.mld` files to load a `.mlo` file. The extension `.mlo` means *minitoc language object*; such files contains characters not easily manipulated in a `.dtx` file.

The history of changes is now displayed in a much simpler way (using a glossary was too cumbersome).

Added the `listfiles` package option, to create a list of the minitoc auxiliary files, which can be removed after the  $\LaTeX$  compilation of the document. It is the `document.maf` file.

Added a remark in the FAQ chapter (and `minitoc.bug`) about precautions to take with the starred sectioning commands.

Added hints about the `caption`, `caption2`, `ccaption`, and `mcaption` packages (they must be loaded *before* minitoc).

A “Jargon” chapter is added. It will grow slowly.

Added a note about a problem with minitoc, hyperref and memoir used together.

Some bugs in the `\mtcset...` commands are fixed.

Added a hint about the `varsects` package [437].

W0038

Added a hint on the number of mini-tables when short extensions are used.

Added a chapter with all the (explained) messages.

## 8.15 Developments in 2006

Added the “\*” keyword as first argument of the `\mtcsetpagenumbers` and `\mtcsetrules` command, to get an action on all kinds of mini-tables.

Corrections in the `\mtcaddsection`, `\mtcfixglossary`, and `\mtcfixindex` commands.

In the PDF documentation, the panel of bookmarks shows initially only the bookmarks for parts and chapters, but you can open them to show deeper entries.

Added a comment about the initialization of fonts in the FAQ (point 34). It is still an open domain and I am working on it.

Added a hint about the KOMA-Script classes [343, 344, 399], and an entry in the FAQ chapter (and in `minitoc.bug`).

I0043

Added the “Postface” chapter.

Added the `\mtcprepare` command.

Added an URL field in the bibliography (the styles are modified with the `urlbst` tool [196]).

Added the `mtcmess` package to add unique identifiers to the messages.

Suppressed the PostScript documentation files from the distribution (no more accepted on CTAN archives), but the scripts still creates them.

Corrections in the `insection` package option.

Reordering of the chapters in the user’s manual (part I).

## 8.16 Developments in 2007

Removed the preparation of documentation in PostScript format.

Added the `cmk` script to convert the documentation from PDF format to PostScript format.

Added hints about the `fncychap` [301], `quotchap` [442], `romannum` [480], `sfheaders` [304], `aliumsec` [274], and `captcont` [131] packages.

W0086

W0087

W0088

W0089

W0090

Added FAQ 44 and the `\mtcgapbeforeheads` and `\mtcgapafterheads` formatting commands.

Added the chapter 4, “Examples of documents”, page 93.

Added FAQ 45 and the `\kernafterparttoc` and `co.` commands for the vertical space between a minitable and its bottom rule.

Increased the text width and adjusted the format of the entries in the TOC in the documentation.

Correction of the preamble in the generated files (spurious lines have been eliminated, at least).

Added `devanagari.mld` and `hindi.mld`. Added `hindi-modern.mld`.

The bibliographic styles `plainurl.bst` and `frplain1.bst` are renamed `en-mtc.bst` and `fr-mtc.bst`.

All example documents are renamed with names beginning with “`mtc-`”.

The “`listfiles`” package option is active by default.

Better error messages about undefined preparation and insertion commands.

Added `japanese6.mld` and `japanese6.mlo`.

Added a hint about the `hangcaption` package [250].

W0092

Added (in the memento) a table of the classes and packages which are incompatible or need precautions with `minitoc`.

Added a validation of the language options with the presence of the `.mld` and `.mlo` files.

Added the `tnk` script and a table describing a TDS-compliant structure for `minitoc`.

Updated the `INSTALL` file and the “Installation” chapter.

Added the file `minitoc.tds.zip` (a ZIP archive of a TDS-compliant hierarchy of all files of the package) to the distribution.

Improving the index (entries for: packages and classes, scripts, tools, names, examples, extensions, option, language options).

The names of some internal macros are shortened to fit into the margin.

Indexing the environments and the files.

Indexing the counters and depth counters.

The example files are in their own directory in the (proposed) TDS-compliant hierarchy.

Indexing referenced commands (`begin`).

Added `mongolb.mld` and `mongolb.mlo`.

Removed `mongolb.mlo` (new T2 and X2 cyrillic encodings in `mongolb.mld`).

Added the `mtc-3co.tex` example file.

Added `mongolian.mld` (loads `mongolb.mld`).

Improved the layout of the index.

Indexing the names of authors.

Added the `mtc-fko.tex` example file.

Bibliographic references for packages and classes in the index.

Features in the index.

Added the “open” and “close” features.

Added the `mtc-ocf.tex` example file.

Added the “`\mtcfixnomenclature`” command.

Added the `mtc-nom.tex` example file.

Corrected the last argument of `\mtcsetfeature` and `siblings`, using `\mtc@toks`.

Indexing the messages. Messages noted in the right margin.

Added `latinc.mld` and `latinc2.mld` for classical latin.

Added internal hyperlinks for messages.

Added `\mtcoffset` and `co.` for an horizontal offset of a mini-table.

Added `\mtcsetoffset` for an horizontal offset of a mini-table type.

Added the `mtc-ofs.tex` example file.

Added flagging of macros in example files.

Added a clickable table of all messages.

Added a local `minitoc` in the “Jargon” chapter.

Added `lithuanian2.mld`.

Added `latvian2.mld` and `letton2.mld`.

Added a hint (warning `W0097`) about the `flowfram` [433, 434] package (incompatible).

Added a *hint* (I0053) about the float [302], floatrow [285], trivfloat [484], and rotfloat [420] packages. I0053

Regrouping some marginal notes about messages; improving their positions.

Corrected a bug about minitocs in appendices for the memoir class.

Changed the color of hyperlinks.

Revised the format of headers.

Corrected some `\mtcset...` commands to use `\edef` to correctly evaluate `\mtc@toks`.

Added `swahili.mld`.

Added stuff (files) for maps of areas of some languages.

Added the `bengali` language synonym of `bangla`.

Split the list of files into two tables (tables 7.1 to 7.2 on pages 246–247).

Replaced the `.mtc1` extension by `.mtc0` in the auto-configuration test (to avoid erasing (`\jobname.mtc1` file).

Corrected a problem with `\nofiles` (Andreas DEININGER).

The acknowledgements are moved to the “Complements” part.

Added a hint (warning W0099) about the `titlesec` [46] package. W0099

Complete indexing of the messages.

Updated `lithuanian2.mld`.

Using the `chnpage` package [467] to make increase the width of the pages of the bibliography.

Renamed `\if@longextensions@` as `\if@mtc@longext@`.

Updated `czech.mld`.

Removed `\l@xsection`.

Graphic files are indexed separately.

Added a specific directory for image files in the TDS hierarchy.

Updated `galician.mld`, `lsorbian.mld`, `ukraineb.mld`, and `usorbian.mld`.

Added `malayalam-b.mld`, `malayalam-keli2.mld`, `malayalam-mr.mld`, and `malayalam-rachana3.mld`.

Updated `malayalam-omega.mlo`.

Suppressed parasite entries from the index.

Added `occitan.mld`.

Updated `croatian.mld`, `danish.mld`, `dutch.mld`, `galician.mld`, `germanb2.mld`, `greek.mld`, `icelandic.mld`, `interlingua.mld`, `polish.mld`, `scottish.mld`, and `turkish.mld`.

## 8.17 Developments in 2008

Corrected `polски.mld`.

Added table 6.10 on page 235.

Added many maps about languages and dialects, etc.

Better captions for maps.

Added an entry for the Wikipedia in the jargon.

Split the TDS hierarchy into three tables 7.3 to 7.5 on pages 247–251.

The page numbers in the index are now hyperlinks (thanks to François PÉTIARD).

Colors added in figure 1.1 on page 34.

Corrected an error of message number.

Updated from the `babel` package version v3.8j of 2008/03/16.

Used `\vrefrange` to compress ranges of internal cross-references.

Added flags for many countries.

Added a figure about lusophonia (figure 13.114 on page 601).

Added a figure about germanophonia (figure 13.74 on page 542).

Added a figure about hispanophonia (figure 13.134 on page 624).

Added a figure about italophonia (figure 13.90 on page 563).

Added a minitoc in the index to make it easier to consult (not trivial).

Added figures about francophones countries (figures 13.63 to 13.69 on pages 534–537).

Added a figure about swahili-speaking countries (figure 13.136 on page 626).

Added a figure about arabic-speaking countries (figure 13.18 on page 488).

Added a figure about russian-speaking countries (figure 13.121 on page 607).

Added a figure about english-speaking countries (figure 13.53 on page 521).

Added flags `\ifinparttoc`, `\ifinpartlof`, `\ifinpartlot`, `\ifinminitoc`, `\ifinminilof`, `\ifinminilot`, `\ifinsecttoc`, `\ifinsectlof`, and `\ifinsectlot`.

Added example document `mtc-vti.tex`, section 4.36 on page 151.

Added commands for polymorphic entries: `\mtcpolymtoc`, `\mtcpolymlf`, and `\mtcpolymlot`.

Added a figure about dutch-speaking countries (figure 13.49 on page 518).

Renamed `fminitoc.dtx` and consorts as `minitoc-fr.dtx` and consorts.

Added missing flag files (thanks to Morten HØGHOLM).

Replaced many `.pdf` image files (most of them are flag files) by the original `.png` file because they were corrupted during the conversion by ImageMagick (xpdf didnt see the problem but Acrobat Reader refuses to show the file); many thanks to Heiko OBERDIEK and Staszek WAWRYKIEWICZ.

Back to standard colors and default hyperref color options.

## **Part II**

# **Implementation**



## Contents of the Second Part

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## Chapter 9

# Commented code of the minitoc package

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---

## 9.1 Introduction

This very long chapter presents the code of the minitoc package and attempts to explain it. Some comments of the original source file<sup>1</sup> are skipped, like the history, because they do not need further examination (they will be put in the change history).

The code is split in sections to make the reading easier, and the sections are sometimes reordered to make the reading easier.

Most of the minitoc external commands have `mtc`, `ptc`, `stc`, or one of the mini-table names (`parttoc`, ..., `sectlot`) in their names. Most of the minitoc internal commands have `@mtc`, `@ptc`, `@stc`, or `parttoc@`, ..., `sectlot@` in their names, or a similar convention. The few exceptions should be explicit enough to not conflict with other packages.

## 9.2 Identification code

The code of `minitoc.sty` starts here:



```
2471 (*minitoc)
```

`\NeedsTeXFormat` This code section identifies the package with its name, version number and date. A trace is written in the `document.log` file. This package will not work with L<sup>A</sup>T<sub>E</sub>X 2.09.

I0000
I0001

```
\ProvidesPackage
\mtcPackageInfo
\RequirePackage 2472 \NeedsTeXFormat{LaTeX2e}[1996/06/02]%
2473 \ProvidesPackage{minitoc}%
2474 [2008/07/16 v60 Package minitoc (JPDF)] % message I0000
2475 \RequirePackage{mtcmess}[2006/03/14]
2476 \mtcPackageInfo[I0001]{minitoc}%
2477 {*** minitoc package, version 60 ***\@gobble}
```

## 9.3 A file descriptor to write

`\tf@mtc` A file descriptor is needed to write the files containing the mini-tables, it is `\tf@mtc`. The `\newwrite` minitoc package uses only one file descriptor for writing. See section 9.23 on page 290.

```
2478 \newwrite\tf@mtc
```

<sup>1</sup> The source file of version #42. Version #43 includes the conversion of the package to `.dtx-.ins` format. Version #42 has not been distributed because of that.

## 9.4 Indentation and skip

```

\mtcindent We define the indentation \mtcindent (both sides) of the mini-tables and the command
\mtcskip \mtcskip to make a vertical skip before a mini-table, its value is \mtcskipamount (default:
\mtcskipamount \bigskipamount).
\parskip
\addvspace 2479 \newlength\mtcindent
2480 \newskip\mtcskipamount
2481 \setlength{\mtcskipamount}{\bigskipamount}
2482 \def\mtcskip{\parskip=\z@\addvspace{\mtcskipamount}}

```

Note that `\mtcskip` uses a local group to avoid the influence of `\parskip`.

```

\mtcgapbeforeheads We define the default values for the vertical gaps before and after titles part level mini-tables.
\mtcgapafterheads
2483 \def\mtcgapbeforeheads{50\p@}
2484 \def\mtcgapafterheads{40\p@}

```

```

\@ifundefined We define the vertical kernings between the minitables and their before the bottom rule. The
\kernafterparttoc names of these macros is rather explicit. The values are empirical and can be changed via
\kernafterpartlof \renewcommand.
\kernafterpartlot
\kernaftersecttoc 2485 \@ifundefined{part}{}{%
\kernaftersectlof 2486 \def\kernafterparttoc{\kern-1.\baselineskip\kern.5ex}%
\kernaftersectlot 2487 \def\kernafterpartlof{\kern-1.\baselineskip\kern.5ex}%
\kernafterminitoc 2488 \def\kernafterpartlot{\kern-1.\baselineskip\kern.5ex}%
\kernafterminilof 2489 }%
\kernafterminilot 2490 \@ifundefined{chapter}{}%
2491 \@ifundefined{section}{}%
2492 }%
2493 \def\kernaftersecttoc{\kern-1.\baselineskip\kern.5ex}%
2494 \def\kernaftersectlof{\kern-1.\baselineskip\kern.5ex}%
2495 \def\kernaftersectlot{\kern-1.\baselineskip\kern.5ex}%
2496 }%
2497 }%
2498 }%
2499 \def\kernafterminitoc{\kern-.5\baselineskip\kern.5ex}%
2500 \def\kernafterminilof{\kern-1.\baselineskip\kern0.ex}%
2501 \def\kernafterminilot{\kern-1.\baselineskip\kern0.ex}%
2502 }%

```

```

\@ifundefined We defines horizontal offsets by which the margins in the mini-tables are corrected (added to
  \ptcoffset the right margin and subtracted from the left margin). These are commands, not lengths2, to
  \pfloffset be redefined by \renewcommand.
  \pltoffset
  \mtcoffset 2503 \ifundefined{part}{}{}%
  \mlfoffset 2504 \def\ptcoffset{0pt}%
  \mltoffset 2505 \def\plfoffset{0pt}%
  \sltoffset 2506 \def\pltoffset{0pt}%
  \sfloffset 2507 }%
  \sltoffset 2508 \@ifundefined{chapter}{}%
  2509 \ifundefined{section}{}{}%
  2510 }%
  2511 \def\stcoffset{0pt}%
  2512 \def\slfoffset{0pt}%
  2513 \def\sltoffset{0pt}%
  2514 }%
  2515 }%
  2516 {}%
  2517 \def\mtcoffset{0pt}%
  2518 \def\mlfoffset{0pt}%
  2519 \def\mltoffset{0pt}%
  2520 }%

\ifinparttoc We defines flags which will be true when inside a mini-table of the matching type, false outside.
\ifinpartlof
\ifinpartlot 2521 \newif\ifinparttoc\inparttocfalse%
\ifinminitoc 2522 \newif\ifinpartlof\inpartloffalse%
\ifinminilof 2523 \newif\ifinpartlot\inpartlotfalse%
\ifinminilot 2524 \newif\ifinsecttoc\insecttocfalse%
\ifinsecttoc 2525 \newif\ifinsectlof\insectloffalse%
\ifinsectlof 2526 \newif\ifinsectlot\insectlotfalse%
\ifinsectlot 2527 \newif\ifinminitoc\inminitocfalse%
  2528 \newif\ifinminilof\inminiloffalse%
  2529 \newif\ifinminilot\inminilotfalse%

```

## 9.5 Tests and flags

We need to declare some flags<sup>3</sup> (via `\newif`) to detect the loading of some packages or classes and the availability of some commands (this will be used by the `hints` option (section 9.81 on page 416) or to allow the definition of some minitoc commands).

<sup>2</sup> We avoid to allocate a precious length register.

<sup>3</sup> Not so many years ago, some authors had a preference for using counters rather than flags, because a flag costs 3 control sequences (`\iffoo`, `\foofalse` and `\footrue`), which use memory. But the number of count registers is limited to 256 in the native T<sub>E</sub>X engine (much more with  $\epsilon$ -T<sub>E</sub>X [105], but still limited in number), while memory has become rather cheap today. And a code programmed with flags (`\iffoo ... \else ... \fi`) is easier to structure and debug than a code programmed with counters, IMHO.



### 9.5.1 Flags for the hints option

```
\if@mtc@hints@ But first, we define some flags for the hints option:
\if@mtc@hints@w@
\if@mtc@hints@giben@
```

- The flag `\if@mtc@hints@` is true if the hints option is required (default).
- The flag `\if@mtc@hints@w@` is set true if we detect that some sectioning commands have been altered since the loading of the document class.
- The flag `\if@mtc@hints@given@` is set true if the hints option detects something curious and writes messages in the `document.log` file. It will be used at the end of the document to signal that you should look for hints in the `document.log` file.

```
2530 \newif\if@mtc@hints@ \@mtc@hints@true
2531 \newif\if@mtc@hints@w@ \@mtc@hints@w@false
2532 \newif\if@mtc@hints@given@ \@mtc@hints@given@false
```

### 9.5.2 Use of section-level mini-lists of floats

```
\if@mtc@sect@floats@ We will check if the commands \dosectlof and \dosectlot are used:
\dosectlof
\dosectlot 2533 \newif\if@mtc@sect@floats@ \@mtc@sect@floats@false
```

### 9.5.3 Presence of some packages and classes

```
\if@mtc@placeinsLoaded@ We will check if the placeins package is loaded, then if the memoir is loaded (and if it is a
\if@mtc@memoirLoaded@ recent enough version), then if the sectsty package is loaded (before or after minitoc).
\if@mtc@memoirnew@
\if@mtc@sectstyLoaded@ 2534 \newif\if@mtc@placeinsLoaded@ \@mtc@placeinsLoaded@false
\if@mtc@sectstyLoaded@a@ 2535 \newif\if@mtc@memoirLoaded@ \@mtc@memoirLoaded@false
2536 \newif\if@mtc@memoirnew@ \@mtc@memoirnew@false
2537 \newif\if@mtc@sectstyLoaded@ \@mtc@sectstyLoaded@false
2538 \newif\if@mtc@sectstyLoaded@a@ \@mtc@sectstyLoaded@a@false
```

```
\if@mtc@captionLoaded@ We do the same for some caption-related packages:
\if@mtc@captionLoaded@a@
\if@mtc@captionIILoaded@ 2539 \newif\if@mtc@captionLoaded@ \@mtc@captionLoaded@false
\if@mtc@captionIILoaded@a@ 2540 \newif\if@mtc@captionLoaded@a@ \@mtc@captionLoaded@a@false
\if@mtc@captionLoaded@ 2541 \newif\if@mtc@captionIILoaded@ \@mtc@captionIILoaded@false
\if@mtc@ccaptionLoaded@a@ 2542 \newif\if@mtc@captionIILoaded@a@ \@mtc@captionIILoaded@a@false
\if@mtc@captionLoaded@ 2543 \newif\if@mtc@ccaptionLoaded@ \@mtc@ccaptionLoaded@false
\if@mtc@mcaptionLoaded@a@ 2544 \newif\if@mtc@ccaptionLoaded@a@ \@mtc@ccaptionLoaded@a@false
\if@mtc@captcontLoaded@ 2545 \newif\if@mtc@mcaptionLoaded@ \@mtc@mcaptionLoaded@false
\if@mtc@captcontLoaded@a@
```

```

2546 \newif\if@mtc@mcaptionLoaded@a@ \@mtc@mcaptionLoaded@a@false
2547 \newif\if@mtc@captcontLoaded@ \@mtc@captcontLoaded@false
2548 \newif\if@mtc@captcontLoaded@a@ \@mtc@captcontLoaded@a@false

```

```

\if@mtc@varsectsLoaded@ And the varsects package and other packages altering the sectionning commands:
\if@mtc@varsectsLoaded@a@
\if@mtc@fncychapLoaded@ 2549 \newif\if@mtc@varsectsLoaded@ \@mtc@varsectsLoaded@false
\if@mtc@fncychapLoaded@a@ 2550 \newif\if@mtc@varsectsLoaded@a@ \@mtc@varsectsLoaded@a@false
\if@mtc@HgcLoaded@ 2551 \newif\if@mtc@fncychapLoaded@ \@mtc@fncychapLoaded@false
\if@mtc@HgcLoaded@a@ 2552 \newif\if@mtc@fncychapLoaded@a@ \@mtc@fncychapLoaded@a@false
\if@mtc@quotchapLoaded@ 2553 \newif\if@mtc@HgcLoaded@ \@mtc@HgcLoaded@false
\if@mtc@quotchapLoaded@a@ 2554 \newif\if@mtc@HgcLoaded@a@ \@mtc@HgcLoaded@a@false
2555 \newif\if@mtc@quotchapLoaded@ \@mtc@quotchapLoaded@false
2556 \newif\if@mtc@quotchapLoaded@a@ \@mtc@quotchapLoaded@a@false

```

```

\if@mtc@romannumLoaded@ And yet other packages altering the sectionning commands:
\if@mtc@romannumLoaded@a@
\if@mtc@sfheadersLoaded@ 2557 \newif\if@mtc@romannumLoaded@ \@mtc@romannumLoaded@false
\if@mtc@sfheadersLoaded@a@ 2558 \newif\if@mtc@romannumLoaded@a@ \@mtc@romannumLoaded@a@false
\if@mtc@alnumsecLoaded@ 2559 \newif\if@mtc@sfheadersLoaded@ \@mtc@sfheadersLoaded@false
\if@mtc@alnumsecLoaded@a@ 2560 \newif\if@mtc@sfheadersLoaded@a@ \@mtc@sfheadersLoaded@a@false
2561 \newif\if@mtc@alnumsecLoaded@ \@mtc@alnumsecLoaded@false
2562 \newif\if@mtc@alnumsecLoaded@a@ \@mtc@alnumsecLoaded@a@false

```

### 9.5.4 Flags for packages dealing with floats

```

\if@mtc@floatLoaded@ We must warn about a limitation with the float [302], floatrow [285], trivfloat [484], and
\if@mtc@floatrowLoaded@ rotfloat [420] packages.
\if@mtc@trivfloatLoaded@
\if@mtc@rotfloatLoaded@ 2563 \newif\if@mtc@floatLoaded@ \@mtc@floatLoaded@false
2564 \newif\if@mtc@floatrowLoaded@ \@mtc@floatrowLoaded@false
2565 \newif\if@mtc@trivfloatLoaded@ \@mtc@trivfloatLoaded@false
2566 \newif\if@mtc@rotfloatLoaded@ \@mtc@rotfloatLoaded@false

```

### 9.5.5 Insertion of empty mini-tables

```

\if@mtc@empty@parttoc@ We will check if you have attempted to insert some empty mini-tables:
\if@mtc@empty@partlof@
\if@mtc@empty@partlot@ 2567 \newif\if@mtc@empty@parttoc@ \@mtc@empty@parttoc@false
\if@mtc@empty@minitoc@ 2568 \newif\if@mtc@empty@partlof@ \@mtc@empty@partlof@false
\if@mtc@empty@minitoc@ 2569 \newif\if@mtc@empty@partlot@ \@mtc@empty@partlot@false
\if@mtc@empty@minilof@ 2570 \newif\if@mtc@empty@minitoc@ \@mtc@empty@minitoc@false
\if@mtc@empty@minilof@ 2571 \newif\if@mtc@empty@minilof@ \@mtc@empty@minilof@false
\if@mtc@empty@sectlof@ 2572 \newif\if@mtc@empty@minilot@ \@mtc@empty@minilot@false
\if@mtc@empty@sectlof@ 2573 \newif\if@mtc@empty@secttoc@ \@mtc@empty@secttoc@false
\if@mtc@empty@sectlot@ 2574 \newif\if@mtc@empty@sectlof@ \@mtc@empty@sectlof@false
2575 \newif\if@mtc@empty@sectlot@ \@mtc@empty@sectlot@false

```

### 9.5.6 Presence or absence of some sectionning commands

We define and set flags about the presence of the sectionning commands (in fact, the counters associated with these commands).

`\if@mtc@part@def@` The part counter:

```

2576 \newif\if@mtc@part@def@ \@mtc@part@def@false
2577 \ifundefined{part}{\@mtc@part@def@false}{\@mtc@part@def@true}

```

`\if@mtc@chapter@def@` The chapter counter:

```

2578 \newif\if@mtc@chapter@def@ \@mtc@chapter@def@false
2579 \ifundefined{chapter}{\@mtc@chapter@def@false}{\@mtc@chapter@def@true}

```

`\if@mtc@section@def@` The section counter:

```

2580 \newif\if@mtc@section@def@ \@mtc@section@def@false
2581 \ifundefined{section}{\@mtc@section@def@false}{\@mtc@section@def@true}

```

We define and set flags about the absence of the sectionning commands.

`\if@mtc@part@undef@` The part counter:

```

2582 \newif\if@mtc@part@undef@ \@mtc@part@undef@true
2583 \ifundefined{part}{\@mtc@part@undef@true}{\@mtc@part@undef@false}

```

`\if@mtc@chapter@undef@` The chapter counter:

```
2584 \newif\if@mtc@chapter@undef@ \@mtc@chapter@undef@true
2585 \ifundefined{chapter}{\@mtc@chapter@undef@true}{\@mtc@chapter@undef@false}
```

`\if@mtc@section@undef@` The section counter:

```
2586 \newif\if@mtc@section@undef@ \@mtc@section@undef@true
2587 \ifundefined{section}{\@mtc@section@undef@true}{\@mtc@section@undef@false}
```

### 9.5.7 Flags to check if some commands are used

We define a pair of flags for each mini-table type: one for the command itself and one for the preparation command (`\do...`). These flags will be used by the hints package option (section 9.81 on page 416).

`\if@parttoc@used@` For the part level:

```
\if@partlof@used@
\if@partlot@used@ 2588 \newif\if@parttoc@used@ \global\@parttoc@used@false
\if@doparttoc@used@ 2589 \newif\if@partlof@used@ \global\@partlof@used@false
\if@dopartlof@used@ 2590 \newif\if@partlot@used@ \global\@partlot@used@false
\if@dopartlot@used@ 2591 \newif\if@doparttoc@used@ \global\@doparttoc@used@false
2592 \newif\if@dopartlof@used@ \global\@dopartlof@used@false
2593 \newif\if@dopartlot@used@ \global\@dopartlot@used@false
```

`\if@minitoc@used@` For the chapter level:

```
\if@minilof@used@
\if@minilot@used@ 2594 \newif\if@minitoc@used@ \global\@minitoc@used@false
\if@dominitoc@used@ 2595 \newif\if@minilof@used@ \global\@minilof@used@false
\if@dominilof@used@ 2596 \newif\if@minilot@used@ \global\@minilot@used@false
\if@dominilot@used@ 2597 \newif\if@dominitoc@used@ \global\@dominitoc@used@false
2598 \newif\if@dominilof@used@ \global\@dominilof@used@false
2599 \newif\if@dominilot@used@ \global\@dominilot@used@false
```

`\if@secttoc@used@` For the section level:

```
\if@sectlof@used@
\if@sectlot@used@ 2600 \newif\if@secttoc@used@ \global\@secttoc@used@false
\if@dosecttoc@used@ 2601 \newif\if@sectlof@used@ \global\@sectlof@used@false
\if@dosectlof@used@ 2602 \newif\if@sectlot@used@ \global\@sectlot@used@false
\if@dosectlot@used@ 2603 \newif\if@dosecttoc@used@ \global\@dosecttoc@used@false
2604 \newif\if@dosectlof@used@ \global\@dosectlof@used@false
2605 \newif\if@dosectlot@used@ \global\@dosectlot@used@false
```

```

\if@firstpartis@used@ We also detect the use of some obsolete commands:
\if@firstchapteris@used@
\if@firstsectionis@used@ 2606 \newif\if@firstpartis@used@ \global\@firstpartis@used@false
2607 \newif\if@firstchapteris@used@ \global\@firstchapteris@used@false
2608 \newif\if@firstsectionis@used@ \global\@firstsectionis@used@false

```

### 9.5.8 Check if the document has exactly 2 parts

`\ifmtcsecondpart` In french, the ordinal adjective is “deuxième” if the second object is not the last object, but “second” (masculine) or “seconde” (feminine) when it is also the last one (see [251, page 204]). So we define a specific flag:

```
2609 \newif\ifmtcsecondpart \mtcsecondpartfalse
```

`\AtBeginDocument` At the beginning of the document, we test this flag and make it global:  
`\ifmtcsecondpart`

```

2610 \AtBeginDocument{%
2611   \ifmtcsecondpart
2612   \global\mtcsecondparttrue
2613   \else
2614     \global\mtcsecondpartfalse
2615   \fi}

```

`\AtEndDocument` At the end of the document, we set and memorize the value of the flag in the .aux file:  
`\ifmtcsecondpart`

```

\@mainaux 2616 \AtEndDocument{%
2617 \ifnum\value{part}=2\relax
2618   \mtcsecondparttrue
2619 \else
2620   \mtcsecondpartfalse
2621 \fi
2622 \if@filesw
2623   \ifmtcsecondpart
2624     \immediate\write\@mainaux
2625       {\string\global\string\mtcsecondparttrue}%
2626   \else
2627     \immediate\write\@mainaux
2628       {\string\global\string\mtcsecondpartfalse}%
2629   \fi
2630 \fi}

```

So we need two L<sup>A</sup>T<sub>E</sub>X runs to get a correct result. The french2.mld language definition file (see section 13.62 on page 536) uses this trick to form the titles of part level mini-tables. See the mtc-2nd.tex example file in section 4.2 on page 95.

## 9.6 Preparation for the notoccite option

`\mtc@hook@beforeinputfile` We declare a flag for the presence of this option and the new internal “hook” command  
`\if@mtc@notoccite@` (redefinable command) `\mtc@hook@beforeinputfile`, used by this option (this has been  
 requested by Donald ARSENEAU for his notoccite package [14]). See section 1.6 on page 55.

```
2631 \newif\if@mtc@notoccite@ \@mtc@notoccite@false
2632 \@ifundefined{mtc@hook@beforeinputfile}%
2633   {\let\mtc@hook@beforeinputfile\relax}{}}
```

## 9.7 Preparation for the tight and k-tight options

`\iftightmtc` We just declare a flag for each of these options; they are set false by default (loose and  
`\ifktightmtc` k-loose options):

```
2634 \newif\iftightmtc \tightmtcfalse
2635 \newif\ifktightmtc \ktightmtcfalse
```

## 9.8 Preparation to work with hyperref

`\AtBeginDocument` This code prepares the interface with the hyperref package [390]. A flag is defined, then  
`\if@mtc@hyper@used@` this preparation is performed in an `\AtBeginDocument` block if this package is loaded. This  
`\@ifpackageloaded` action defines some commands for the hyperref package.

I0005

```
2636 \mtcPackageInfo[I0005]{minitoc}{compatible with hyperref\@gobble}
2637 \newif\if@mtc@hyper@used@ \global\@mtc@hyper@used@false
2638 \AtBeginDocument{%
2639   \@ifpackageloaded{hyperref}{%
2640     \global\@mtc@hyper@used@true
2641     \def\toclevel@xpart{1000}%
2642     \def\toclevel@xchapter{1000}%
2643     \def\toclevel@xssect{1000}%
2644     \let\toclevel@starpart\toclevel@part
2645     \let\toclevel@starchapter\toclevel@chapter
2646     \let\toclevel@starsection\toclevel@section
2647     \let\toclevel@starsubsection\toclevel@subsection
2648     \let\toclevel@starsubsubsection\toclevel@subsubsection
2649     \let\toclevel@starparagraph\toclevel@paragraph
2650     \let\toclevel@starsubparagraph\toclevel@subparagraph
2651   }{}}%
```

## 9.9 Checking the presence of some packages

### 9.9.1 Check if the sectsty package is loaded, and when

```

\AtBeginDocument We must test if the sectsty package [319] is loaded before or after minitoc, so we test when
\if@mtc@sectstyLoaded@ minitoc is loaded and also in an \AtBeginDocument block, when all packages have been
\if@mtc@sectstyLoaded@a@ loaded. See section 9.81.2.6 on page 433.
\@ifpackageloaded
2652 \@ifpackageloaded{sectsty}{\@mtc@sectstyLoaded@true}{}%
2653 \AtBeginDocument{\@ifpackageloaded{sectsty}{\@mtc@sectstyLoaded@a@true}{}%

```

### 9.9.2 Check if the varsects package is loaded, and when

```

\@ifpackageloaded We must test if the varsects package [437] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@varsectsLoaded@ been loaded. See section 9.81.2.7 on page 433.
\if@mtc@varsectsLoaded@a@
2654 \@ifpackageloaded{varsects}{\@mtc@varsectsLoaded@true}{}
2655 \AtBeginDocument{\@ifpackageloaded{varsects}{\@mtc@varsectsLoaded@a@true}{}%

```

### 9.9.3 Check if the fncychap package is loaded, and when

```

\@ifpackageloaded We must test if the fncychap package [301] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@fncychapLoaded@ been loaded. See section 9.81.2.8 on page 434.
\if@mtc@fncychapLoaded@a@
2656 \@ifpackageloaded{fncychap}{\@mtc@fncychapLoaded@true}{}
2657 \AtBeginDocument{\@ifpackageloaded{fncychap}{\@mtc@fncychapLoaded@a@true}{}%

```

### 9.9.4 Check if the hangcaption package is loaded, and when

```

\@ifpackageloaded We must test if the hangcaption package [250] is loaded before or after minitoc, so we
\AtBeginDocument test when minitoc is loaded and also in an \AtBeginDocument block, when all packages
\if@mtc@HgcLoaded@ have been loaded. See section 9.81.2.9 on page 434.
\if@mtc@HgcLoaded@a@
2658 \@ifpackageloaded{hangcaption}{\@mtc@HgcLoaded@true}{}
2659 \AtBeginDocument{\@ifpackageloaded{hangcaption}{\@mtc@HgcLoaded@a@true}{}%

```

### 9.9.5 Check if the quotchap package is loaded, and when

```

\@ifpackageloaded We must test if the quotchap package [442] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@quotchapLoaded@ been loaded. See section 9.81.2.10 on page 435.
\if@mtc@quotchapLoaded@a@

2660 \@ifpackageloaded{quotchap}{\@mtc@quotchapLoaded@true}{}%
2661 \AtBeginDocument{\@ifpackageloaded{quotchap}{\@mtc@quotchapLoaded@a@true}{}%

```

### 9.9.6 Check if the romannum package is loaded, and when

```

\@ifpackageloaded We must test if the romannum package [480] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@romannumLoaded@ been loaded. See section 9.81.2.11 on page 435.
\if@mtc@romannumLoaded@a@

2662 \@ifpackageloaded{romannum}{\@mtc@romannumLoaded@true}{}%
2663 \AtBeginDocument{\@ifpackageloaded{romannum}{\@mtc@romannumLoaded@a@true}{}%

```

### 9.9.7 Check if the sfheaders package is loaded, and when

```

\@ifpackageloaded We must test if the sfheaders package [304] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@sfheadersLoaded@ been loaded. See section 9.81.2.12 on page 435.
\if@mtc@sfheadersLoaded@a@

2664 \@ifpackageloaded{sfheaders}{\@mtc@sfheadersLoaded@true}{}%
2665 \AtBeginDocument{\@ifpackageloaded{sfheaders}{\@mtc@sfheadersLoaded@a@true}{}%

```

### 9.9.8 Check if the alnumsec package is loaded, and when

```

\@ifpackageloaded We must test if the alnumsec package [274] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@alnumsecLoaded@ been loaded. See section 9.81.2.13 on page 436.
\if@mtc@alnumsecLoaded@a@

2666 \@ifpackageloaded{alnumsec}{\@mtc@alnumsecLoaded@true}{}%
2667 \AtBeginDocument{\@ifpackageloaded{alnumsec}{\@mtc@alnumsecLoaded@a@true}{}%

```



### 9.9.9 Check if the captcont package is loaded, and when

```

\@ifpackageloaded We must test if the captcont package [131] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@captcontLoaded@ been loaded. See section 9.81.2.14 on page 436.
\if@mtc@captcontLoaded@a@
2668 \@ifpackageloaded{captcont}{\@mtc@captcontLoaded@true}{}%
2669 \AtBeginDocument{\@ifpackageloaded{captcont}{\@mtc@captcontLoaded@a@true}{}%

```

### 9.9.10 Check if the caption package is loaded, and when

```

\@ifpackageloaded We must test if the caption package [421, 422, 424] is loaded before or after minitoc, so we
\AtBeginDocument test when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@captionLoaded@ been loaded. See section 9.81.2.15 on page 436.
\if@mtc@captionLoaded@a@
2670 \@ifpackageloaded{caption}{\@mtc@captionLoaded@true}{}%
2671 \AtBeginDocument{\@ifpackageloaded{caption}{\@mtc@captionLoaded@a@true}{}%

```

### 9.9.11 Check if the caption2 package is loaded, and when

```

\@ifpackageloaded We must test if the caption2 package [423] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@captionIILoaded@ been loaded. See section 9.81.2.16 on page 437.
\if@mtc@captionIILoaded@a@
2672 \@ifpackageloaded{caption2}{\@mtc@captionIILoaded@true}{}%
2673 \AtBeginDocument{\@ifpackageloaded{caption2}{\@mtc@captionIILoaded@a@true}{}%

```

### 9.9.12 Check if the ccaption package is loaded, and when

```

\@ifpackageloaded We must test if the ccaption package [474] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@ccaptionLoaded@ been loaded. See section 9.81.2.17 on page 437.
\if@mtc@ccaptionLoaded@a@
2674 \@ifpackageloaded{ccaption}{\@mtc@ccaptionLoaded@true}{}%
2675 \AtBeginDocument{\@ifpackageloaded{ccaption}{\@mtc@ccaptionLoaded@a@true}{}%

```

**9.9.13 Check if the mcaption package is loaded, and when**

```

\@ifpackageloaded We must test if the mcaption package [228] is loaded before or after minitoc, so we test
\AtBeginDocument when minitoc is loaded and also in an \AtBeginDocument block, when all packages have
\if@mtc@mcaptionLoaded@ been loaded. See section 9.81.2.18 on page 437.
\if@mtc@mcaptionLoaded@a@
2676 \@ifpackageloaded{mcaption}{\@mtc@mcaptionLoaded@true}{}%
2677 \AtBeginDocument{\@ifpackageloaded{mcaption}{\@mtc@mcaptionLoaded@a@true}{}%

```

**9.9.14 Check if the float package is loaded**

```

\@ifpackageloaded We must test if the float package [302] is loaded in the preamble, so we use an
\AtBeginDocument \AtBeginDocument block. See section 9.81.2.19 on page 438.
\if@mtc@floatLoaded@
2678 \AtBeginDocument{\@ifpackageloaded{float}{\@mtc@floatLoaded@true}{}%

```

**9.9.15 Check if the floatrow package is loaded**

```

\@ifpackageloaded We must test if the floatrow package [285] is loaded in the preamble, so we use an
\AtBeginDocument \AtBeginDocument block. See section 9.81.2.20 on page 438.
\if@mtc@floatrowLoaded@
2679 \AtBeginDocument{\@ifpackageloaded{floatrow}{\@mtc@floatrowLoaded@true}{}%

```

**9.9.16 Check if the trivfloat package is loaded**

```

\@ifpackageloaded We must test if the trivfloat package [484] is loaded in the preamble, so we use an
\AtBeginDocument \AtBeginDocument block. See section 9.81.2.21 on page 438.
\if@mtc@trivfloatLoaded@
2680 \AtBeginDocument{\@ifpackageloaded{trivfloat}{\@mtc@trivfloatLoaded@true}{}%

```

**9.9.17 Check if the rotfloat package is loaded**

```

\@ifpackageloaded We must test if the rotfloat package [420] is loaded in the preamble, so we use an
\AtBeginDocument \AtBeginDocument block. See section 9.81.2.22 on page 439.
\if@mtc@rotfloatLoaded@
2681 \AtBeginDocument{\@ifpackageloaded{rotfloat}{\@mtc@rotfloatLoaded@true}{}%

```

## 9.10 Is the memoir class loaded?

```
\@ifclassloaded We test if the memoir [479, 481, 482] class is loaded. This class needs some compatibility
\if@mtc@memoirLoaded@ adjustments or may be incompatible if too recent. In the later case, a patch is inserted (see
\if@mtc@memoirnew@ chapter 12 on page 467). This correction is no more necessary after the 2005/09/25 version of
\if@mtcpatchmemoir@ memoir.cls.
```

I0030

I0020

I0027

I0032

```
2682 \newif\if@mtcpatchmemoir@ \@mtcpatchmemoir@false
2683 \@ifclassloaded{memoir}{\@mtc@memoirLoaded@true\relax%
2684     \mtcPackageInfo[I0030]{minitoc}%
2685     {the memoir class is loaded:
2686     \MessageBreak
2687     compatibility attempted\@gobble}}%
2688     {\@mtc@memoirLoaded@false}
2689 \if@mtc@memoirLoaded@
2690 \@ifundefined{@m@chapter}%
2691     {\@mtc@memoirnew@false\mtcPackageInfo[I0020]{minitoc}%
2692     {old version of the memoir class\@gobble}}
2693     {\@mtc@memoirnew@true\mtcPackageInfo[I0027]{minitoc}%
2694     {recent version of the memoir class\@gobble}
2695     \mtcPackageInfo[I0032]{minitoc}%
2696     {This version of the memoir class uses
2697     \MessageBreak
2698     a version of \string\chapter\space which is
2699     \MessageBreak
2700     incompatible with the minitoc package.
2701     \MessageBreak
2702     We try to patch\@gobble}%
2703     \@mtcpatchmemoir@true}
2704 \fi
```

```
\if@mtcpatchmemoir@ And now the patch:
```

E0028

```
2705 \if@mtcpatchmemoir@
2706 \IfFileExists{mtcpatchmem.sty}{%
2707     \@ifclasslater{memoir}{2005/09/25}{\RequirePackage{mtcpatchmem}}}{%
2708     \mtcPackageError[E0028]{minitoc}%
2709     {Unable to patch the memoir class}%
2710     {So it remains incompatible. Sorry.}}
2711 \fi
```

## 9.11 Testing the emptiness of a file

```
\mtc@ifmtarg Some macros for testing if an argument of a macro is empty (taken from the package
\mtc@xifmtarg ifmtarg [483], by Peter R. WILSON and Donald ARSENEAU, and from while.tip, by
\mtc@EndWhile
\mtc@WhilePreCondition
\mtc@WhileCondition
\mtc@WhileBody
\mtc@While
\mtc@WhileNext
```

Stephan P. VON BECHTOLSHEIM [460, Vol III, page 408]). The group is necessary to keep local the catcode change of “Q”, hence a `\gdef` is needed for `\mtc@ifmtarg`.

```

2712 \begingroup
2713 \catcode'\Q=3
2714 \long\gdef\mtc@ifmtarg#1{%
2715 \mtc@ifmtarg#1Q\@secondoftwo\@firstoftwo\@nil}
2716 \long\gdef\mtc@ifmtarg#1#2Q#3#4#5\@nil{#4}
2717 \endgroup
2718 \let\mtc@EndWhile = \fi
2719 \def\mtc@While #1#2#3\mtc@EndWhile{%
2720   \def\mtc@WhilePreCondition{#1}%
2721   \def\mtc@WhileCondition{#2}%
2722   \def\mtc@WhileBody{#3}%
2723   \mtc@@While
2724 }
2725 \def\mtc@@While{%
2726   \mtc@WhilePreCondition
2727   \mtc@WhileCondition
2728   \def\mtc@WhileNext{%
2729     \mtc@WhileBody
2730     \mtc@@While
2731   }%
2732   \else
2733   \def\mtc@WhileNext{}%
2734   \fi
2735   \mtc@WhileNext
2736 }

```

```

\if@mtc@checkfiles Some macros to test if a file is empty or not: \mtc@CkFile{file} returns \@mtc@FEtrue
  \if@mtc@FE if the file is empty, \@mtc@FEfalse if the is file not empty. An inexistent file is empty.
  \if@mtc@LI A file full of white space (space, tabulation, newline) is empty. Comments are empty.
  \mtc@While
  \mtc@Body Note: on a big empty file, the \mtc@While loop may be time consuming, but not an
\mtc@EndWhile eternity (33 s for 106 lines on my computer), and the first non-empty line stops the loop.
  \mtc@CkFile \jobname.mtc is used as scratch file. Its contents is erased after use.
  \mtc@CkStr
  \mtc@Rline 2737 \newif\if@mtc@LI\@mtc@LItrue
  \tf@mtc 2738 \newif\if@mtc@FE\@mtc@FEtrue
\@inputcheck 2739 \newif\if@mtc@checkfiles\@mtc@checkfilestrue
2740 \def\mtc@Body{\immediate\read\@inputcheck to \mtc@Rline\relax
2741 \ifeof\@inputcheck\relax\@mtc@LIfalse\fi
2742 \expandafter\ifx\mtc@Rline\par\relax
2743 \def\mtc@Rline{}}
2744 \else
2745 \ifeof\@inputcheck\relax\global\@mtc@LIfalse\fi
2746 \mtc@ifmtarg{\mtc@Rline}{\relax}{\@mtc@FEfalse\@mtc@LIfalse}
2747 \fi}
2748 \def\mtc@CkFile#1{%
2749 \@mtc@LItrue\@mtc@FEtrue
2750 \if@mtc@checkfiles

```

```

2751 \IfFileExists{#1}{%
2752   \immediate\openin\@inputcheck #1\relax
2753   \mtc@While{}{\if@mtc@LI\relax}{\mtc@Body}\mtc@EndWhile}%
2754   {\@mtc@FEtrue}%
2755   \else
2756   \@mtc@FEfalse%
2757   \fi}
2758 \closein\@inputcheck\relax
2759 \def\mtc@CkStr#1{%
2760   \immediate\openout\tf@mtc \jobname.mtc
2761   \immediate\write\tf@mtc{#1}%
2762   \immediate\closeout\tf@mtc
2763   \mtc@CkFile{\jobname.mtc}%
2764   \immediate\openout\tf@mtc \jobname.mtc
2765   \immediate\closeout\tf@mtc}

```

## 9.12 Internal macros to decrement minitoc counters

`\mtc@onebackpart` It is sometimes necessary to decrement a minitoc counter (ptc, mtc or stc) by one. These  
`\mtc@onebackchapter` macros are:  
`\mtc@onebacksection`

```

\addtocounter 2766 \def\mtc@onebackpart{\addtocounter{ptc}{-1}}
                2767 \def\mtc@onebackchap{\addtocounter{mtc}{-1}}
                2768 \def\mtc@onebacksect{\addtocounter{stc}{-1}}

```

## 9.13 Patching the `\part` command

`\part` If the `\part` command is not defined (by the document class, usually), we cannot patch it and  
`\mtc@svspart` a warning is displayed<sup>4</sup>. Else, we patch its two branches, `\@part` (for the unstarred version)  
`\mtc@svpart` or `\@spart` (for the starred version, `\part*`): we add `\stepcounter{ptc}` to increment the  
`\@spart` parttoc counter ptc. See also section 9.51 on page 341.

`\@part`  
`\stepcounter` The code of the next section (section 9.14 on the following page) is also skipped if `\part` is  
not defined.

```

2769 \@ifundefined{part}{%
2770   \mtcPackageWarningNoLine[W0018]{minitoc}%
2771   {part level macros NOT available}
2772 }{%% else undefined part (\part defined)
2773   \mtcPackageInfo[I0023]{minitoc}%
2774   {part level macros available\@gobble}
2775   \let\mtc@svspart\@spart

```

<sup>4</sup> Document classes with sectioning commands but no `\part` command are likely non standard, hence the warning displayed on the terminal.

```

2776 \def\@spart{\stepcounter{ptc}\mtc@svspart}
2777 \let\mtc@svpart\@part
2778 \def\@part{\stepcounter{ptc}\mtc@svpart}

```

## 9.14 Adding an entry in the TOC for a starred part

`\mtcaddpart` To add an entry in the TOC for a starred part, we need the `\mtcaddpart` macro, which has an optional argument, the title of the part as it should appear in the TOC.

`\mtc@ifmtarg`

`\contentsline` By default, this argument is empty. If it is empty (tested via `\mtc@ifmtarg`) or omitted, we add a `\contentsline{xpart}{}`... line in the `.toc` file. If it is not empty, we add a `\contentsline{part}{title...}`... line in the `.toc` file. We always add a `\contentsline{xpart}{}`... line in the `.lof` and `.lot` files. Then we increment the `ptc` counter, via `\adjustptc` (defined in section 9.45 on page 328). Using `xpart` as first argument of `\contentsline` means that `\l@xpart` will be invoked in place of `\l@part` to print the entry in the TOC, but `\l@xpart` uses a huge depth (10 000) for this entry, hence it will never be really printed (except if you cheat).

```

2779 \newcommand{\mtcaddpart}[1][ ]{%
2780   \mtc@ifmtarg{#1}{\addcontentsline{toc}{xpart}{}}%
2781   {\addcontentsline{toc}{part}{#1}}%
2782   \addcontentsline{lof}{xpart}{}%
2783   \addcontentsline{lot}{xpart}{}%
2784   \adjustptc}

```

This code terminates (temporarily) the part level commands.

```
2785 }%
```

## 9.15 Section level macros

`\chapter` The section level macros are defined if `\chapter` is not defined and `\section` defined, i.e., in document classes like `article`, but not in document classes like `book` or `report`. So we test if `\chapter` is defined and if `\section` is defined, with adequate warnings. If neither are defined, you are in big trouble to use the minitoc package with the class of your document.

```

2786 \@ifundefined{chapter}{\mtcPackageInfo[I0004]{minitoc}%
2787   {chapter level macros NOT available\@gobble}%
2788   \@ifundefined{section}{\mtcPackageInfo[I0029]{minitoc}%
2789   {section level macros NOT available\@gobble}%
2790   \mtcPackageWarningNoLine[W0017]{minitoc}%
2791   {no section or chapter level macros available
2792   \MessageBreak
2793   PLEASE VERIFY YOUR MAIN DOCUMENT CLASS}}%

```

I0004
I0029
W0017
I0028

```
2794 {\mtcPackageInfo[I0028]{minitoc}%
2795      {section level macros available\@gobble}%
```

## 9.16 Corrections for numbering

```
\mtc@onebacksect As the TOC, the LOF and the LOT are considered as (starred) sections, we must decrement
\tableofcontents the sectoc counter (stc) via \mtc@onebacksect when the corresponding commands are
\listoffigures executed. Hence we patch these commands.
\listoftables

\mtcsv@tableofcontents 2796 \let\mtcsv@tableofcontents\tableofcontents
\mtcsv@listoffigures 2797 \let\mtcsv@listoffigures\listoffigures
\mtcsv@listoftables 2798 \let\mtcsv@listoftables\listoftables
2799 \def\tableofcontents{\mtcsv@tableofcontents\mtc@onebacksect}
2800 \def\listoffigures{\mtcsv@listoffigures\mtc@onebacksect}
2801 \def\listoftables{\mtcsv@listoftables\mtc@onebacksect}
```

## 9.17 Patching the \section command

```
\mtc@svsection If the \section command is not defined (by the document class, usually), we cannot patch it
\mtc@svss and a warning is displayed. Else, we patch its two branches, \@sect (for the unstarred version)
\@ssect or \@ssect (for the starred version, \section*): we add \stepcounter{stc} to increment
\@sect the sectoc counter stc, only in the unstarred case5.
\section
\stepcounter 2802 \let\mtc@svsection\section
2803 \def\section{\stepcounter{stc}\mtc@svsection}
2804 \let\mtc@svss\@ssect
```

## 9.18 Adding an entry in the TOC for a starred section

```
\mtcaddsection To add an entry in the TOC for a starred section, we need the \mtcaddsection macro,
\mtc@ifmtarg which has an optional argument, the title of the section as it should appear in the TOC.
\contentsline By default, this argument is empty. If it is empty (tested via \mtc@ifmtarg) or omitted,
\adjuststc we add a \contentsline{xsect}{...}... line in the .toc file. If it is not empty, we
\l@xsect add a \contentsline{section}{title...}... line in the .toc file. We always add a
\l@section \contentsline{xsect}{...}... line in the .lof and .lot files. Then we increment the
stc counter, via \adjuststc (this command is defined in section 9.54 on page 352). Using
xsect as first argument of \contentsline means that \l@xsect will be invoked in place
```

<sup>5</sup> Version #25 has removed a spurious decrementation of this counter.

of `\l@section` to print the entry in the TOC, but `\l@xsect` uses a huge depth (10 000) for this entry, hence it will never be really printed (except if you cheat).

```
2805 \newcommand{\mtcaddsection}[1][1][1]{%
2806     \mtc@ifmtarg{#1}{\addcontentsline{toc}{xsect}{}}%
2807         {\addcontentsline{toc}{section}{#1}}%
2808     \addcontentsline{lof}{xsect}{}}%
2809     \addcontentsline{lot}{xsect}{}}%
2810     \adjuststc}
```

This code terminates (temporarily) the section level commands, and we continue with chapter level macros.

```
2811 } }{%
```

## 9.19 Chapter level macros

`\chapter` The chapter level macros are defined if `\chapter` is defined, i.e., in document classes like `book` or `report`. So we test if `\chapter` is defined, with adequate warnings. The test is already done above, we are in the “else” branch of `\@ifundefined{chapter}`.

I0003

```
2812 \mtcPackageInfo[I0003]{minitoc}{chapter level macros available\@gobble}
```

## 9.20 Patching the `\chapter` command

`\chapter` The `\chapter` command is defined (by the document class, usually). We patch its two branches, `\@chapter` (for the unstarred version) or `\@schapter` (for the starred version, `\chapter*`): we add call to `\stepcounter{mtc}` to increment the minitoc counter `mtc`. `\mtc@svchapter` Only the unstarred branch (`\@chapter`) is patched here. The other branch is patched later (section 9.36 on page 312).

```
2813 \let\mtc@svchapter\@chapter \def\@chapter{\stepcounter{mtc}\mtc@svchapter}
```

## 9.21 Adding an entry in the TOC for a starred chapter

`\mtcaddchapter` To add an entry in the TOC for a starred chapter, we need the `\mtcaddchapter` macro, which has an optional argument, the title of the chapter as it should appear in the TOC. `\mtc@ifmtarg` By default, this argument is empty. If it is empty (tested via `\mtc@ifmtarg`) or omitted, `\contentsline` we add a `\contentsline{xchapter}{...}` line in the `.toc` file. If it is not empty, we `\adjustmtc` `\l@xchapter` `\l@chapter`



add a `\contentsline{chapter}{title...}`... line in the `.toc` file. We always add a `\contentsline{xchapter}{}`... line in the `.lof` and `.lot` files. Then we increment the `mtc` counter, via `\adjustmtc` (defined in section 9.31 on page 299). Using `xchapter` as first argument of `\contentsline` means that `\l@xchapter` will be invoked in place of `\l@chapter` to print the entry in the TOC, but `\l@xchapter` uses a huge depth (10 000) for this entry, hence it will never be really printed (except if you cheat).

```

2814 \newcommand{\mtcaddchapter}[1][\]{}%
2815   \mtc@ifmtarg{#1}{\addcontentsline{toc}{xchapter}{}}%
2816   {\addcontentsline{toc}{chapter}{#1}}%
2817   \addcontentsline{lof}{xchapter}{}%
2818   \addcontentsline{lot}{xchapter}{}%
2819   \adjustmtc}%
2820 }%

```

This code terminates (temporarily) the chapter level commands, i.e., terminates the `\ifundefined{chapter}` at the beginning of section 9.15 on page 286.

## 9.22 Miscellaneous declarations

```

\newread The \newread command must be redeclared as being \outer (as Donald ARSENEAU told me).
\newtoks We need a token register (\mtc@toks), a temporary string (\mtc@string), struts (two kinds,
\mtc@toks each one using a box containing an invisible vertical rule), a rule with all dimensions equal to
\mtc@string zero (\mtc@zrule) and a command discouraging page breaks (\mtc@BBR, for “bad break”).
\mtc@strut For the struts, which are boxes containing an invisible vertical rule, we use “ex” units, to
\mtc@strutbox follow the current font.
\mtc@hstrut
\mtc@hstrutbox
\mtc@v 2821 \def\newread{\alloc@6\read\chardef\sixt@n}
\mtc@v 2822 \newtoks\mtc@toks
\mtc@zrule 2823 \def\mtc@string{\relax}
\mtc@BBR 2824 \newbox\mtc@strutbox
2825 \setbox\mtc@strutbox=\hbox{\rule[1.8ex]{\z@}{2.5ex}}
2826 \def\mtc@strut{\relax\ifmmode\copy\mtc@strutbox
2827   \else\unhcopy\mtc@strutbox\fi}
2828 \newbox\mtc@hstrutbox
2829 \setbox\mtc@hstrutbox=\hbox{\rule[1.ex]{\z@}{1.ex}}
2830 \def\mtc@hstrut{\relax\ifmmode\copy\mtc@hstrutbox
2831   \else\unhcopy\mtc@hstrutbox\fi}
2832 \def\mtc@v{\leavevmode\mtc@strut}
2833 \def\mtc@zrule{\rule[\z@]{\z@}{\z@}}
2834 \def\mtc@BBR{\unpenalty\nopagebreak[4]}

```

Table 9.1: Trick to detect the limitation to short extensions

Phase (time runs from left to right):		1	2	3
OS with long extensions	<code>\jobname.mtc0</code>	TRUE	TRUE	*
	<code>\jobname.mtc</code>		FALSE	
OS with short extensions	<code>\jobname.mtc(0)</code>	TRUE	FALSE	*

## 9.23 Autoconfiguration of extensions

`\tf@mtc` This code is a trick to determine if the operating system is able or unable to use long extensions (> 3 characters) in file names. We define a file descriptor (`\tf@mtc`) to write files<sup>6</sup>. This code is verbose if long extensions cannot be used, else the messages are only written in the `document.log` file. The sequencing of these operations is vital. The table 9.1 shows this sequence. A star (\*) denotes which file is read in phase 3.

```

\newif (0) First, a message and a new flag:
\if@mtc@longext@
\tf@mtc 2835 \mtcPackageInfo[I0002]{minitoc}%
\immediate 2836 {Autoconfiguration of extensions \@gobble}
\openout 2837 \newif\if@mtc@longext@\@mtc@longext@false
\write (1) We write “\@mtc@longext@true” in \jobname.mtc0. But if the OS has short
\closeout extensions, the real name of the file will be truncated to \jobname.mtc.
\input
\jobname 2838 \immediate\openout\tf@mtc \jobname.mtc0
2839 \immediate\write\tf@mtc{\string\@mtc@longext@true}
2840 \immediate\closeout\tf@mtc

(2) We write “\@mtc@longext@false” in \jobname.mtc.

2841 \immediate\openout\tf@mtc \jobname.mtc
2842 \immediate\write\tf@mtc{\string\@mtc@longext@false}
2843 \immediate\closeout\tf@mtc

(3) We read \jobname.mtc0. But if the OS has short extensions, the real name of the file will
be truncated to \jobname.mtc.

2844 \input{\jobname.mtc0}

```

I0002

I0012  
I0031  
W0019

<sup>6</sup> It is the *only* new file descriptor created by the minitoc package. All files written by minitoc use this descriptor, or one of the standard descriptors, e.g., for the `document.log` file. In fact, minitoc writes also in the `.toc`, `.lof` and `.lot` files, but via file descriptors already used by standard commands like `\tableofcontents`, `\listoffigures` and `\listoftables`. We can conclude that minitoc itself uses only one file descriptor (or write stream). Some other attempts to make per chapter TOCs have failed by quickly leading to exhaustion of file descriptors (TEX offers only 16 file descriptors for writing), because they called the standard internal `\@starttoc` macro, which invokes `\newwrite`, for each mini-table. As minitoc writes into only one file at a time (and in the `document.log` file, and in the standard contents files, of course), we can reuse the same file descriptor and avoid this serious problem (which was present in the original version of the package). The minitoc package writes in the contents files when it encounters a major sectioning command (`\part`, `\chapter`, or `\section`), if necessary. It writes into the mini-table auxiliary files only via the mini-table preparing commands (`\doparttoc`, `\dots`, `\dosectlot`), once at a time. You do not need a new hammer for each nail.

`\jobname.mtc`. The text and the severity of the messages are different.

```

2845 \if@mtc@longext@
2846 \mtcPackageInfo[I0012]{minitoc}%
2847   {Long extensions (Unix-like) will be used\@gobble}
2848 \mtcPackageInfo[I0031]{minitoc}%
2849   {==> this version is configured for UNIX-like
2850   \MessageBreak
2851   \space\space\space\space(long extensions) file names\@gobble}%
2852 \else
2853 \mtcPackageWarningNoLine[W0019]{minitoc}%
2854   {Short extensions (MSDOS-like) will be used
2855   \MessageBreak
2856   ==> this version is configured for MSDOS-like
2857   \MessageBreak
2858   \space\space\space\space(8+3) file names}
2859 \fi

```

- (5) We erase the contents of the two files (because `\jobname.mtc` is also used later as a scratch file, see section 9.11 on page 283).

```

2860 \immediate\openout\tf@mtc \jobname.mtc
2861 \immediate\closeout\tf@mtc
2862 \immediate\openout\tf@mtc \jobname.mtc0
2863 \immediate\closeout\tf@mtc

```

## 9.24 Detecting obsolete versions of L<sup>A</sup>T<sub>E</sub>X

`\@inputcheck` `\reset@font` This code detects old versions of the L<sup>A</sup>T<sub>E</sub>X kernel that are no more supported and with which the minitoc package can hardly work. The trick is to detect the absence of some internal L<sup>A</sup>T<sub>E</sub>X commands, `\@inputcheck` and `\reset@font`. If you get one of these messages, you are in bad luck and should *urgently* update your L<sup>A</sup>T<sub>E</sub>X installation, which is just rusting since... a lot of years!

```

2864 \@ifundefined{@inputcheck}%
2865   {\mtcPackageWarningNoLine[W0021]{minitoc}%
2866   {Your version of latex.tex is obsolete.
2867   \MessageBreak
2868   Trying to continue..}\newread\@inputcheck\relax}}
2869 \@ifundefined{reset@font}%
2870   {\mtcPackageWarningNoLine[W0022]{minitoc}%
2871   {Your version of latex.tex is very obsolete.
2872   \MessageBreak
2873   Trying to continue... crossing fingers}%
2874   \let\reset@font\relax}}

```



## 9.25 Adding a TOC entry without leaders nor page numbers

```

\@undottedtocline The (internal) macro \@undottedtocline is a modified version of the standard command
\ifundottedmtc \@dottedtocline. It will be used in customization macros.
\undottedmtcfalse

2875 \newif\ifundottedmtc\undottedmtcfalse
2876 \def\@undottedtocline#1#2#3#4#5{%
2877   \ifnum #1>\c@tocdepth\relax \else
2878     \vskip \z@ plus.2\p@
2879     {\leftskip #2\relax \rightskip \@tocrmarg \parfillskip -\rightskip
2880      \parindent #2\relax\@afterindenttrue
2881      \interlinepenalty\@M
2882      \leavevmode
2883      \@tempdima #3\relax \advance\leftskip \@tempdima \hbox{}}%
2884     \hskip -\leftskip
2885     #4\nobreak\hfill \nobreak
2886     \null\par}%
2887   \fi}

```

## 9.26 Default values for the page-number customizations

`\if@mtc@memoirLoaded@` This section defines some customization macros for the presence or absence of page numbers in the mini-tables. But if the memoir class [479, 481, 482] is loaded, it does the job. So, we test first `\if@mtc@memoirLoaded@` to use the commands of memoir when they are available.

```
2888 \if@mtc@memoirLoaded@
```

```

\mtcpagenumbers For entries in minitocs:
\nomtcpagenumbers

2889 \def\mtcpagenumbers{%
2890   \cftpagenumberon{section}
2891   \cftpagenumberon{subsection}
2892   \cftpagenumberon{subsubsection}
2893   \cftpagenumberon{paragraph}
2894   \cftpagenumberon{subparagraph}}
2895 \def\nomtcpagenumbers{%
2896   \cftpagenumberoff{section}
2897   \cftpagenumberoff{subsection}
2898   \cftpagenumberoff{subsubsection}
2899   \cftpagenumberoff{paragraph}
2900   \cftpagenumberoff{subparagraph}}

```

```

\stcpagenumbers For entries in secttocs:
\nostcpagenumbers
    2901 \def\stcpagenumbers{%
    2902   \cftpagenumberon{subsection}
    2903   \cftpagenumberon{subsubsection}
    2904   \cftpagenumberon{paragraph}
    2905   \cftpagenumberon{subparagraph}}
    2906 \def\nostcpagenumbers{%
    2907   \cftpagenumbersoff{subsection}
    2908   \cftpagenumbersoff{subsubsection}
    2909   \cftpagenumbersoff{paragraph}
    2910   \cftpagenumbersoff{subparagraph}}

\ptcpagenumbers For entries in parttocs:
\noptcpagenumbers
    2911 \def\ptcpagenumbers{%
    2912   \cftpagenumberon{chapter}
    2913   \cftpagenumberon{section}
    2914   \cftpagenumberon{subsection}
    2915   \cftpagenumberon{subsubsection}
    2916   \cftpagenumberon{paragraph}
    2917   \cftpagenumberon{subparagraph}}
    2918 \def\noptcpagenumbers{%
    2919   \cftpagenumbersoff{chapter}
    2920   \cftpagenumbersoff{section}
    2921   \cftpagenumbersoff{subsection}
    2922   \cftpagenumbersoff{subsubsection}
    2923   \cftpagenumbersoff{paragraph}
    2924   \cftpagenumbersoff{subparagraph}}

\mlfpagenumbers For entries in minilofs, sectlofs, and partlofs:
\nomlfpagenumbers
\slfpagenumbers 2925 \def\mlfpagenumbers{\cftpagenumberon{figure}}
\noslfpagenumbers 2926 \def\nomlfpagenumbers{\cftpagenumbersoff{figure}}
\plfpagenumbers 2927 \def\slfpagenumbers{\cftpagenumberon{figure}}
\noplfpagenumbers 2928 \def\noslfpagenumbers{\cftpagenumbersoff{figure}}
    2929 \def\plfpagenumbers{\cftpagenumberon{figure}}
    2930 \def\noplfpagenumbers{\cftpagenumbersoff{figure}}

\mltpagenumbers For entries in minilots, sectlots, and partlots:
\nomltpagenumbers
\sltpagenumbers 2931 \def\mltpagenumbers{\cftpagenumberon{table}}
\nosltpagenumbers 2932 \def\nomltpagenumbers{\cftpagenumbersoff{table}}
\pltpagenumbers 2933 \def\sltpagenumbers{\cftpagenumberon{table}}
\nopltpagenumbers 2934 \def\nosltpagenumbers{\cftpagenumbersoff{table}}
    2935 \def\pltpagenumbers{\cftpagenumberon{table}}
    2936 \def\nopltpagenumbers{\cftpagenumbersoff{table}}

```

Else, minitoc will use its own commands.

```
2937 \else
```

```

\mtcpagenumbers  First, for minitocs, secttocs and parttocs:
\nomtcpagenumbers
\mlfpagenumbers 2938 \def\mtcpagenumbers{\let\mtc@pgno\null}
\nomlfpagenumbers 2939 \def\nomtcpagenumbers{\let\mtc@pgno\relax}
\mltpagenumbers 2940 \def\stcpagenumbers{\let\stc@pgno\null}
\nomltpagenumbers 2941 \def\nostcpagenumbers{\let\stc@pgno\relax}
2942 \def\ptcpagenumbers{\let\ptc@pgno\null}
2943 \def\noptcpagenumbers{\let\ptc@pgno\relax}

```

```

\mlfpagenumbers  Then, for minilofs, sectlofs and partlofs:
\nomlfpagenumbers
\mlfpagenumbers 2944 \def\mlfpagenumbers{\let\mlf@pgno\null}
\nomlfpagenumbers 2945 \def\nomlfpagenumbers{\let\mlf@pgno\relax}
\mltpagenumbers 2946 \def\slfpagenumbers{\let\slf@pgno\null}
\nomltpagenumbers 2947 \def\noslfpagenumbers{\let\slf@pgno\relax}
2948 \def\plfpagenumbers{\let\plf@pgno\null}
2949 \def\noplfpagenumbers{\let\plf@pgno\relax}

```

```

\mltpagenumbers  Then, for minilots, sectlots and partlots:
\nomltpagenumbers
\mltpagenumbers 2950 \def\mltpagenumbers{\let\mlt@pgno\null}
\nomltpagenumbers 2951 \def\nomltpagenumbers{\let\mlt@pgno\relax}
\mltpagenumbers 2952 \def\sltpagenumbers{\let\slt@pgno\null}
\nomltpagenumbers 2953 \def\nosltpagenumbers{\let\slt@pgno\relax}
2954 \def\pltpagenumbers{\let\plt@pgno\null}
2955 \def\nopltpagenumbers{\let\plt@pgno\relax}
2956 \fi

```

```

\ptcpagenumbers  Then the default values are set; page numbers are present:
\plfpagenumbers
\pltpagenumbers 2957 \ptcpagenumbers
\mtcpagenumbers 2958 \plfpagenumbers
\mlfpagenumbers 2959 \pltpagenumbers
\mltpagenumbers 2960 \mtcpagenumbers
\stcpagenumbers 2961 \mlfpagenumbers
\slfpagenumbers 2962 \mltpagenumbers
\sltpagenumbers 2963 \stcpagenumbers
2964 \slfpagenumbers
2965 \sltpagenumbers

```

## 9.27 “Features” for the mini-tables

Each kind of mini-table has five “features”: a “before” feature, an “after” feature, an “open” feature, an “close” feature, and a “pagestyle” feature.

A “before” feature is defined by a macro like `\beforeparttoc` which contains code to be executed before any mini-table of a given type: `\beforeparttoc` is executed before each `parttoc`. Usually such features contain only trivial commands like `\clear[double]page`, or `\empty`.

An “after” feature is analog but its code is executed after each mini-table of a given type.

An “open” feature contains code to be executed just before the insertion of the file containing the mini-table. Usually such features either do nothing, either prepare some basic formatting (like multi-column). It does not concern the title of the mini-table or the decorative rules.

An “close” feature contains code to be executed just after the insertion of the file containing the mini-table. Usually such features either do nothing, either finish some basic formatting (like multi-column). It does not concern the title of the mini-table or the decorative rules.

A “pagestyle” feature is defined by a macro like `\thispageparttocstyle` which contains code to define the page style implied by mini-tables of a given type: the command `\thispageparttocstyle` can be defined as `\thispagestyle{...}`. Usually, the “pagestyle” feature is only defined for part-level mini-tables, which use page breaks in their before and after features. For chapter- and section-level mini-tables, the “pagestyle” feature is usually defined as `\empty`.

We set the default values for the part-level features depending on the presence of the `\chapter` command, as article-like documents are different from the book- or report-like documents for the layout of part-level mini-tables.

```

\chapter If \chapter is not defined, the part level mini-tables have no “before” feature (by default):
\beforeparttoc
\beforepartlof 2966 \@ifundefined{chapter}{%
\beforepartlot 2967   \let\beforeparttoc\empty
                2968   \let\beforepartlof\empty
                2969   \let\beforepartlot\empty}%

```

`\cleardoublepage` But if `\chapter` is defined, they have a `\cleardoublepage` as default “before” feature:

```

2970   {\let\beforeparttoc\cleardoublepage
2971   \let\beforepartlof\cleardoublepage
2972   \let\beforepartlot\cleardoublepage}

```

```

\beforeinitoc Chapter level mini-tables have no “before” feature (by default):
\beforeminilof
\beforeminilot 2973 \let\beforeinitoc\empty
                2974 \let\beforeminilof\empty
                2975 \let\beforeminilot\empty

```

```

\beforesecttoc Section level mini-tables have no “before” feature (by default):
\beforesectlof
\beforesectlot 2976 \let\beforesecttoc\empty
                2977 \let\beforesectlof\empty
                2978 \let\beforesectlot\empty

```

```

\chapter If \chapter is not defined, the part level mini-tables have no “after” feature (by default):
\afterparttoc
\afterpartlof 2979 \@ifundefined{chapter}{%
\afterpartlot 2980 \let\afterparttoc\empty
                2981 \let\afterpartlof\empty
                2982 \let\afterpartlot\empty}%

```

`\cleardoublepage` But if `\chapter` is defined, they have a `\cleardoublepage` as default “after” feature:

```

2983 {\let\afterparttoc\cleardoublepage
2984 \let\afterpartlof\cleardoublepage
2985 \let\afterpartlot\cleardoublepage}

```

```

\afterinitoc Chapter level mini-tables have no “after” feature (by default):
\afterminilof
\afterminilot 2986 \let\afterinitoc\empty
                2987 \let\afterminilof\empty
                2988 \let\afterminilot\empty

```

```

\aftersecttoc Section level mini-tables have no “after” feature (by default):
\aftersectlof
\aftersectlot 2989 \let\aftersecttoc\empty
                2990 \let\aftersectlof\empty
                2991 \let\aftersectlot\empty

```



```

\openparttoc By default, the “open” features do nothing:
\openpartlof
\openpartlot 2992 \let\openparttoc\empty
\openminitoc 2993 \let\openpartlof\empty
\openminilof 2994 \let\openpartlot\empty
\openminilot 2995 \let\openminitoc\empty
\opensecttoc 2996 \let\openminilof\empty
\opensectlof 2997 \let\openminilot\empty
\opensectlot 2998 \let\opensecttoc\empty
                2999 \let\opensectlof\empty
                3000 \let\opensectlot\empty

```

```

\closeparttoc By default, “close” features do nothing:
\closepartlof
\closepartlot 3001 \let\closeparttoc\empty
\closeminitoc 3002 \let\closepartlof\empty
\closeminilof 3003 \let\closepartlot\empty
\closeminilot 3004 \let\closeminitoc\empty
\closesecttoc 3005 \let\closeminilof\empty
\closesectlof 3006 \let\closeminilot\empty
\closesectlot 3007 \let\closesecttoc\empty
                3008 \let\closesectlof\empty
                3009 \let\closesectlot\empty

```

`\thispagestyle` By default, all the “pagestyle” features (at part level) use the `empty` page style. It affects only the first page of the mini-table. If `\chapter` is not defined, there is no default “pagestyle” features at the part level.

```

\thispageparttocstyle
\thispagepartlofstyle
\thispagepartlotstyle
\thispageminitocstyle 3010 \@ifundefined{chapter}{%
\thispageminilofstyle 3011 \def\thispageparttocstyle{\empty}
\thispageminilotstyle 3012 \def\thispagepartlofstyle{\empty}
\thispagesecttocstyle 3013 \def\thispagepartlotstyle{\empty}}%
\thispagesectlofstyle 3014 {\def\thispageparttocstyle{\thispagestyle{\empty}}}
\thispagesectlotstyle 3015 \def\thispagepartlofstyle{\thispagestyle{\empty}}
                3016 \def\thispagepartlotstyle{\thispagestyle{\empty}}}
                3017 \def\thispageminitocstyle{\empty}
                3018 \def\thispageminilofstyle{\empty}
                3019 \def\thispageminilotstyle{\empty}
                3020 \def\thispagesecttocstyle{\empty}
                3021 \def\thispagesectlofstyle{\empty}
                3022 \def\thispagesectlotstyle{\empty}

```

`\mtcsetfeature` In section 9.67.8 on page 395, we will define the `\mtcsetfeature` macro which is a much easier user interface to set the mini-tables “features”.

## 9.28 Fake tables of contents

```

\fakeableofcontents If you don't want a table of contents, but want minitocs, you need to create the .toc file, with-
\fakeistoffigures out inserting it into your document. This \fakeableofcontents command is a stripped off
\fakeistoftables version of the standard command \tableofcontents. We define in the same way the ana-
\fake@starttoc log commands \fakeistoffigures and \fakeistoftables, using in fact just a stripped
\if@filesw version \fake@starttoc of \@starttoc. But it is nice to reset to zero the ptc, mtc, and
\newwrite stc counters now, if they are defined7.
\immediate
\openout 3023 \def\fakeableofcontents{\fake@starttoc{toc}%
3024 \ifundefined{c@ptc}{\setcounter{ptc}{0}}%
3025 \ifundefined{c@mtc}{\setcounter{mtc}{0}}%
3026 \ifundefined{c@stc}{\setcounter{stc}{0}}%
3027 }
3028 \def\fakeistoffigures{\fake@starttoc{lof}}
3029 \def\fakeistoftables{\fake@starttoc{lot}}
3030 \def\fake@starttoc#1{\begingroup \makeatletter
3031 \if@filesw \expandafter\newwrite\csname tf@#1\endcsname
3032 \immediate\openout \csname tf@#1\endcsname
3033 \jobname.#1\relax \fi
3034 \global\@nobeckfalse \endgroup}

```

This code uses the same file descriptors (for writing) than the original commands.

## 9.29 Depth counters for minilofs and minilots

```

\AtBeginDocument If the counters lofdepth and lotdepth are defined, we create the necessary new counters:
\newcounter minilofdepth and minilofdepth. These counters are initialized to 2. This is done after the
\setcounter loading of the packages, in an \AtBeginDocument block:
\c@lofdepth
\c@lotdepth 3035 \AtBeginDocument{%
3036 \ifundefined{c@lofdepth}{%
3037 {\newcounter{minilofdepth}\setcounter{minilofdepth}{2}}%
3038 \ifundefined{c@lotdepth}{%
3039 {\newcounter{minilotdepth}\setcounter{minilotdepth}{2}}%
3040 }%

```

## 9.30 Chapter level commands

From here, we define the chapter-level commands.

---

<sup>7</sup> Remember the infamous “stc0” bug.

```

\mtc@markboth First, we memorize the marks (not used today, but...):
\mkboth
3041 \global\let\mtc@markboth\markboth
3042 \global\let\mkboth\markboth

```

### 9.31 Starred parts, chapters or sections

```

\addst@rred We define commands to manage the starred sectioning commands: \part*, \chapter*
\addcontentsline and \section*. The section-level is different depending on the presence of the \chapter
\stepcounter command. Eventually, a counter is incremented. A contents line is added in the .toc file, with
\c@ptc the right depth to print it (see \l@star... later, in section 9.65 on page 376).
\c@mtc
\c@stc 3043 \def\addst@rred#1#2{%
3044 \addcontentsline{toc}{star#1}{#2}%
3045 \@ifundefined{c@ptc}{}{%
3046 \expandafter\ifx\csname #1\endcsname\part\relax
3047 \stepcounter{ptc}%
3048 \fi
3049 }%
3050 \@ifundefined{c@mtc}{}{%
3051 \expandafter\ifx\csname #1\endcsname\chapter\relax
3052 \stepcounter{mtc}%
3053 \fi
3054 \expandafter\ifx\csname #1\endcsname\appendix\relax
3055 \stepcounter{mtc}%
3056 \fi
3057 }%
3058 \@ifundefined{c@stc}{}{%
3059 \expandafter\ifx\csname #1\endcsname\section\relax
3060 %% \ifundefined{chapter}{\stepcounter{stc}}{}%
3061 \stepcounter{stc}%
3062 \fi
3063 }%
3064 }%

\addstarredsection If \chapter is not defined, we just define \addstarredsection:
\chapter
\addst@rred 3065 \@ifundefined{chapter}{}%
3066 \gdef\addstarredsection#1{\addst@rred{section}{#1}}
3067 }%

```

Else we begin to define the stuff for chapter-level commands (the “else” branch of `\@ifundefined{chapter}`):

3068 {%

```

\The@mtc We define now: the internal format of the mtc counter (\The@mtc), the obsolete command
\firstchapteris \firstchapteris (it just emits a harmless warning), the mtc counter (initialized to 0), the
@if@firstchapteris@used@ \adjustmtc command (increments the mtc counter, by 1 by default), the \decrementmtc
\newcounter command (decrements the mtc counter by 1), the \incrementmtc command (increments the
\setcounter mtc counter by 1), the format of the mtc counter (\themtc), the counter minitocdepth,
\adjustmtc initialized to 2, for the depth of a minitoc (analog to the standard tocdepth counter).
\decrementmtc
\incrementmtc 3069 \def\The@mtc{\arabic{mtc}}
\themtc 3070 \def\firstchapteris#1%
\columnwidth 3071 {\mtcPackageWarning[W0003]{minitoc}%
3072 {\string\firstchapteris \space is an obsolete (ignored)
3073 \MessageBreak
3074 command}%
3075 \@firstchapteris@used@true}
3076 \newcounter{mtc}
3077 \setcounter{mtc}{0}
3078 \newcommand{\adjustmtc}[1][1]{\addtocounter{mtc}{#1}}
3079 \def\decrementmtc{\addtocounter{mtc}{-1}}
3080 \def\incrementmtc{\addtocounter{mtc}{+1}}
3081 \gdef\themtc{\arabic{mtc}}
3082 \newcounter{minitocdepth}
3083 \setcounter{minitocdepth}{2}

```

W0003

```

\mtc@rule We define the horizontal rules to draw before and after minitocs (\mtc@rule), and we copy
\mlf@rule that definition into analog macros for other kinds of mini-tables. We also set the default value
\mlt@rule (24pt) of \mtcindent, the indentation for minitocs (both sides). The rules are 0.4pt thick.
\plf@rule They are defined via \hrule to stay in vertical mode for the final \kern.
\plt@rule
\slf@rule 3084 \def\mtc@rule{\kern-3\p@ \hrule \@width\columnwidth \kern2.6\p@}
\slt@rule 3085 \let\mlf@rule\mtc@rule
\mtcindent 3086 \let\mlt@rule\mtc@rule
3087 \let\plf@rule\mtc@rule
3088 \let\plt@rule\mtc@rule
3089 \let\slf@rule\mtc@rule
3090 \let\slt@rule\mtc@rule
3091 \mtcindent=24\p@

```

### 9.32 Font commands for the mini-tables

`\mtcfont` We define these commands with full NFSS [291] descriptions. These definitions are effective if `\chapter` is defined. The fonts for titles are also defined here. See also the `\mtcsetfont` macro (section 9.67.2 on page 379) and the `\mtcsettitlefont` macro later (section 9.67.3 on page 383).

```

\mtcPfont
\mtcSPfont 3092 \def\mtcfont{\small\rmfamily\upshape\mdseries}
\mlffont 3093 \def\mtcSfont{\small\rmfamily\upshape\bfseries}
\mlfSfont 3094 \let\mtcSSfont\mtcfont \let\mtcSSSfont\mtcfont
\mltfont 3095 \let\mtcPfont\mtcfont \let\mtcSPfont\mtcfont
\mltSfont 3096 \let\mlffont\mtcfont \let\mlfSfont\mtcfont
\mtifont 3097 \let\mltfont\mtcfont \let\mltSfont\mtcfont
3098 \def\mtifont{\large\rmfamily\upshape\bfseries}

```

`\coffeeont` And `\coffeeont` is used for “coffee breaks ☕” in the minutes package [300].

```
3099 \def\coffeeont{\small\rmfamily\slshape\mdseries}
```

### 9.33 Internal commands to position the mini-table titles

`\df@mtitc` The commands `\miniXXX` and `\dominiXXX` accept an optional argument to left justify, center, right justify or omit the title of the chapter-level mini-tables. By default, these titles are left justified. The choice made in a `\dominiXXX` command is global and memorized in `\df@mtitc`, `\do@mtitc` `\df@mtilf` or `\df@mtilt`; the choice made in a `\miniXXX` command is local and stored in `\do@mtitc`, `\do@mtilf` or `\do@mtilt`. See the `\minitoc@` macro later (section 9.35.1 on the following page). An empty title needs a vertical correction (Frank MITTELBACH).

```

\c@mti Centering, flushleft, flushright or empty titles:
\l@mti
\r@mti 3100 \def\c@mti#1{\null\hfill #1\hfill\null}
\e@mti 3101 \def\l@mti#1{\null #1\hfill\null}
\n@mti 3102 \def\r@mti#1{\null\hfill #1\null}
3103 \def\e@mti#1{\vspace{-\baselineskip}}
3104 \def\n@mti#1{\vspace{-\baselineskip}}

```

```

\l@mti Default: titles on left:
\do@mtitc
\df@mtitc 3105 \let\do@mtitc\l@mti
\do@mtilf 3106 \let\df@mtitc\l@mti
\df@mtilf 3107 \let\do@mtilf\l@mti
\do@mtilt 3108 \let\df@mtilf\l@mti
\df@mtilt

```

```
3109 \let\do@mtilt\l@mti
3110 \let\df@mtilt\l@mti
```

### 9.34 The mtc@verse environment

`mtc@verse` Each minitoc is placed inside a `mtc@verse` environment. This environment is analog to the standard `verse` environment and hence defined via two commands: `\mtc@verse` and `\endmtc@verse`. As it is a list environment, we first define (in a local way) `\`, then call `\list{}` and set some dimensions like `\itemsep`, `\itemindent`, `\listparindent`, `\`, `\list` `\topsep`. `\parsep` is set to zero if the `tight` option is active (to reduce the spacing of the lines). `\parskip` is set to zero if the `k-tight` option is active (to reduce the spacing of the lines). Both margins are set to `\mtcindent`. `\endmtc@verse` terminates the list and discourages a page break. The `mtc@verse` environment has an argument which is an horizontal offset (a command like `\mtcoffset`).

```
\topsep
\parsep
\mtcindent 3111 \def\mtc@verse#1{\let\=\@centercr
3112 \list{}}%
3113 \itemsep=\z@ \itemindent=\z@ \partopsep=\z@
3114 \listparindent=\itemindent \topsep=lex
3115 \iftightmtc \parsep=\z@ \fi \ifktightmtc \parskip=\z@ \fi
3116 \leftmargin=\mtcindent \rightmargin=\leftmargin
3117 \addtolength{\leftmargin}{+#1}%
3118 \addtolength{\rightmargin}{-#1}%
3119 }%
3120 \item[]}
3121 \def\endmtc@verse{\nopagebreak[4]\endlist}
```

### 9.35 The \minitoc, \minilof, and \minilot commands

These three commands are very similar, with only cosmetic differences.

#### 9.35.1 The \minitoc command

`\minitoc` The `\minitoc` command must be used after `\chapter` if you need a minitoc (no automatic `\chapter` minitoc).

`\dominitoc` This command accepts an optional argument, whose default value has eventually been set earlier by a `\dominitoc` command. The letter “d” represents this default value. `\dominitoc` has itself an optional argument which sets the default value of the optional argument of `\minitoc`.

The default value of the optional argument of the `\dominitoc` command is “1”. It seems tortuous, but it is simple to use: we have a default behaviour (1) which can be altered globally via the optional argument of `\dominitoc`, or locally via the optional argument of `\minitoc`.

`\minitoc` So we define `\minitoc` with an optional argument and its (current) default value, and call the true code in the `\minitoc@` macro (which has one delimited argument); we use the `\ifnextchar` `\ifnextchar` trick to detect a left bracket for the optional argument:

```
3122 \def\minitoc{\ifnextchar[{\minitoc@}{\minitoc@d}}
```

The real code of `\minitoc` is in `\minitoc@`, which has a mandatory argument (delimited by brackets) specifying the position of the title.

`\if@minitoc@used@` First, we set the global flag `\@minitoc@used@true` to note that `\minitoc` has been called (this will be used by a hint later, section 9.81.2.2 on page 426).

```
3123 \def\minitoc@[#1]{%
3124 \global\@minitoc@used@true
```

`\@tocfile` The name of the file containing the minitoc is constructed from `\jobname` and a suffix `\if@mtc@longext@` `\@tocfile`, which is `.mtc` (long extensions) or `.M` (short extensions) followed by the absolute number of the minitoc.

```
3125 \if@mtc@longext@
3126   \def\@tocfile{mtc\The@mtc}%
3127 \else
3128   \def\@tocfile{M\The@mtc}%
3129 \fi
```

`\mtc@CkFile` Then we test (via `\mtc@CkFile`) the emptiness of this file. A warning is given if the file is empty and a flag is set (a hint will signal that an empty minitoc has been requested).

I0006

```
\if@mtc@FE
\if@mtc@empty@minitoc@
3130   \mtc@CkFile{\jobname.\@tocfile}
3131   \if@mtc@FE
3132   \mtcPackageInfo[I0006]{minitoc}%
3133     {\jobname.\@tocfile\space is empty}
3134   \@mtc@empty@minitoc@true
3135   \else
```

`\thispageminicotstyle` We call `\thispageminicotstyle` to set the page style (by default, this does nothing because, by default, there is no page break before a minitoc). The marks are not treated, because usually there is no new page for a minitoc.

```
3136   \thispageminicotstyle
3137 %%   \mtc@markboth{\MakeUppercase{\mtctitle}}{\MakeUppercase{\mtctitle}}%
```

```

\beforeminitoc We call \beforeminitoc, then begin a samepage environment (to try to discourage page
samepage breaks in a minitoc) and look at the position of the title. If the title is empty, the layout is
\do@mtitc corrected. We print the title with its font (\mtifont), then the top rule of the minitoc (if rules
\e@mti are present), using a tabular environment (to inhibit a page break between the title and the
\n@mti top rule). The font is set to \mtcfont.
\c@mti
\l@mti 3138 \beforeminitoc
\r@mti 3139 \relax\begin{samepage}%
\df@mtic 3140 \if #1e\let\do@mtitc\e@mti
\mtc@CkStr 3141 \else\if #1n\let\do@mtitc\n@mti
\mtctitle 3142 \else\if #1c\let\do@mtitc\c@mti
\if@mtc@FE 3143 \else\if #1l\let\do@mtitc\l@mti
\mtcfont 3144 \else\if #1r\let\do@mtitc\r@mti
\mtifont 3145 \else\if #1d\let\do@mtitc\df@mtitc
\mtc@rule 3146 \fi\fi\fi\fi\fi\fi
\columnwidth 3147 \mtc@CkStr{\mtctitle}\if@mtc@FE \let\do@mtitc\e@mti\relax\fi
tabular 3148 \raggedright
3149 \parskip=\z@%
3150 \reset@font\mtcfont%
3151 \parindent=\z@%
3152 \nopagebreak[4]%
3153 \kern-0.8\baselineskip\nopagebreak[4]%
3154 \par\noindent %
3155 \ifx\mtc@rule\relax
3156 \begin{tabular}{@{}p{\columnwidth}@{}}
3157 \reset@font\mtifont\do@mtitc{\mtc@v\mtctitle}\\
3158 \end{tabular}%
3159 \else
3160 \begin{tabular}{@{}p{\columnwidth}@{}}
3161 \reset@font\mtifont\do@mtitc{\mtc@v\mtctitle}\\ \hline
3162 \end{tabular}%
3163 \fi

\mtc@zrule We forbid a page break after the title and the top rule, then set some layout parameters and
\mtc@BBR begin an mtc@verse environment:
\mtcindent
\mtc@offset 3164 \nopagebreak[4]\null\leavevmode\mtc@zrule\\ \mtc@BBR
mtc@verse 3165 \leftmargin\mtcindent \rightmargin\mtcindent
3166 \itemindent=\z@\labelwidth=\z@%
3167 \labelsep=\z@\listparindent=\z@%
3168 \begin{mtc@verse}{\mtc@offset}%

\c@tocdepth We force the effective depth of the mini-table (\c@tocdepth) to the required depth
\c@minitocdepth (\c@minitocdepth), so the printing is done inside the mtc@verse environment, where
\c@minitocdepth \c@minitocdepth has been forced to minitocdepth, to print only the entries whose level is low
\c@minitocdepth \c@minitocdepth enough, then inhibit a page break. The blank line is necessary to avoid a parasite negative
\c@minitocdepth \c@minitocdepth indentation.

3169 \c@tocdepth=\c@minitocdepth
3170 \leavevmode\\ \mtc@BBR\vskip -.5\baselineskip

```



```

\mtc@pgno We test the presence of leaders and page numbers, then print the minitoc by inputting the
\@dottedtocline minitoc file. But before reading the minitoc file, we must call the hook macro (asked for
\@undottedtocline by Donald ARSENEAU for his notocite package [14]) \mtc@hook@beforeinputfile and the
\mtc@hook@beforeinputfile macro \mtc@setform which adjusts some layout parameters (defined by the user via some
\mtc@setform \mtcsetformat commands). We work in a group to keep local some macro redefinitions.
\openminitoc The “open” and “close” features are called just before and after the insertion of the mini-table
\ifinminitoc file.
\closeminitoc
\mtcsetformat 3171 \begingroup
\mtc@strut 3172 \makeatletter
3173 \@ifundefined{mtc@pgno}%
3174 {\let\@dottedtocline\@undottedtocline}{}
3175 \@fileswfalse\mtc@hook@beforeinputfile
3176 \mtc@setform%
3177 \openminitoc \global\inminitoctrue
3178 \@input{\jobname.\@tocfile}%
3179 \global\inminitocfalse\closeminitoc
3180 \vspace{-1ex} \vspace{-\baselineskip}
3181 \leavevmode\mtc@strut
3182 \global\@nobreakfalse\endgroup

```

```

mtc@verse We close the mtc@verse environment, add the bottomrule (while preventing a page break),
\mtc@bottom@rule then close the samepage environment, and call \afterminitoc. The blank line (\) is
\ essential.
\ samepage
\afterminitoc 3183 \end{mtc@verse}%
3184 \kernafterminitoc
3185 \nopagebreak[4]\mtc@bottom@rule\null\leavevmode\%
3186 \vskip-1.0\baselineskip\mtc@zrule\end{samepage}%
3187 \par\pagebreak[1]\vspace*{-1ex}\afterminitoc\fi

```

```

\mtc@bottom@rule And we define the bottom rule for a minitoc, with some space under the minitoc:
\mtc@rule
\columnwidth 3188 \def\mtc@bottom@rule{%
3189 \ifx\mtc@rule\relax\relax\else
3190 \vskip -2.5ex
3191 \rule[2.4\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}\fi

```

### 9.35.2 The `\minilof` command

`\minilof` The `\minilof` command is very similar to the `\minitoc` command.

`\minilof` The `\minilof` command must be used after `\chapter` if you need a minilof (no automatic minilof).  
`\chapter`

`\dominilof` This command accepts an optional argument, whose default value has eventually been set earlier by a `\dominilof` command. The letter “d” represents this default value. `\dominilof` has itself an optional argument which sets the default value of the optional argument of `\minilof`. The default value of the optional argument of the `\dominilof` command is “1”. It seems tortuous, but it is simple to use: we have a default behaviour (1) which can be altered globally via the optional argument of `\dominilof`, or locally via the optional argument of `\minilof`.

`\minilof` So we define `\minilof` with an optional argument and its (current) default value, and call  
`\minilof@` the true code in the `\minilof@` macro (which has one delimited argument); we use the  
`\ifnnextchar` `\ifnnextchar` trick to detect a left bracket for the optional argument:

```
3192 \def\minilof{\ifnnextchar[{\minilof@}{\minilof@[d]}}
```

The real code of `\minilof` is in `\minilof@`, which has a mandatory argument (delimited by brackets) specifying the position of the title.

`\if@minilof@used@` First, we set the global flag `\@minilof@used@true` to note that `\minilof` has been called (this will be used by a hint later, section 9.81.2.2 on page 426).

```
3193 \def\minilof@[#1]{%
3194 \global\@minilof@used@true
```

`\@tocfile` The name of the file containing the minilof is constructed from `\jobname` and a suffix  
`\if@mtc@longext@` `\@tocfile`, which is `.mlf` (long extensions) or `.F` (short extensions) followed by the absolute number of the minilof.

```
3195 \if@mtc@longext@%
3196   \def\@tocfile{mlf\The@mtc}%
3197 \else
3198   \def\@tocfile{F\The@mtc}%
3199 \fi
```

`\mtc@CkFile` Then we test (via `\mtc@CkFile`) the emptiness of this file. A warning is given if the file is  
`\if@mtc@FE` empty and a flag is set (a hint will signal that an empty minilof has been requested).  
`\if@mtc@empty@minilof@`

```
3200   \mtc@CkFile{\jobname.\@tocfile}
3201   \if@mtc@FE
3202   \mtcPackageInfo[I0006]{minitoc}%
3203     {\jobname.\@tocfile\space is empty}
3204   \@mtc@empty@minilof@true
3205   \else
```

I0006

`\thispageminilofstyle` We call `\thispageminilofstyle` to set the page style (by default, this does nothing because, by default, there is no page break before a minilof). The marks are not treated, because usually there is no new page for a minilof.

```

3206      \thispageminilofstyle
3207 %%      \mtc@markboth{\MakeUppercase{\mlftitle}}{\MakeUppercase{\mlftitle}}%

```

`\beforeminilof` We call `\beforeminilof`, then begin a `samepage` environment (to try to discourage page breaks in a minilof) and look at the position of the title. If the title is empty, the layout is corrected. We print the title with its font (`\mtifont`), then the top rule of the minilof (if rules are present), using a `tabular` environment (to inhibit a page break between the title and the top rule). The font is set to `\mlffont`.

```

\l@mti 3208      \beforeminilof
\r@mti 3209      \relax\begin{samepage}%
\df@mtic 3210      \if #1e\let\do@mtif\@mti
\mtc@CkStr 3211      \else\if #1n\let\do@mtif\n@mti
\mtctitle 3212      \else\if #1c\let\do@mtif\c@mti
\if@mtc@FE 3213      \else\if #1l\let\do@mtif\l@mti
\mlffont 3214      \else\if #1r\let\do@mtif\r@mti
\mtifont 3215      \else\if #1d\let\do@mtif\df@mtif
\mlf@rule 3216      \fi\fi\fi\fi\fi
\columnwidth 3217      \mtc@CkStr{\mlftitle}\if@mtc@FE \let\do@mtif\@mti\relax\fi
tabular 3218      \raggedright
3219      \parskip=\z@
3220      \reset@font\mlffont
3221      \parindent=\z@
3222      \nopagebreak[4]%
3223      \kern-0.8\baselineskip\nopagebreak[4]%
3224      \par\noindent
3225      \ifx\mlf@rule\relax
3226      \begin{tabular}{@{}p{\columnwidth}@{}}
3227      \reset@font\mtifont\do@mtif{\mtc@v\mlftitle}\\
3228      \end{tabular}%
3229      \else
3230      \begin{tabular}{@{}p{\columnwidth}@{}}
3231      \reset@font\mtifont\do@mtif{\mtc@v\mlftitle}\\ \hline
3232      \end{tabular}%
3233      \fi

```

`\mtc@zrule` We forbid a page break after the title and the top rule, then set some layout parameters and begin an `mtc@verse` environment:

```

\mtc@BBR
\mtcindent
\mlfoffset 3234      \nopagebreak[4]\null\leavevmode\mtc@zrule\\ \mtc@BBR
mtc@verse 3235      \leftmargin\mtcindent \rightmargin\mtcindent
3236      \itemindent=\z@\labelwidth=\z@%
3237      \labelsep=\z@\listparindent=\z@%
3238      \begin{mtc@verse}{\mlfoffset}%

```

`\c@lofdepth` We force the effective depth of the mini-table (`\c@tocdepth`) to the required depth  
`\c@minilofdepth` (`\c@minilofdepth`), so the printing is done inside the `mtc@verse` environment, where  
`\` `tocdepth` has been forced to `minilofdepth`, to print only the entries whose level is low  
`\mtc@BBR` enough, then inhibit a page break. The blank line is necessary to avoid a parasite negative  
indentation.

```
3239     \ifundefined{c@lofdepth}{}%
3240         {\c@lofdepth=\c@minilofdepth
3241         \ifnum\c@lofdepth<1\relax\c@lofdepth=1\fi}
3242     \leavevmode\\ \mtc@BBR\vskip -.5\baselineskip
```

`\mtc@pgno` We test the presence of leaders and page numbers, then print the minilof by inputting the  
`\@dottedtocline` minilof file. But before reading the minilof file, we must call the hook macro (asked for  
`\@undottedtocline` by Donald ARSENEAU for his notoccite package [14]) `\mtc@hook@beforeinputfile` and the  
`\mtc@hook@beforeinputfile` macro `\mlf@setform` which adjusts some layout parameters (defined by the user via some  
`\mlf@setform` `\mtcsetformat` commands). We work in a group to keep local some macro redefinitions.  
`\ifinminilof` The “open” and “close” features are called just before and after the insertion of the mini-table  
`\openminilof` file.  
`\closeminilof`

```
\mtcsetformat 3243 \begingroup
\mtc@strut 3244 \makeatletter
3245 \ifundefined{mlf@pgno}%
3246 {\let\@dottedtocline\@undottedtocline}{}
3247 \@fileswfalse\mtc@hook@beforeinputfile
3248 \mlf@setform
3249 \global\openminilof\inminiloftrue
3250 \@input{\jobname.\@tocfile}%
3251 \global\inminiloffalse\closeminilof
3252 \vspace{-1ex} \vspace{-\baselineskip}
3253 \leavevmode\mtc@strut
3254 \global\@nobreakfalse\endgroup
```

`mtc@verse` We close the `mtc@verse` environment, add the bottomrule (while preventing a page break),  
`\mtc@bottom@rule` then close the `samepage` environment, and call `\afterminilof`. The blank line (`\`) is  
`\` essential.

```
samepage
\afterminilof 3255     \end{mtc@verse}%
3256     \kernafterminilof
3257     \nopagebreak[4]\mlf@rule\null\leavevmode\\%
3258     \vskip-1.0\baselineskip\mtc@zrule\end{samepage}%
3259     \par\pagebreak[1]\vspace*{-1ex}\afterminilof\fi%
```

### 9.35.3 The `\minilot` command

`\minilot` The `\minilot` command is absolutely similar to the `\minilof` command:

`\minilot` The `\minilot` command must be used after `\chapter` if you need a minilot (no automatic  
`\chapter` minilot).

`\dominilot` This command accepts an optional argument, whose default value has eventually been set ear-  
`\minilot` lier by a `\dominilot` command. The letter “d” represents this default value. `\dominilot` has  
itself an optional argument which sets the default value of the optional argument of `\minilot`.  
The default value of the optional argument of the `\dominilot` command is “1”. It seems tor-  
tuous, but it is simple to use: we have a default behaviour (1) which can be altered globally via  
the optional argument of `\dominilot`, or locally via the optional argument of `\minilot`.

`\minilot` So we define `\minilot` with an optional argument and its (current) default value, and call  
`\minilot@` the true code in the `\minilot@` macro (which has one delimited argument); we use the  
`\ifnextchar` `\ifnextchar` trick to detect a left bracket for the optional argument:

```
3260 \def\minilot{\ifnextchar[{\minilot@}{\minilot@[d]}}
```

The real code of `\minilot` is in `\minilot@`, which has a mandatory argument (delimited by  
brackets) specifying the position of the title.

`\if@minilot@used@` First, we set the global flag `\@minilot@used@true` to note that `\minilot` has been called  
(this will be used by a hint later, section 9.81.2.2 on page 426).

```
3261 \def\minilot@[#1]{%
3262 \global\@minilot@used@true
```

`\@tocfile` The name of the file containing the minilot is constructed from `\jobname` and a suffix  
`\if@mtc@longext@` `\@tocfile`, which is `.mlt` (long extensions) or `.T` (short extensions) followed by the absolute  
number of the minilot.

```
3263 \if@mtc@longext@%
3264   \def\@tocfile{mlt\The@mtc}%
3265 \else
3266   \def\@tocfile{T\The@mtc}%
3267 \fi
```

`\mtc@CkFile` Then we test (via `\mtc@CkFile`) the emptiness of this file. A warning is given if the file is empty and a flag is set (a hint will signal that an empty minilot has been requested).

`\if@mtc@FE`

`\if@mtc@empty@minilot@`

```

3268     \mtc@CkFile{\jobname.\@tocfile}
3269     \if@mtc@FE
3270     \mtcPackageInfo[I0006]{minitoc}%
3271         {\jobname.\@tocfile\space is empty}
3272     \@mtc@empty@minilot@true
3273     \else

```

`\thispageminilotstyle` We call `\thispageminilotstyle` to set the page style (by default, this does nothing because, by default, there is no page break before a minilot). The marks are not treated, because usually there is no new page for a minilot.

```

3274     \thispageminilotstyle
3275 %     \mtc@markboth{\MakeUppercase{\mltttitle}}{\MakeUppercase{\mltttitle}}%

```

`\beforeminilot` We call `\beforeminilot`, then begin a `samepage` environment (to try to discourage page breaks in a minilot) and look at the position of the title. If the title is empty, the layout is corrected. We print the title with its font (`\mtifont`), then the top rule of the minilot (if rules are present), using a `tabular` environment (to inhibit a page break between the title and the top rule). The font is set to `\mltfont`.

```

\l@mti 3276     \beforeminilot
\r@mti 3277     \relax\begin{samepage}%
\df@mtic 3278     \if #1e\let\do@mtilt\e@mti
\mtc@CkStr 3279     \else\if #1n\let\do@mtilt\n@mti
\mtctitle 3280     \else\if #1c\let\do@mtilt\c@mti
\if@mtc@FE 3281     \else\if #1l\let\do@mtilt\l@mti
\mltfont 3282     \else\if #1r\let\do@mtilt\r@mti
\mtifont 3283     \else\if #1d\let\do@mtilt\df@mtilt
\mlt@rule 3284     \fi\fi\fi\fi\fi\fi
\columnwidth 3285     \mtc@CkStr{\mltttitle}\if@mtc@FE \let\do@mtilt\e@mti\relax\fi
tabular 3286     \raggedright
3287     \parskip=\z@%
3288     \reset@font\mltfont%
3289     \parindent=\z@%
3290     \nopagebreak[4]%
3291     \kern-0.8\baselineskip\nopagebreak[4]%
3292     \par\noindent
3293     \ifx\mlt@rule\relax
3294     \begin{tabular}{@{}p{\columnwidth}@{}}
3295     \reset@font\mtifont\do@mtilt{\mtc@v\mltttitle}\\
3296     \end{tabular}%
3297     \else
3298     \begin{tabular}{@{}p{\columnwidth}@{}}
3299     \reset@font\mtifont\do@mtilt{\mtc@v\mltttitle}\\ \hline
3300     \end{tabular}%
3301     \fi

```

```

\mtc@zrule We forbid a page break after the title and the top rule, then set some layout parameters and
\mtc@BBR begin an mtc@verse environment:
\mtcindent
\mltoffset 3302 \nopagebreak[4]\null\leavevmode\mtc@zrule\\ \mtc@BBR
mtc@verse 3303 \leftmargin\mtcindent \rightmargin\mtcindent
3304 \itemindent=\z@\labelwidth=\z@%
3305 \labelsep=\z@\listparindent=\z@%
3306 \begin{mtc@verse}{\mltoffset}%

\c@lotdepth We force the effective depth of the mini-table (\c@lotdepth) to the required depth
\c@minilotdepth (\c@minilotdepth), so the printing is done inside the mtc@verse environment, where
\ lotdepth has been forced to minilotdepth, to print only the entries whose level is low
\mtc@BBR enough, then inhibit a page break. The blank line is necessary to avoid a parasite negative
indentation.

3307 \@ifundefined{c@lotdepth}{}%
3308 {\c@lotdepth=\c@minilotdepth
3309 \ifnum\c@lotdepth<1\relax\c@lotdepth=1\fi}
3310 \leavevmode\\ \mtc@BBR\vskip -.5\baselineskip

\mtc@pgno We test the presence of leaders and page numbers, then print the minilot by inputting the
\@dottedtocline minilot file. But before reading the minilot file, we must call the hook macro (asked for
\@undottedtocline by Donald ARSENEAU for his notoccite package [14]) \mtc@hook@beforeinputfile and the
\mtc@hook@beforeinputfile macro \mlt@setform which adjusts some layout parameters (defined by the user via some
\mlt@setform \mtcsetformat commands). We work in a group to keep local some macro redefinitions.
\ifinminilot The “open” and “close” features are called just before and after the insertion of the mini-table
\openminilot file.
\closeminilot
\mtcsetformat 3311 \begingroup
\mtc@strut 3312 \makeatletter
3313 \@ifundefined{mlt@pgno}%
3314 {\let\@dottedtocline\@undottedtocline}{}
3315 \@fileswfalse\mtc@hook@beforeinputfile
3316 \mlt@setform
3317 \global\openminilot\inminilottrue
3318 \@input{\jobname.\@tocfile}%
3319 \global\inminilotfalse\closeminilot
3320 \vspace{-1ex} \vspace{-\baselineskip}
3321 \leavevmode\mtc@strut
3322 \global\@nobreakfalse\endgroup

mtc@verse We close the mtc@verse environment, add the bottomrule (while preventing a page break),
\mtc@bottom@rule then close the samepage environment, and call \afterminilot. The blank line (\\) is
\\ essential.
samepage
\afterminilot 3323 \end{mtc@verse}%
3324 \kernafterminilot

```

```

3325     \nopagebreak[4]\m!t@rule\null\leavevmode\\%
3326     \vskip-1.0\baselineskip\mtc@zrule\end{samepage}%
3327     \par\pagebreak[1]\vspace*{-1ex}\afterminilot\fi}%

```

### 9.36 Patching the `\chapter` command, continued

`\l@xchapter` First, we define `\l@xchapter` which is like `\l@chapter`, but with a huge depth, to inhibit its printing (except if you cheat):

```

\@dottedtocline
\l@chapter
\l@xchapter
\chapter 3328 \def\l@xchapter{\@dottedtocline{\@M}{1em}{2.3em}}
3329 \def\chapter{xchapter}

```

`\@chapter` Then we patch `\@chapter` (the non-starred branch of `\chapter`) to add pseudo-chapter entries in the LOF and the LOT (these entries will be used by the `\dominiXXX` commands to split the LOF and the LOT into slices).

```

\sv@chapter
\addcontentsline
\ignorespaces
3330 \let\sv@chapter\@chapter
3331 \def\@chapter[#1]#2{\sv@chapter[#{1}]{#2}\relax%
3332   \addcontentsline{lof}{xchapter}{#1}%
3333   \addcontentsline{lot}{xchapter}{#1}%
3334   \ignorespaces}

```

`\mtc@schapter` We also patch `\@schapter` (the starred branch of `\chapter`) to add marks in the TOC to delimit chapters; these marks will be used by the `\dominiXXX` commands to take slices from the LOF and the LOT; as they are defined as `\relax`, they should not perturbate other packages.

```

\@schapter
\addtocontents
\chapterbegin
\chapterend
3335 \let\mtc@schapter\@schapter
3336 \def\@schapter{\addtocontents{toc}{\protect\chapterend}\mtc@schapter}
3337 \def\@schapter{\addtocontents{@@@}{\protect\chapterbegin}\mtc@schapter}
3338 \let\chapterbegin\relax
3339 \let\chapterend\relax

```

### 9.37 The `\addstarred...` commands

`\addstarredsection` If the command `\chapter` is undefined, we define the command `\addstarredsection` (only if `\section` is defined). If the command `\chapter` is defined, we define the command `\addstarredchapter`. If the command `\part` is defined, we define the command `\addstarredpart`. We use the utility command `\addst@rred` defined in section 9.31 on page 299.

```

\chapter
\section
\part
\addst@rred

```



```

3340 \@ifundefined{chapter}%
3341   {\@ifundefined{section}%
3342     {}{\def\addstarredsection#1{\addst@rred{section}{#1}}}%
3343     {\def\addstarredchapter#1{\addst@rred{chapter}{#1}}}
3344 \@ifundefined{part}%
3345   {}{\def\addstarredpart#1{\addst@rred{part}{#1}}}

```

### 9.38 TOC entries without leaders

`\@Undottedtocline` We define two internal macros to format TOC entries without leaders. The macro `\coffeeont` `\@Undottedtocline` prints no page number, but `\@Undottedtoclinep` prints it.

```

3346 \def\@Undottedtocline#1#2#3#4#5{%
3347   \ifnum #1>\c@tocdepth\relax \else
3348     \vskip \z@ \@plus.2\p@
3349     {\leftskip #2\relax \rightskip \@tocmarg \parfillskip -\rightskip
3350      \parindent #2\relax\@afterindenttrue
3351      \interlinepenalty\M
3352      \leavevmode
3353      \@tempdima #3\relax
3354      \advance\leftskip \@tempdima \null\nobreak\hskip -\leftskip
3355      {\coffeeont #4}\nobreak \nobreak\null
3356      \par}%
3357   \fi}

```

`\@Undottedtoclinep` The same but with the page number:

```

3358 \def\@Undottedtoclinep#1#2#3#4#5{%
3359   \ifnum #1>\c@tocdepth\relax \else
3360     \vskip \z@ \@plus.2\p@
3361     {\leftskip #2\relax \rightskip \@tocmarg \parfillskip -\rightskip
3362      \parindent #2\relax\@afterindenttrue
3363      \interlinepenalty\M
3364      \leavevmode
3365      \@tempdima #3\relax
3366      \advance\leftskip \@tempdima \null\nobreak\hskip -\leftskip
3367      {#4}\nobreak \hfill \nobreak\null
3368      \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}%
3369      \par}%
3370   \fi}

```

### 9.39 Mini-tables with or without leaders

`\minitoc@` This code sets the flag to false, then patches each mini-table command (its internal part).  
`\minilof@` We alter the commands `\minitoc@`, `\minilof@`, etc., to test the flag `\ifundottedmtc` and,  
`\minilot@`  
`\@dottedtocline`  
`\@Undottedtoclinep`  
`\sv@minitoc@`  
`\sv@minilof@`  
`\sv@minilot@`

if true, replace locally `\@dottedtocline` by its dotless version `\@Undottedtocline`. Of course, we must also test the availability of the `\chapter`, `\part` and `\section` commands, to avoid to define many unnecessary commands.

```

3371 \@ifundefined{chapter}{}{}%
3372   \let\sv@minitoc@\minitoc@
3373   \def\minitoc#[1]{{\ifundottedmtc\let\@dottedtocline\@Undottedtocline\fi
3374     \sv@minitoc#[1]}}%
3375   \let\sv@minilof@\minilof@
3376   \def\minilof#[1]{{\ifundottedmtc\let\@dottedtocline\@Undottedtocline\fi
3377     \sv@minilof#[1]}}%
3378   \let\sv@minilot@\minilot@
3379   \def\minilot#[1]{{\ifundottedmtc\let\@dottedtocline\@Undottedtocline\fi
3380     \sv@minilot#[1]}}}
```

`\sv@parttoc@` For the part level:

```

\sv@partlof@
\sv@partlot@ 3381 \@ifundefined{part}{}{}%
\ifundottedmtc 3382   \let\sv@parttoc@\parttoc@
  \parttoc@ 3383   \def\parttoc#[1]{{\ifundottedmtc\let\@dottedtocline\@Undottedtocline\fi
  \partlof@ 3384     \sv@parttoc#[1]}}%
  \partlot@ 3385   \let\sv@partlof@\partlof@
  3386   \def\partlof#[1]{{\ifundottedmtc\let\@dottedtocline\@Undottedtocline\fi
  3387     \sv@partlof#[1]}}%
  3388   \let\sv@partlot@\partlot@
  3389   \def\partlot#[1]{{\ifundottedmtc\let\@dottedtocline\@Undottedtocline\fi
  3390     \sv@partlot#[1]}}}
```

`\sv@secttoc@` For the section level:

```

\sv@sectlof@
\sv@sectlot@ 3391 \@ifundefined{chapter}{}{}%
\ifundottedmtc 3392   \@ifundefined{section}{}{}%
  \secttoc@ 3393   \let\sv@secttoc@\secttoc@
  \sectlof@ 3394   \def\secttoc#[1]{{\ifundottedmtc\let\@dottedtocline\@Undottedtocline\fi
  \sectlot@ 3395     \sv@secttoc#[1]}}%
  3396   \let\sv@sectlof@\sectlof@
  3397   \def\sectlof#[1]{{\ifundottedmtc\let\@dottedtocline\@Undottedtocline\fi
  3398     \sv@sectlof#[1]}}%
  3399   \let\sv@sectlot@\sectlot@
  3400   \def\sectlot#[1]{{\ifundottedmtc\let\@dottedtocline\@Undottedtocline\fi
  3401     \sv@sectlot#[1]}}}}}
```

## 9.40 The `\dominitoc` command and its siblings

`\dominitoc` The three commands `\dominitoc`, `\dominilof` and `\dominilot` are, of course, `\dominilof` very similar. They take the `\jobname.toc` file (resp. the `\jobname.lof` and `\dominilot` `\contentsline` `\chapbegin` `\starchapter`

`\jobname.lot` files) produced by the previous  $\LaTeX$  run and cut it in slices (one slice per chapter or starred chapter) into the `\jobname.mtc<N>` files (resp. the `\jobname.mlf<N>` and `\jobname.mlt<N>` files), using specific lines in the `\jobname.toc` (resp. `\jobname.lof` and `\jobname.lot`) file. These lines are essentially chapter-level entry commands (like `\contentsline{chapter}...`, `\contentsline{xchapter}...`, `\contentsline{starchapter}...`, `\chapbegin`) delimiting chapters in the TOC (or in the LOF or the LOT). Analog part-level lines delimit parts, hence also chapters.

```

\dominitoc As \dominitoc has an optional argument, whose default value is “l” (left), it calls
\dominitoc@ \dominitoc@ with a argument delimited by brackets.
@@dominitoc
@ifdominitoc@used@ The macros are \dominitoc (user interface), which calls \dominitoc@[1] (or with the
                    optional argument of \dominitoc). Then \dominitoc@[1] processes its argument and
                    calls @@dominitoc. @@dominitoc calls \dominitoc (passing \jobname as argument)
                    then close the minitoc file written. @@dominitoc reset to zero the counter of mini-tables,
                    calls \MTC@next#1.toc (where #1 is the value of \jobname), then reset again to zero
                    the counter of mini-tables. Each call to \dominitoc@ (i.e., to \dominitoc) sets the flag
                    \@dominitoc@used@true. This will be used later for a hint (which detects that you have
                    correctly called \minitoc after \dominitoc and that both or neither have been called). See
                    section 9.81.2.2 on page 426. The code is similar for \dominilof and \dominilot.

```

```

\dominitoc The \dominitoc command extracts information from the .toc file and create the minitocs
\@dominitoc files, with the adequate extension.
\MTC@next
@ifnextchar 3402 \def\@dominitoc#1{%
            3403 \makeatletter
            3404 \setcounter{mtc}{0}
            3405 \MTC@next#1.toc\relax\\}\setcounter{mtc}{0}}
            3406 \def\dominitoc{\@ifnextchar[{\dominitoc@}{\dominitoc@[1]}}

```

```

\dominilof The \dominilof command extracts information from the .lof file and create the minilofs
\@dominilof files, with the adequate extension.
\MLF@next
@ifnextchar 3407 \def\@dominilof#1{%
            3408 \makeatletter
            3409 \setcounter{mtc}{0}
            3410 \MLF@next#1.lof\relax\\}\setcounter{mtc}{0}}
            3411 \def\dominilof{\@ifnextchar[{\dominilof@}{\dominilof@[1]}}

```

```

\dominilot The \dominilot command extracts information from the .lot file and create the minilots
\@dominilot files, with the adequate extension.
\MLT@next
@ifnextchar 3412 \def\@dominilot#1{%
            3413 \makeatletter
            3414 \setcounter{mtc}{0}

```

```
3415 \MLT@next#1.lot\relax\}\setcounter{mtc}{0}}
3416 \def\dominilot{\@ifnextchar[{\dominilot@}{\dominilot@[1]}}
```

`\if@dominitoc@used@` Some code to flag the use of the command and manage the position of the minitoc title; a hint  
`\if@mtc@hints@` detects any spurious invocation. I0045

```
\@mtc@hints@given@true
  \df@mtitc 3417 \def\dominitoc@[#1]{%
    \e@mti 3418 \if@mtc@hints@
    \n@mti 3419 \if@dominitoc@used@
    \c@mti 3420 \mtcPackageInfo[I0045]{minitoc(hints)}%
    \l@mti 3421 {The \string\dominitoc \space command
    \r@mti 3422 \MessageBreak
\@@dominitoc 3423 has been invoked more than once
3424 \MessageBreak}
3425 \global\@mtc@hints@given@true
3426 \fi
3427 \fi
3428 \global\@dominitoc@used@true
3429 \if #1e\let\df@mtitc\e@mti%
3430 \else\if #1n\let\df@mtitc\n@mti%
3431 \else\if #1c\let\df@mtitc\c@mti%
3432 \else\if #1l\let\df@mtitc\l@mti%
3433 \else\if #1r\let\df@mtitc\r@mti%
3434 \fi\fi\fi\fi\fi%
3435 \@@dominitoc}
```

`\if@dominilof@used@` Some code to flag the use of the command and manage the position of the minilof title; a hint  
`\if@mtc@hints@` detects any spurious invocation. I0045

```
\@mtc@hints@given@true
  \df@mtilf 3436 \def\dominilof@[#1]{%
    \e@mti 3437 \if@mtc@hints@
    \n@mti 3438 \if@dominilof@used@
    \c@mti 3439 \mtcPackageInfo[I0045]{minitoc(hints)}%
    \l@mti 3440 {The \string\dominilof \space command
    \r@mti 3441 \MessageBreak
\@@dominilof 3442 has been invoked more than once
3443 \MessageBreak}
3444 \global\@mtc@hints@given@true
3445 \fi
3446 \fi
3447 \global\@dominilof@used@true
3448 \if #1e\let\df@mtilf\e@mti%
3449 \else\if #1n\let\df@mtilf\n@mti%
3450 \else\if #1c\let\df@mtilf\c@mti%
3451 \else\if #1l\let\df@mtilf\l@mti%
3452 \else\if #1r\let\df@mtilf\r@mti%
3453 \fi\fi\fi\fi\fi%
3454 \@@dominilof}
```

```

\if@dominilot@used@ Some code to flag the use of the command and manage the position of the minilot title; a hint
\if@mtc@hints@ detects any spurious invocation.
\@mtc@hints@given@true
\df@mtilt 3455 \def\dominilot@[#1]{%
\e@mti 3456 \if@mtc@hints@
\n@mti 3457 \if@dominilot@used@
\c@mti 3458 \mtcPackageInfo[I0045]{minitoc(hints)}%
\l@mti 3459 {The \string\dominilot \space command
\r@mti 3460 \MessageBreak
\@dominilot 3461 has been invoked more than once
3462 \MessageBreak}
3463 \global\@mtc@hints@given@true
3464 \fi
3465 \fi
3466 \global\@dominilot@used@true
3467 \if #1e\let\df@mtilt\@mti%
3468 \else\if #1n\let\df@mtilt\n@mti%
3469 \else\if #1c\let\df@mtilt\c@mti%
3470 \else\if #1l\let\df@mtilt\l@mti%
3471 \else\if #1r\let\df@mtilt\r@mti%
3472 \fi\fi\fi\fi\fi%
3473 \@dominilot}

\@dominitoc These macros invoke the \@domini... macros to create the mini-table file, then close the file
\@dominilof descriptor.
\@dominilot
\tf@mtc 3474 \def\@dominitoc{\@dominitoc{\jobname}\immediate\closeout\tf@mtc}
3475 \def\@dominilof{\@dominilof{\jobname}\immediate\closeout\tf@mtc}
3476 \def\@dominilot{\@dominilot{\jobname}\immediate\closeout\tf@mtc}

```

I0045

### 9.40.1 Analysis and splitting of the TOC file

This is done via a loop managed by the following macros <sup>8</sup>:

```

\MTC@next Processes the next entry in the list and removes it from the head of the list:
\MTC@list
\MTC@loop 3477 \def\MTC@next#1\relax#2\{\%
3478 \edef\MTC@list{#2}%
3479 \MTC@loop{#1}%
3480 }

```

<sup>8</sup> This code is derived from the xr package [114], by David P. CARLISLE, with his permission. Some modifications were made by Heiko OBERDIEK, Didier VERNA, and Bernd JAEHNE for the support of hyperref, essentially by adding an argument to some macros, to use the hyperlink argument in the contents lines.

```

\MTC@toc   Check if the list is empty:
\MTC@list
\MTC@explist 3481 \def\MTC@toc{%
              3482   \ifx\MTC@list\@empty\else\expandafter\MTC@explist\fi
              3483 }

```

```

\MTC@contentsline The macro \MTC@contentsline analyses the lines read from the TOC file and detects interesting keywords. If \chapter is found, the mtc counter (which simulates the chapter counter, but is absolute) is incremented and a new minitoc file is created.
  \arabic
  \chapter
  \themtc
  \tf@mtc 3484 \def\MTC@contentsline#1#2#3#4{%
              3485   \gdef\themtc{\arabic{mtc}}%
              3486   \expandafter\ifx\csname #1\endcsname\chapter
              3487     \stepcounter{mtc}%

```

```

\if@mtc@longext@ We test if long or short extensions are used, to build the name of the mini-table file, then open it (after closing the file descriptor):
  \themtc
  \mtcname
  \tf@mtc 3488   \if@mtc@longext@%
\closeout 3489     \mtcPackageInfo[I0033]{minitoc}%
\openout 3490       {Writing\space\jobname.mtc\themtc\@gobble}%
              3491       \def\mtcname{\jobname.mtc\themtc}%
              3492       \else
              3493         \mtcPackageInfo[I0033]{minitoc}%
              3494         {Writing\space\jobname.M\themtc\@gobble}%
              3495         \def\mtcname{\jobname.M\themtc}%
              3496       \fi
              3497       \immediate\closeout\tf@mtc
              3498       \immediate\openout\tf@mtc=\mtcname
              3499       \fi

```

I0033

```

\if@mtc@longext@ We need a similar code to detect TOC entries for appendices in the memoir class9:
  \themtc
  \mtcname 3500   \expandafter\ifx\csname #1\endcsname\appendix
  \tf@mtc 3501     \stepcounter{mtc}%
\closeout 3502   \if@mtc@longext@%
\openout 3503     \mtcPackageInfo[I0033]{minitoc}%
              3504     {Writing\space\jobname.mtc\themtc\@gobble}%
              3505     \def\mtcname{\jobname.mtc\themtc}%
              3506     \else
              3507       \mtcPackageInfo[I0033]{minitoc}%
              3508       {Writing\space\jobname.M\themtc\@gobble}%
              3509       \def\mtcname{\jobname.M\themtc}%
              3510     \fi
              3511     \immediate\closeout\tf@mtc
              3512     \immediate\openout\tf@mtc=\mtcname
              3513     \fi

```

I0033

<sup>9</sup> Tim ARNOLD has signaled the problem; thanks!

`\mtc@toks` Now, we filter the relevant contents lines, the token register `\mtc@toks` is used as a verbatim memory.

```
3514 \mtc@toks{\noexpand\leavevmode #2}%
```

`\MTC@WriteContentsline` Each interesting contents line is copied, with a font command added before it. We begin with the standard sectioning commands, below `\chapter`:

`\subsection`

```
\subsubsection 3515 \expandafter\ifx\csname #1\endcsname\section
\paragraph 3516 \MTC@WriteContentsline{#1}{mtcS}{#3}{#4}%
\subparagraph 3517 \fi
3518 \expandafter\ifx\csname #1\endcsname\subsection
3519 \MTC@WriteContentsline{#1}{mtcSS}{#3}{#4}%
3520 \fi
3521 \expandafter\ifx\csname #1\endcsname\subsubsection
3522 \MTC@WriteContentsline{#1}{mtcSSS}{#3}{#4}%
3523 \fi
3524 \expandafter\ifx\csname #1\endcsname\paragraph
3525 \MTC@WriteContentsline{#1}{mtcP}{#3}{#4}%
3526 \fi
3527 \expandafter\ifx\csname #1\endcsname\subparagraph
3528 \MTC@WriteContentsline{#1}{mtcSP}{#3}{#4}%
3529 \fi
```

`\coffee` A coffee break contents line ☕ is written for `\coffee`:

`\MTC@WriteCoffeeline`

```
3530 \expandafter\ifx\csname #1\endcsname\coffee
3531 \MTC@WriteCoffeeline{#1}{#3}%
3532 \fi
```

`\starchapter` If it is `\starchapter` (for a starred chapter), we increment the `mtc` counter, build a new minitoc file name, close the file descriptor and open it with this new file.

I0033

`\if@mtc@longext@`

```
\mtcname 3533 \expandafter\ifx\csname #1\endcsname\starchapter
\themtc 3534 \stepcounter{mtc}%
\tf@mtc 3535 \if@mtc@longext@
\closeout 3536 \mtcPackageInfo[I0033]{minitoc}%
\openout 3537 {Writing\space\jobname.mtc\themtc@gobble}%
3538 \def\mtcname{\jobname.mtc\themtc}%
3539 \else
3540 \mtcPackageInfo[I0033]{minitoc}%
3541 {Writing\space\jobname.M\themtc@gobble}%
3542 \def\mtcname{\jobname.M\themtc}%
3543 \fi
3544 \immediate\closeout\tf@mtc
3545 \immediate\openout\tf@mtc=\mtcname
3546 \fi
```

```

\starsection For starred sectioning commands lower than \chapter, a contents line is written into the
\MTC@WriteContentsline minitoc file, with a font command added:
  \starsubsection
\starsubsubsection 3547 \expandafter\ifx\csname #1\endcsname\starsection
  \starparagraph 3548 \MTC@WriteContentsline{#1}{mtcS}{#3}{#4}%
\starsubparagraph 3549 \fi
  3550 \expandafter\ifx\csname #1\endcsname\starsubsection
  3551 \MTC@WriteContentsline{#1}{mtcSS}{#3}{#4}%
  3552 \fi
  3553 \expandafter\ifx\csname #1\endcsname\starsubsubsection
  3554 \MTC@WriteContentsline{#1}{mtcSSS}{#3}{#4}%
  3555 \fi
  3556 \expandafter\ifx\csname #1\endcsname\starparagraph
  3557 \MTC@WriteContentsline{#1}{mtcP}{#3}{#4}%
  3558 \fi
  3559 \expandafter\ifx\csname #1\endcsname\starsubparagraph
  3560 \MTC@WriteContentsline{#1}{mtcSP}{#3}{#4}%
  3561 \fi
  3562 }

\MTC@explist The loop to read the lines of the TOC file; it expands the list of entries and call \MTC@next to
  \MTC@next process the first one:
  \MTC@list
  3563 \def\MTC@explist{\expandafter\MTC@next\MTC@list\}

\MTC@loop If an entry is found, loop through line by line, looking for interesting entries. Otherwise,
  \openin process the next entry in the list.
\@inputcheck
  \MTC@toc 3564 \def\MTC@loop#1{\openin\@inputcheck#1\relax
\MTC@read 3565 \ifeof\@inputcheck
  3566 \mtcPackageWarning[W0010]{minitoc}%
  3567 {No file #1.
  3568 \MessageBreak
  3569 MINITOCs NOT PREPARED}%
  3570 \expandafter\MTC@toc
  3571 \else
  3572 \mtcPackageInfo[I0024]{minitoc}{PREPARING MINITOCs FROM #1}%
  3573 \expandafter\MTC@read
  3574 \fi
  3575 }

\MTC@read Read the next entry of the .toc file.
  \read
\@inputcheck 3576 \def\MTC@read{%
  \MTC@line 3577 \read\@inputcheck to\MTC@line

```

W0010
I0024



```

\MTC@test The . . . . . make sure that \MTC@test has enough arguments:
\MTC@line
  \MTC@ 3578 \expandafter\MTC@test\MTC@line. . . . \MTC@%
        3579 }%

\MTC@test The \MTC@test macro finds the “interesting” commands in the TOC file, mainly to delimit
\MTC@contentsline chapters10:

\MTC@test Look at the first token of the line. If it is an interesting entry, process it. If it is \@input, add
\MTC@contentsline the file to the list. Otherwise ignore. Go around the loop if not at end of file. Finally process
\contentsline the next file in the list.
\mtc@string
  \@input 3580 \long\def\MTC@test#1#2#3#4#5#6\MTC@{%
\MTC@list 3581 \ifx#1\contentsline
\chapterend 3582 \let\mtc@string\string
\closeout 3583 \MTC@contentsline{#2}{#3}{#4}{#5}%
  \tf@mtc 3584 \let\mtc@string\relax
\openout 3585 \else\ifx#1\@input
\chapterbegin 3586 \edef\MTC@list{\MTC@list#2\relax}%
\addtocounter 3587 \else\ifx#1\chapterend
\MTC@toc 3588 \immediate\closeout\tf@mtc
\MTC@read 3589 \immediate\openout\tf@mtc=\jobname.mtc
3590 \else\ifx#1\chapterbegin
3591 \addtocounter{mtc}{-1}%
3592 \fi\fi\fi\fi
3593 \ifeof\@inputcheck
3594 \expandafter\MTC@toc
3595 \else
3596 \expandafter\MTC@read
3597 \fi
3598 }%

```

## 9.41 Mini-lists of figures

The code is similar to the code for mini-tables of contents, but with less commands to recognize.

<sup>10</sup>The macro `\MTC@test` has been patched to call `\MTC@contentsline` with four parameters instead of three (thanks to Heiko OBERDIEK, Didier VERNA, Bernd JAEHNE and A. J. “Tony” ROBERTS). The same remark applies to similar macros.

## 9.41.1 Analysis and splitting of the list of figures file

`\MLF@next` This is done via a loop managed by the following macros:  
`\MLF@list`  
`\MLF@loop` Processes the next entry in the list and removes it from the head of the list:

```
3599 \def\MLF@next#1\relax#2\{\%
3600 \edef\MLF@list{#2}%
3601 \MLF@loop{#1}}
```

`\MLF@lof` Checks if the list is empty:  
`\MLF@list`  
`\MLF@explist` 3602 `\def\MLF@lof{%`  
 3603 `\ifx\MLF@list\@empty\else\expandafter\MLF@explist\fi}`

`\MLF@contentsline` The macro `\MLF@contentsline` analyses the lines read from the LOF file and detects interesting keywords. If `\xchapter` is found, the counter `mtc` is incremented and a new minilof file is created.  
`\arabic`  
`\xchapter`

```
3604 \def\MLF@contentsline#1#2#3#4{%
3605 \gdef\themtc{\arabic{mtc}}%
3606 \expandafter\ifx\csname #1\endcsname\xchapter
3607 \stepcounter{mtc}%
```

`\if@mtc@longext@` The name of the minilof file is built from `\jobname` and a long or short extension:

I0033

```
\themtc
\mlfname 3608 \if@mtc@longext@
\closeout 3609 \mtcPackageInfo[I0033]{minitoc}%
\tf@mtc 3610 {Writing\space\jobname.mlf\themtc@gobble}
\openout 3611 \def\mlfname{\jobname.mlf\themtc}%
3612 \else
3613 \mtcPackageInfo[I0033]{minitoc}%
3614 {Writing\space\jobname.F\themtc@gobble}
3615 \def\mlfname{\jobname.F\themtc}%
3616 \fi
3617 \immediate\closeout\tf@mtc
3618 \immediate\openout\tf@mtc=\mlfname
3619 \fi
```

`\figure` The token register `\mtc@toks` is used to pass the entry to `\MTC@WriteContentsline`. If we found a `\figure` entry, we copy it into the minilof file:

```
\subfigure
\mtc@toks
\MTC@WriteContentsline 3620 \expandafter\ifx\csname #1\endcsname\figure
3621 \mtc@toks{\noexpand\leavevmode#2}%
3622 \MTC@WriteContentsline{#1}{mlf}{#3}{#4}%
```

```

3623 \fi
3624 \expandafter\ifx\csname #1\endcsname\subfigure
3625 \mtc@toks{\noexpand\leavevmode#2}%
3626 \MTC@WriteContentsline{#1}{mlfS}{#3}{#4}%
3627 \fi
3628 }

```

\MLF@explist The loop to read the LOF file; it expands the list of entries and calls \MLF@next to process the first one:

```

\MLF@next
\MLF@list
3629 \def\MLF@explist{\expandafter\MLF@next\MLF@list\}

```

\MLF@loop And now, we scan the .lof file:

```

\openin
\@inputcheck 3630 \def\MLF@loop#1{\openin\@inputcheck#1\relax
\MLF@lof 3631 \ifeof\@inputcheck
\MLF@read 3632 \mtcPackageWarning[W0008]{minitoc}%
3633 {No file #1.
3634 \MessageBreak
3635 MINILOFS NOT PREPARED}%
3636 \expandafter\MLF@lof
3637 \else
3638 \mtcPackageInfo[I0034]{minitoc}%
3639 {PREPARING MINILOFS FROM #1}%
3640 \expandafter\MLF@read\fi}

```

W0008
I0034

\MLF@read Read the next entry in the .lof file:

```

\read
\@inputcheck 3641 \def\MLF@read{%
3642 \read\@inputcheck to\MLF@line

```

\MLF@line The . . . . . make sure that \MLF@test has enough arguments:

```

\MLF@test
\MLF@ 3643 \expandafter\MLF@test\MLF@line. . . . \MLF@%
3644 }%

```

\MLF@test The \MLF@test macro finds the “interesting” commands in the LOF file, mainly to delimit chapters.

```

\contentsline Look at the first token of the line. If it is an interesting entry, process it. If it is \@input, add
  \mtc@string the file to the list. Otherwise ignore. Go around the loop if not at end of file. Finally process
\MLF@contentsline the next file in the list.
  \@input
  \MLF@list 3645 \long\def\MLF@test#1#2#3#4#5#6\MLF@{%
\chapterend 3646 \ifx#1\contentsline
  \closeout 3647 \let\mtc@string\string
  \tf@mtc 3648 \MLF@contentsline{#2}{#3}{#4}{#5}%
  \openout 3649 \let\mtc@string\relax
\chapterbegin 3650 \else\ifx#1\@input
\addtocounter 3651 \edef\MLF@list{\MLF@list#2\relax}%
  \MLF@lof 3652 \else\ifx#1\chapterend
  \MLF@read 3653 \immediate\closeout\tf@mtc
  3654 \immediate\openout\tf@mtc=\jobname.mtc
  3655 \else\ifx#1\chapterbegin
  3656 \addtocounter{mtc}{-1}%
  3657 \fi\fi\fi\fi
  3658 \ifeof\@inputcheck\expandafter\MLF@lof
  3659 \else\expandafter\MLF@read\fi}%

```

## 9.42 Mini-lists of tables

The code is similar to the code for mini-tables of contents, but with less commands to recognize.

### 9.42.1 Analysis and splitting of the list of tables file

```

\MLT@next This is done via a loop managed by the following macros:
\MLT@list
\MLT@loop Processes the next entry in the list and removes it from the head of the list:

3660 \def\MLT@next#1\relax#2\{\%
3661 \edef\MLT@list{#2}%
3662 \MLT@loop{#1}}

\MLT@lot Checks if the list is empty:
\MLT@list
\MLT@explist 3663 \def\MLT@lot{%
3664 \ifx\MLT@list\@empty\else\expandafter\MLT@explist\fi}

```

`\MLT@contentsline` The macro `\MLT@contentsline` analyses the lines read from the LOT file and detects interesting keywords. If `\xchapter` is found, the `mtc` counter is incremented and a new minilot file is created.

```
3665 \def\MLT@contentsline#1#2#3#4{%
3666   \gdef\themtc{\arabic{mtc}}%
3667   \expandafter\ifx\csname #1\endcsname\xchapter
3668     \stepcounter{mtc}%
```

`\if@mtc@longext@` The name of the minilot file it build from `\jobname` and a long or short extension:

I0033

```
\themtc
\mltname 3669   \if@mtc@longext@
\closeout 3670   \mtcPackageInfo[I0033]{minitoc}%
\tf@mtc 3671     {Writing\space\jobname.mlt\themtc@gobble}%
\openout 3672     \def\mltname{\jobname.mlt\themtc}%
3673   \else
3674     \mtcPackageInfo[I0033]{minitoc}%
3675     {Writing\space\jobname.T\themtc@gobble}%
3676     \def\mltname{\jobname.T\themtc}%
3677   \fi
3678   \immediate\closeout\tf@mtc
3679   \immediate\openout\tf@mtc=\mltname
3680   \fi
```

`\table` The token register `\mtc@toks` is used to pass the entry to `\MTC@WriteContentsline`. If we found a `\table` entry, we copy it into the minilot file:

```
\mtc@toks
\MTC@WriteContentsline 3681   \expandafter\ifx\csname #1\endcsname\table
3682     \mtc@toks{\noexpand\leavevmode#2}%
3683     \MTC@WriteContentsline{#1}{mlt}{#3}{#4}%
3684   \fi
3685   \expandafter\ifx\csname #1\endcsname\subtable
3686     \mtc@toks{\noexpand\leavevmode#2}%
3687     \MTC@WriteContentsline{#1}{mltS}{#3}{#4}%
3688   \fi
3689 }
```

`\MLT@explist` The loop to read the LOT file; it expands the list of entries and calls `\MLT@next` to process the first one:

```
\MLT@next
\MLT@list
3690 \def\MLT@explist{\expandafter\MLT@next\MLT@list\}
```

`\MLT@loop` And now, we scan the `.lot` file:

```
\openin
\@inputcheck 3691 \def\MLT@loop#1{\openin\@inputcheck#1\relax
\MLT@lot 3692   \ifeof\@inputcheck
\MLT@read
```

W0009

I0037

```

3693 \mtcPackageWarning[W0009]{minitoc}%
3694     {No file #1.
3695     \MessageBreak
3696     MINILOTS NOT PREPARED}%
3697 \expandafter\MLT@lot
3698 \else
3699 \mtcPackageInfo[I0037]{minitoc}%
3700     {PREPARING MINILOTS FROM #1}%
3701 \expandafter\MLT@read\fi}

```

```

\MLT@read Read the next entry in the .lot file:
  \read
\@inputcheck 3702 \def\MLT@read{%
3703   \read\@inputcheck to\MLT@line

```

```

\MLT@line The . . . . . make sure that \MLT@test has enough arguments:
\MLT@test
  \MLT@ 3704 \expandafter\MLT@test\MLT@line. . . . \MLT@%
3705   }%

```

\MLT@test The \MLT@test macro finds the “interesting” commands in the LOT file, mainly to delimit chapters.

```

\contentsline Look at the first token of the line. If it is an interesting entry, process it. If it is \@input, add
  \mtc@string the file to the list. Otherwise ignore. Go around the loop if not at end of file. Finally process
\MLT@contentsline the next file in the list.
  \@input
  \MLT@list 3706 \long\def\MLT@test#1#2#3#4#5#6\MLT@{%
\chapterend 3707 \ifx#1\contentsline
  \closeout 3708 \let\mtc@string\string
  \tf@mtc 3709 \MLT@contentsline{#2}{#3}{#4}{#5}%
  \openout 3710 \let\mtc@string\relax
\chapterbegin 3711 \else\ifx#1\@input
\addtocounter 3712 \edef\MLT@list{\MLT@list#2\relax}%
  \MLT@lot 3713 \else\ifx#1\chapterend
  \MLT@read 3714 \immediate\closeout\tf@mtc
3715 \immediate\openout\tf@mtc=\jobname.mtc
3716 \else\ifx#1\chapterbegin
3717 \addtocounter{mtc}{-1}%
3718 \fi\fi\fi\fi
3719 \ifeof\@inputcheck\expandafter\MLT@lot
3720 \else\expandafter\MLT@read\fi}%

```

Note that we terminate with a closing brace to end the chapter-level macros (end of the *else* branch of a `\@ifundefined{chapter}` alternative).

```

3721 }%

```

### 9.43 Macro to write a contents line

`\mtc@dot` The `\MTC@WriteContentsline` macro makes the definition of `\MTC@contentsline` shorter.  
`\MTC@WriteContentsline` An extra `\edef` level is removed (Heiko OBERDIEK):  
`\mtc@param`  
`\write` The arguments of `\MTC@WriteContentsline` are:  
`\tf@mtc`  
`\@resetfont`  
`\mtc@string` #1: the #1 argument of `\MTC@contentsline`;  
`\contentsline` #2: font shorthand =: `\csname #2font\endcsname`;  
`\mtc@toks` #3: the #3 argument of `\MTC@contentsline`;  
#4: the #4 argument of `\MTC@contentsline` (hyperlink).

The token register `\mtc@toks` is used to pass the entry to `\MTC@WriteContentsline`.

```

3722 \def\mtc@dot{.}
3723 \def\MTC@WriteContentsline#1#2#3#4{%
3724   \def\mtc@param{#4}%
3725   \immediate\write\tf@mtc{%
3726     {\string\reset@font
3727     \expandafter\string\csname #2font\endcsname
3728     \string\mtc@string
3729     \string\contentsline{#1}%
3730     {\the\mtc@toks}%
3731     {\string\reset@font
3732     \expandafter\string\csname #2font\endcsname
3733     \space #3%
3734     }%
3735     \ifx\mtc@dot\mtc@param
3736     \else
3737       {#4}%
3738     \fi
3739   }%
3740 }%
3741 }

```

`\MTC@WriteCoffeeline` And the same for a “coffee” ☕ line. The arguments of the macro `\MTC@WriteCoffeeline` are:  
`\write`  
`\tf@mtc`  
`\@resetfont`  
`\coffee@font` #1: the #1 argument of `\MTC@contentsline`;  
`\mtc@string` #2: the #3 argument of `\MTC@contentsline`.  
`\mtc@toks`

The token register `\mtc@toks` is used to pass the entry to `\MTC@WriteCoffeeline`. Le registre *token* `\mtc@toks` est utilisé pour passer l’entrée à `\MTC@WriteCoffeeline`.

```

3742 \def\MTC@WriteCoffeeline#1#2#3{%
3743   \immediate\write\tf@mtc{%
3744     {\string\reset@font \string\coffeefont \string\mtc@string
3745       {\the\mtc@toks}%
3746     {\string\reset@font \string\coffeefont \space #3%
3747     }%
3748   }%
3749 }%
3750 }

```

## 9.44 Depth counters for partlofs and partlots

`\AtBeginDocument` If the counters `lofdepth` and `lotdepth` are defined, we create the corresponding new counters: `partlofdepth` and `partlotdepth`. These counters are initialized to 2. This is done after the loading of the packages, in an `\AtBeginDocument` block:

```

\newcounter
\setcounter
\c@lofdepth
\c@lotdepth 3751 \AtBeginDocument{%
3752   \@ifundefined{c@lofdepth}{}%
3753   {\newcounter{partlofdepth}\setcounter{partlofdepth}{2}}%
3754   \@ifundefined{c@lotdepth}{}%
3755   {\newcounter{partlotdepth}\setcounter{partlotdepth}{2}}%
3756 }%

```

## 9.45 Part level commands

`\xpart` If `\part` is defined, we define some utility commands, a counter (`ptc`) for the parttocs and related commands (`\theptc`, `\Thepart`, `\adjustptc`, `\decrementptc`, `\incrementptc`), the obsolete command `\firstpartis`, and the depth counter `parttocdepth`.

```

\theptc
\Thepart
\adjustptc
\decrementptc 3757 \@ifundefined{part}{}%
\incrementptc 3758 {%
\firstpartis 3759 \def\xpart{xpart}
\firstpartis 3760 \def\Thepart{\arabic{ptc}}
\if@firstpartis@used@ 3761 \def\firstpartis#1%
\newcounter 3762   {\mtcPackageWarning[W0004]{minitoc}%
\setcounter 3763     {\string\firstpartis \space is an obsolete (ignored)
3764     \MessageBreak
3765     command}%
3766     \@firstpartis@used@true}
3767 \newcounter{ptc}
3768 \setcounter{ptc}{0}
3769 \newcommand{\adjustptc}[1][1]{\addtocounter{ptc}{#1}}
3770 \def\decrementptc{\addtocounter{ptc}{-1}}
3771 \def\incrementptc{\addtocounter{ptc}{+1}}
3772 \def\theptc{\arabic{ptc}}

```

W0004



```
3773 \newcounter{parttocdepth}
3774 \setcounter{parttocdepth}{2}
```

`\ptc@rule` But, sometimes, we need to make a difference between book/report and article classes (is `\columnwidth` `\chapter` defined?), to have a different layout: the definition of `\ptc@rule` is empty except if `\chapter` is undefined. By default, there is no rule before/after parttoCs, partlofs, and partlots for books. You should redeclare `\ptc@rule` if you want these rules.

```
3775 \@ifundefined{chapter}%
3776   {\def\ptc@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}}%
3777   {\let\ptc@rule\relax}
```

`\ptcindent` And we declare the default indentation (both sides) of the parttoCs:

```
3778 \newlength\ptcindent
3779 \@ifundefined{chapter}{\ptcindent=24\p@}{\ptcindent=\z@}
```

## 9.46 Fonts for the parttoCs

`\ptcfont` We define the fonts for the parttoCs. Note that they are larger if `\chapter` is defined  
`\ptcSfont` (book/report-like document classes) than when it is not (article-like document classes):  
`\ptcSSfont`  
`\ptcSSSfont` 3780 \@ifundefined{chapter}{%

```

\ptcPfont 3781   \def\ptcfont{\small\rmfamily\upshape\mdseries} % the parttoc
\ptcSPfont 3782   \def\ptcSfont{\small\rmfamily\upshape\bfseries}% (sections)
\plffont 3783   \let\ptcSSfont\ptcfont      % (subsections)
\plfSfont 3784   \let\ptcSSSfont\ptcfont  % (subsubsections)
\pltfont 3785   \let\ptcPfont\ptcfont      % (paragraphs)
\pltSfont 3786   \let\ptcSPfont\ptcfont    % (subparagraphs)
\ptifont 3787   \let\plffont\ptcfont          % (figures)
          3788   \let\plfSfont\ptcfont      % (subfigures)
          3789   \let\pltfont\ptcfont          % (tables)
          3790   \let\pltSfont\ptcfont       % (subtables)
          3791   \def\ptifont{\Large\rmfamily\upshape\bfseries}% titles
3792 }%
```

`\ptcfont` If `\chapter` is defined, the fonts are larger and `\ptcCfont` must be defined:  
`\ptcCfont`  
`\ptcSfont` 3793 {%

```

\ptcSSfont 3794   \def\ptcfont{\normalsize\rmfamily\upshape\mdseries} % the parttoc
\ptcSSSfont 3795   \def\ptcCfont{\normalsize\rmfamily\upshape\bfseries}% (chapters)
\ptcPfont 3796   \def\ptcSfont{\normalsize\rmfamily\upshape\mdseries}% (sections)
\ptcSPfont 3797   \let\ptcSSfont\ptcfont      % (subsections)
\plffont 3798   \let\ptcSSSfont\ptcfont  % (subsubsections)
\plfSfont
\pltfont
\pltSfont
\ptifont
```

```

3799 \let\ptcPfont\ptcfont % (paragraphs)
3800 \let\ptcSPfont\ptcfont % (subparagraphs)
3801 \let\plffont\ptcfont % (figures)
3802 \let\plfSfont\ptcfont % (subfigures)
3803 \let\pltfont\ptcfont % (tables)
3804 \let\pltSfont\ptcfont % (subtables)
3805 \def\ptifont{\LARGE\rmfamily\upshape\bfseries}% titles
3806 }

```

## 9.47 Default titles for part-level mini-tables

`\parttoc` We define the default position, the fonts and the layout for titles of the part-level mini-tables  
`\partlof` (`\parttoc`, `\partlof` and `\partlot`). This formatting is different if `\chapter` is defined or  
`\partlot` undefined.

`\c@pti` If `\chapter` is undefined, the definitions are very simple, for centered, flushleft, flushright or  
`\l@pti` empty titles. Here, empty titles need a vertical correction (Frank MITTELBACH).  
`\r@pti`

```

\@pti 3807 \@ifundefined{chapter}{%
\n@pti 3808 \def\c@pti#1{\null\hfill #1\hfill\null}
3809 \def\l@pti#1{\null #1\hfill\null}
3810 \def\r@pti#1{\null\hfill #1\null}
3811 \def\@pti#1{\vspace{-\baselineskip}}
3812 \def\n@pti#1{\vspace{-\baselineskip}}}%

```

`\@pti` But, if `\chapter` is defined, we must simulate the formatting of a chapter head, which is more  
`\n@pti` complex. Here, empty titles need a vertical correction (Frank MITTELBACH).

```

3813 {%
3814 \def\@pti#1{\vspace{-\baselineskip}} \def\n@pti#1{\vspace{-\baselineskip}}

```

`\l@pti` For a title on the left, we must test if the main text is on two columns:

```

\if@twocolumn
\@topnewpage 3815 \def\l@pti#1{\if@twocolumn \@topnewpage[\@makehead@l{#1}]%
\@afterheading 3816 \else \@makehead@l{#1}\@afterheading \fi}
\ptifont 3817 \def\@makehead@l#1{%
\@makehead@l 3818 \vspace*{\mtcgapbeforeheads}%
\mtcgapbeforeheads 3819 {\parindent \z@ \raggedright \ptifont #1\par \nobreak
\mtcgapafterheads 3820 \vskip \mtcgapafterheads\hbox{}
3821 }}

```

```

\l@pti For a title on the right, we must also test if the main text is on two columns:
\if@twocolumn
\@topnewpage 3822 \def\r@pti#1{\if@twocolumn \@topnewpage[\@makehead@r{#1}]
\@makehead@r 3823 \else \@makehead@r{#1}\@afterheading \fi}
\@afterheading 3824 \def\@makehead@r#1{%
\ptifont 3825 \vspace*{\mtcgapbeforeheads}%
\mtcgapbeforeheads 3826 {\parindent \z@ \raggedleft \ptifont #1\par \nobreak
\mtcgapafterheads 3827 \vskip \mtcgapafterheads\hbox{}
3828 }}

```

```

\c@pti For a centered title, we must also test if the main text is on two columns:
\if@twocolumn
\@topnewpage 3829 \def\c@pti#1{\if@twocolumn \@topnewpage[\@makehead@c{#1}]}%
\@makehead@c 3830 \else \@makehead@c{#1}\@afterheading \fi}
\@afterheading 3831 \def\@makehead@c#1{%
\ptifont 3832 \vspace*{\mtcgapbeforeheads}%
\mtcgapbeforeheads 3833 {\parindent \z@ \centering \ptifont #1\par \nobreak
\mtcgapafterheads 3834 \vskip \mtcgapafterheads\hbox{}
3835 }}%
3836 }

```

```

\l@pti By default, titles are on left:
\do@ptitc
\df@ptitc 3837 \let\do@ptitc\l@pti \let\df@ptitc\l@pti
\do@ptilf 3838 \let\do@ptilf\l@pti \let\df@ptilf\l@pti
\df@ptilf 3839 \let\do@ptilt\l@pti \let\df@ptilt\l@pti
\do@ptilt
\df@ptilt

```

## 9.48 The ptc@verse environment

```

ptc@verse Each parttoc is placed inside a ptc@verse environment. This environment is analog to
\ptc@verse the standard verse environment and hence defined via two commands: \ptc@verse and
\endptc@verse \endptc@verse. As it is a list environment, we first define (in a local way) \, then
\ call \list{} and set some dimensions like \itemsep, \itemindent, \listparindent,
\@centercr \itemindent, \partopsep, \topsep. \parsep is set to zero if the tight option is
\list active (this reduces the spacing between the lines). \parskip is set to zero if the k-tight
\itemsep option is active (this reduces the spacing between the lines). Both margins are set to
\itemindent \ptcindent. \endptc@verse terminates the list and discourages a page break. The
\listparindent ptc@verse environment has an argument which is an horizontal offset (a command like
\topsep \ptcoffset).
\parsep
\parskip 3840 \def\ptc@verse#1{\let\=\@centercr
\partopsep 3841 \list{}}%
\ptcindent 3842 \topsep=lex \itemsep=\z@ \itemindent=\z@
\iftightmtc 3843 \listparindent=\itemindent \partopsep=\z@
\ifktightmtc 3844 \leftmargin=\ptcindent \rightmargin=\leftmargin

```

```

3845 \iftightmtc \parsep=\z@ \fi
3846 \ifkttightmtc \parskip=\z@ \fi
3847 \addtolength{\leftmargin}{+#1}
3848 \addtolength{\rightmargin}{-#1}
3849 }%
3850 \item[]}
3851 \def\endptc@verse{\nopagebreak[4]\endlist}

```

## 9.49 The part level mini-tables: `\parttoc`, `\partlof`, and `\partlot`

`\parttoc` `\partlof` `\partlot` These commands are essentially similar to the `\minitoc` command, except that they should be placed after a `\part` command to produce a `parttoc`, a `partlof` or a `partlot`, and the formatting is different and depends on the availability of the `\chapter` command (for the fonts and the horizontal rules). The code is very similar. The `\partlof` and `\partlot` commands are siblings of the `\parttoc` command. Note that `\parttoc`, `\partlof` and `\partlot` use page styles, because `\beforepart...` and `\afterpart...` commands imply usually a `\clear[double]page` command, and hence `\markboth{...}{...}` must be called.

### 9.49.1 The `\parttoc` command

`\parttoc` This command must be used after `\part` if you need a `parttoc` (no automatic `parttoc`). First, `\parttoc@` `\parttoc` detects the presence of its optional argument, and uses its default value, `d`, if it is missing. Then, `\parttoc@` is called with the effective position as argument:

```

3852 \def\parttoc{\@ifnextchar[{\parttoc@}{\parttoc@d}}

```

`\parttoc@` The `\parttoc@` macro does the real work. It first sets the flag `\if@parttoc@used@` (for a consistency hint) and checks if long extensions are used or not (to create the name of the `parttoc` file):

```

\if@parttoc@used@
\if@mtc@longext@
\@tocfile
\Thepart
3853 \def\parttoc@[#1]{%
3854 \global\@parttoc@used@true
3855 \if@mtc@longext@%
3856 \def\@tocfile{ptc\Thepart}%
3857 \else
3858 \def\@tocfile{P\Thepart}%
3859 \fi

```

`\mtc@CkFile` Then, we check the presence of the parttoc file and give a warning if it is not here:

```

\if@mtc@FE
  \@tocfile
3860     \mtc@CkFile{\jobname.\@tocfile}
3861     \if@mtc@FE
3862     \mtcPackageInfo[I0006]{minitoc}%
3863         {\jobname.\@tocfile\space is empty}
3864     \@mtc@empty@parttoc@true
3865     \else

```

`\beforeparttoc` If the parttoc file is present, we can insert it, but we must add some presentation code: first, `\beforeparttoc`, of course:

```

3866     \beforeparttoc

```

`\mtc@markboth` If `\chapter` is defined, we just set the page marks with the parttoc title and set the page style:

```

  \@mkboth
\thispageparttocstyle 3867     \@ifundefined{chapter}{}{%
\MakeUppercase 3868     \global\let\mtc@markboth\markboth \global\let\@mkboth\markboth
  \ptctitle 3869     \thispageparttocstyle
3870     \mtc@markboth{\MakeUppercase{\ptctitle}}{\MakeUppercase{\ptctile}}}%

```

`\do@ptitc` A samepage environment is begun, then the argument is treated to set the position of the parttoc title. If the title string is empty, this forces the positioning.

```

  \e@pti
  \n@pti
  \c@pti 3871     \relax\begin{samepage}%
  \l@pti 3872     \if #1e\let\do@ptitc\e@pti
  \r@pti 3873     \else\if #1n\let\do@ptitc\n@pti
  \df@pti 3874     \else\if #1c\let\do@ptitc\c@pti
\mtc@CkStr 3875     \else\if #1l\let\do@ptitc\l@pti
  \ptctitle 3876     \else\if #1r\let\do@ptitc\r@pti
  \if@mtc@FE 3877     \else\if #1d\let\do@ptitc\df@ptitc
  samepage 3878     \fi\fi\fi\fi\fi\fi
3879     \mtc@CkStr{\ptctitle}\if@mtc@FE \let\do@ptitc\e@pti\relax\fi

```

`\raggedright` We adjust some formatting parameters and avoid a page break between the title and the parttoc, then we set the font:

```

  \parskip
  \ptcfont
3880     \raggedright \reset@font\ptcfont \parskip=\z@ \parindent=\z@%
3881     \nopcodebreak[4]\kern-0.8\baselineskip\nopcodebreak[4]%
3882     \par\noindent \nopcodebreak[4]%

```

`\ptc@rule` The parttoc title is set in a tabular environment (to inhibit a page break between the title and the top rule), with a rule at its bottom if necessary. This rule is an `\hline`. It is the top rule of the parttoc.

```

\columnwidth
\ptifont
\do@ptitc 3883      \ifx\ptc@rule\relax
\mtc@v 3884      \begin{tabular}{@{}p{\columnwidth}@{}}
\ptctitle 3885      \reset@font\ptifont\do@ptitc{\mtc@v\ptctitle}\\
\hline 3886      \end{tabular}%
3887      \else
3888      \begin{tabular}{@{}p{\columnwidth}@{}}
3889      \reset@font\ptifont\do@ptitc{\mtc@v\ptctitle}\\
3890      \end{tabular}%
3891      \fi

```

`\mtc@zrule` Then, we adjust the position close the top rule and set the indentation and some formatting parameters:

```

\mtc@BBR
\ptcindent
3892      \nopagebreak[4]\null\leavevmode\mtc@zrule\\*[-\baselineskip]\mtc@BBR
3893      \leftmargin\ptcindent \rightmargin\ptcindent
3894      \itemindent=\z@ \labelwidth=\z@ \labelsep=\z@ \listparindent=\z@

```

`ptc@verse` We enter in a `ptc@verse` environment to format the parttoc. The toc depth is forced (locally) to `parttocdepth`. A little trick is necessary to adjust the position. A blank line is necessary to avoid a negative indentation.

```

\c@tocdepth
\c@parttocdepth
\mtc@BBR 3895      \begin{ptc@verse}{\ptc@offset}\c@tocdepth=\c@parttocdepth%
3896      \leavevmode\\ \mtc@BBR\vskip -.5\baselineskip

```

`\ptc@pgno` If the contents lines must have no numbers, we replace the macro `\@dottedtocline` with its undotted version. For chapter-level entries, we must invoke `\l@chapter` ignoring the page number argument. A hook (redefinissable command) is added, and the formatting settings coming from `\mtcsetformat` are activated via `\ptc@setform`. Then the parttoc file is inserted, followed by a strut, and the `ptc@verse` environment is terminated. The “open” and “close” features are called just before and after the insertion of the mini-table file.

```

\@undottedtocline
\mtc@hook@beforeinputfile
\ptc@setform
\ifinparttoc
\openparttoc
\closeparttoc 3897 \begingroup
\@tocfile 3898 \makeatletter
\mtc@strut 3899 \@ifundefined{ptc@pgno}%
ptc@verse 3900 {\let\@dottedtocline\@undottedtocline}{}
3901 \@ifundefined{ptc@pgno}%
3902 {\let\l@chapter@SVPN\l@chapter%
3903 \def\l@chapter##1##2{\l@chapter@SVPN{##1}{\hbox{}}}}{}
3904 \@filesfalse\mtc@hook@beforeinputfile
3905 \ptc@setform
3906 \openparttoc/global\inparttoctrue
3907 \@input{\jobname.\@tocfile}%
3908 \global\inparttocfalse\closeparttoc

```

```

3909 \vspace{-1ex} \vspace{-1\baselineskip}
3910 \leavevmode\mtc@strut
3911 \global\@nobreakfalse\endgroup
3912 \end{ptc@verse}%

```

`\ptc@rule` The final part is just to add the bottom rule, if necessary, a possible page break (if `\chapter` is not defined), and `\afterparttoc`.

```

\mtc@zrule
  samepage
\afterparttoc 3913 \kernafterparttoc
3914 \nopagebreak[4]\ptc@rule\null\leavevmode\%
3915 \vskip-1.0\baselineskip\mtc@zrule\end{samepage}%
3916 \par\@ifundefined{chapter}{\pagebreak[1]\vspace*{-1ex}}%
3917 \afterparttoc\fi}%

```

### 9.49.2 The `\partlof` command

`\partlof` This command must be used after `\part` if you need a partlof (no automatic partlof). First, `\partlof@` detects the presence of its optional argument, and uses its default value, `d`, if it is missing. Then, `\partlof@` is called with the effective position as argument:

```

3918 \def\partlof{\@ifnextchar[{\partlof@}{\partlof@d}}

```

`\partlof@` The `\partlof@` macro does the real work. It first sets the flag `\if@partlof@used@` (for a consistency hint) and checks if long extensions are used or not (to create the name of the partlof file):

```

\if@partlof@used@
\if@mtc@longext@
\@tocfile
\Thepart 3919 \def\partlof@[#1]{%
3920 \global\@partlof@used@true
3921 \if@mtc@longext@%
3922 \def\@tocfile{plf\Thepart}%
3923 \else
3924 \def\@tocfile{G\Thepart}%
3925 \fi

```

`\mtc@CkFile` Then, we check the presence of the partlof file and give a warning if it is not here:

```

\if@mtc@FE
\@tocfile 3926 \mtc@CkFile{\jobname.\@tocfile}
3927 \if@mtc@FE
3928 \mtcPackageInfo[I0006]{minitoc}%
3929 {\jobname.\@tocfile\space is empty}
3930 \@mtc@empty@partlof@true
3931 \else

```

I0006

`\beforepartlof` If the partlof file is present, we can insert it, but we must add some presentation code: first, `\beforepartlof`, of course:

```
3932     \beforepartlof
```

`\mtc@markboth` If `\chapter` is defined, we just set the page marks with the partlof title and set the page style:

```

\@mkboth
\thispagepartlofstyle 3933     \ifundefined{chapter}{}%
\MakeUppercase 3934     {\global\let\mtc@markboth\markboth
\plftitle 3935     \global\let\@mkboth\markboth
3936     \thispagepartlofstyle
3937     \mtc@markboth{\MakeUppercase{\plftitle}}{\MakeUppercase{\plftitle}}%
3938     }%
```

`\do@ptilf` A `samepage` environment is begun, then the argument is treated to set the position of the partlof title. If the title string is empty, this forces the positioning.

```

\@pti
\n@pti
\c@pti 3939     \relax\begin{samepage}%
\l@pti 3940     \if #1e\let\do@ptilf\@pti
\r@pti 3941     \else\if #1n\let\do@ptilf\n@pti
\df@pti 3942     \else\if #1c\let\do@ptilf\c@pti
\mtc@CkStr 3943     \else\if #1l\let\do@ptilf\l@pti
\plftitle 3944     \else\if #1r\let\do@ptilf\r@pti
\if@mtc@FE 3945     \else\if #1d\let\do@ptilf\df@ptilf
samepage 3946     \fi\fi\fi\fi\fi
3947     \mtc@CkStr{\plftitle}\if@mtc@FE \let\do@ptilf\@pti\relax\fi
```

`\raggedright` We adjust some formatting parameters and avoid a page break between the title and the parttoc, then we set the font:

```

\parskip
\plffont
3948     \raggedright
3949     \parskip=\z@%
3950     \reset@font\plffont%
```

`\plf@rule` The parttoc title is set in a tabular environment (to inhibit a page break between the title and the top rule), with a rule at its bottom if necessary. This rule is an `\hline`. It is the top rule of the partlof.

```

\ptifont
\do@ptilf 3951     \parindent=\z@%
\mtc@v 3952     \nopagebreak[4]%
\plftitle 3953     \kern-0.8\baselineskip\nopagebreak[4]%
\hline 3954     \par\noindent
3955     \ifx\plf@rule\relax
3956     \begin{tabular}{@{}p{\columnwidth}@{}}
3957     \reset@font\ptifont\do@ptilf{\mtc@v\plftitle}\
```



```

3958     \end{tabular}%
3959     \else
3960     \begin{tabular}{@{}p{\columnwidth}@{}}
3961     \reset@font\ptifont\do@ptilf{\mtc@v\plftitle}\\ \hline
3962     \mtc@hstrut\\
3963     \end{tabular}%
3964     \fi

```

`\mtc@zrule` Then, we adjust the position under the top rule and set the indentation and some formatting parameters:

`\mtc@BBR`

`\ptcindent`

```

3965     \nopagebreak[4]\null\leavevmode\mtc@zrule\\*[-\baselineskip]\mtc@BBR
3966     \leftmargin\ptcindent \rightmargin\ptcindent
3967     \itemindent=\z@\labelwidth=\z@%
3968     \labelsep=\z@\listparindent=\z@%

```

`ptc@verse` We enter in a `ptc@verse` environment to format the partlof. If necessary, the toc depth is forced (locally) to `partlofdepth`. A little trick is necessary to adjust the position. A blank line is necessary to avoid a negative indentation.

`\plf@offset`

`\mtc@BBR`

```

3969     \begin{ptc@verse}{\plf@offset}%
3970     \@ifundefined{c@lofdepth}{}%
3971     {\c@lofdepth=\c@partlofdepth
3972     \ifnum\c@lofdepth<1\relax\c@lofdepth=1\fi}
3973     \leavevmode\\ \mtc@BBR\vskip -.5\baselineskip

```

`\plf@pgno` If the contents lines must have no numbers, we replace the macro `\@dottedtocline` with its undotted version. A hook is added, and the formatting settings coming from `\mtcsetformat` are activated via `\plf@setform`. Then the partlof file is inserted, followed by a strut, and `\mtc@hook@beforeinputfile` the `ptc@verse` environment is terminated. The “open” and “close” features are called just before and after the insertion of the mini-table file.

`\ifinpartlof`

`\openpartlof`

`\closepartlof`

`\@tocfile`

`\mtc@strut`

`ptc@verse`

```

3974 \begin{group}
3975 \makeatletter
3976 \@ifundefined{plf@pgno}%
3977 {\let\@dottedtocline\@undottedtocline}{}
3978 \@filesfalse\mtc@hook@beforeinputfile
3979 \plf@setform
3980 \openpartlof\global\inpartloftrue
3981 \@input{\jobname.\@tocfile}%
3982 \global\inpartloffalse\closepartlof
3983 \vspace{-1ex} \vspace{-1\baselineskip}
3984 \leavevmode\mtc@strut
3985 \global\@nbreakfalse\endgroup
3986 \end{ptc@verse}%

```

```

\plf@rule The final part is just to add the bottom rule, if necessary, a possible page break (if \chapter
\mtc@zrule is not defined), and \afterpartlof. The blank line (\) is essential.
samepage
\afterpartlof 3987 \kernafterpartlof
3988 \nopagebreak[4]\plf@rule\null\leavevmode\%
3989 \vskip-1.0\baselineskip\mtc@zrule\end{samepage}%
3990 \par\@ifundefined{chapter}{\pagebreak[1]\vspace*{-1ex}}%
3991 \afterpartlof\fi}

```

### 9.49.3 The \partlot command

\partlot This command must be used after \part if you need a partlot (no automatic partlot). First, \partlot@ \partlot detects the presence of its optional argument, and uses its default value, d, if it is missing. Then, \partlot@ is called with the effective position as argument:

```
3992 \def\partlot{\@ifnextchar[{\partlot@}{\partlot@d]}
```

```

\partlot@ The \partlot@ macro does the real work. It first sets the flag \if@partlot@used@ (for a
\if@partlot@used@ consistency hint) and checks if long extensions are used or not (to create the name of the partlot
\if@mtc@longext@ file):
\@tocfile
\Thepart 3993 %
3994 \def\partlot@[#1]{%
3995 \global\@partlot@used@true
3996 \if@mtc@longext@%
3997 \def\@tocfile{plt\Thepart}%
3998 \else
3999 \def\@tocfile{U\Thepart}%
4000 \fi

```

\mtc@CkFile Then, we check the presence of the partlot file and give a warning if it is not here:

```

\if@mtc@FE
\@tocfile 4001 \mtc@CkFile{\jobname.\@tocfile}
4002 \if@mtc@FE
4003 \mtc@PackageInfo[I0006]{minitoc}%
4004 {\jobname.\@tocfile\space is empty}
4005 \@mtc@empty@partlof@true
4006 \else

```

I0006

\beforepartlot If the partlot file is present, we can insert it, but we must add some presentation code: first, \beforepartlot, of course:

```
4007 \beforepartlot
```

```

\mtc@markboth If \chapter is defined, we just set the page marks with the partlot title and set the page style:
  \mkboth
\thispagepartlotstyle 4008      \ifundefined{chapter}{}{}%
\MakeUppercase 4009          \global\let\mtc@markboth\markboth
  \plttitle 4010             \global\let\mkboth\markboth
  4011                       \thispagepartlotstyle
  4012                       \mtc@markboth{\MakeUppercase{\plttitle}}{\MakeUppercase{\plttitle}}%
  4013                       }%

```

```

\do@ptilt A samepage environment is begun, then the argument is treated to set the position of the
  \e@pti partlof title. If the title string is empty, this forces the positioning.
  \n@pti
  \c@pti 4014                \relax\begin{samepage}%
  \l@pti 4015                \if #1e\let\do@ptilt\e@pti
  \r@pti 4016                \else\if #1n\let\do@ptilt\n@pti
  \df@pti 4017               \else\if #1c\let\do@ptilt\c@pti
\mtc@CkStr 4018               \else\if #1l\let\do@ptilt\l@pti
  \plttitle 4019              \else\if #1r\let\do@ptilt\r@pti
  \if@mtc@FE 4020             \else\if #1d\let\do@ptilt\df@ptilt
  samepage 4021               \fi\fi\fi\fi\fi\fi
  4022                       \mtc@CkStr{\plttitle}\if@mtc@FE \let\do@ptilt\e@pti\relax\fi

```

```

\raggedright We adjust some formatting parameters and avoid a page break between the title and the partlot,
  \parskip then we set the font:
  \pltfont
  4023                \raggedright
  4024                \parskip=\z@%
  4025                \reset@font\pltfont%
  4026                \parindent=\z@%
  4027                \nopagebreak[4]%
  4028                \kern-0.8\baselineskip\nopagebreak[4]%
  4029                \par\noindent

```

```

\plt@rule The partlot title is set in a tabular environment (to inhibit a page break between the title and
  tabular the top rule), with a rule at its bottom if necessary. This rule is an \hline. It is the top rule of
\columnwidth the partlot.
  \ptifont
  \do@ptilt 4030             \ifx\plt@rule\relax
  \mtc@v 4031                \begin{tabular}{@{}p{\columnwidth}@{}}
  \plttitle 4032             \reset@font\ptifont\do@ptilt{\mtc@v\plttitle}\\
  \hline 4033                \end{tabular}%
  4034                \else
  4035                \begin{tabular}{@{}p{\columnwidth}@{}}
  4036                \reset@font\ptifont\do@ptilt{\mtc@v\plttitle}\\ \hline
  4037                \mtc@hstrut\\
  4038                \end{tabular}%
  4039                \fi

```

`\mtc@zrule` Then, we adjust the position under the top rule and set the indentation and some formatting parameters:  
`\mtc@BBR`  
`\ptcindent`

```
4040 \nopagebreak[4]\null\leavevmode\mtc@zrule\[-\baselineskip]\mtc@BBR
4041 \leftmargin\ptcindent \rightmargin\ptcindent
4042 \itemindent=\z@\labelwidth=\z@%
4043 \labelsep=\z@\listparindent=\z@%
```

`ptc@verse` We enter in a `ptc@verse` environment to format the parttoc. If necessary, the toc depth is forced (locally) to `partlotdepth`. A little trick is necessary to adjust the position.  
`\pltoffset`  
`\mtc@BBR`

```
4044 \begin{ptc@verse}{\pltoffset}%
4045 \ifundefined{c@lotdepth}{}%
4046 {\c@lotdepth=\c@partlotdepth
4047 \ifnum\c@lotdepth<1\relax\c@lotdepth=1\fi}
4048 \leavevmode\mtc@BBR\vskip -.5\baselineskip
```

`\plt@pgno` If the contents lines must have no numbers, we replace the macro `\@dottedtocline` with its undotted version. A hook is added, and the formatting settings coming from `\mtcsetformat`  
`\@dottedtocline` are activated via `\plt@setform`. Then the partlot file is inserted, followed by a strut, and  
`\@undottedtocline` the `ptc@verse` environment is terminated. The “open” and “close” features are called just  
`\mtc@hook@beforeinputfile` before and after the insertion of the mini-table file.  
`\plt@setform`  
`\ifinpartlot`

```
\openpartlot 4049 \begingroup
\closepartlot 4050 \makeatletter
\@tocfile 4051 \ifundefined{plt@pgno}%
\mtc@strut 4052 {\let\@dottedtocline\@undottedtocline}{}
ptc@verse 4053 \@fileswfalse\mtc@hook@beforeinputfile
4054 \plt@setform
4055 \openpartlot\global\inpartlottrue
4056 \@input{\jobname.\@tocfile}%
4057 \global\inpartlotfalse\closepartlot
4058 \vspace{-1ex} \vspace{-1\baselineskip}
4059 \leavevmode\mtc@strut
4060 \global\@nbreakfalse\endgroup
4061 \end{ptc@verse}%
```

`\ptc@rule` The final part is just to add the bottom rule, if necessary, a possible page break (if `\chapter`  
`\mtc@zrule` is not defined), and `\afterpartlot`. The blank line (`\`) is essential.  
`samepage`

```
\afterpartlot 4062 \kernafterpartlot
4063 \nopagebreak[4]\plt@rule\null\leavevmode\%
4064 \vskip-1.0\baselineskip\mtc@zrule\end{samepage}%
4065 \par\ifundefined{chapter}{\pagebreak[1]\vspace*{-1ex}}%
4066 \afterpartlot\fi}
```

## 9.50 Auxiliary commands for printing parttocs

`\@dottedtocline` The following auxiliary commands are used in the printing of parttocs. Note that `\l@xpart` uses a huge depth to inhibit the printing of its contents line (except if you cheat). These commands are similar to `\l@subsection`, only the arguments have been altered:

```

\l@xpart
\l@pchapter
\l@psect
\pchapter 4067 \def\l@xpart{\@dottedtocline{\@M}{1.0em}{2.3em}}
\psect 4068 \def\l@pchapter{\@dottedtocline{1}{1.0em}{2.3em}}
4069 \def\l@psect{\@dottedtocline{2}{1.0em}{2.3em}}
4070 \def\pchapter{pchapter}
4071 \def\psect{psect}

```

## 9.51 Patching the `\part` command, continued

`\sv@part` We patch both branches of the `\part` command: `\@part` (unstarred `\part`) and `\@spart` (`\part*`). We add the incrementation of the `ptc` counter to both branches. In the unstarred branch, we add `xpart` entries in the TOC, the LOF and the LOT. In the starred branch, we add a `\partbegin` line in the TOC. This command is just a marker and does nothing real (`\relax`).

```

\sv@spart
\mtc@svpart
\@part
\addtocontents
\sv@spart
\ptc@spart
\@spart 4072 \let\sv@part\mtc@svpart
\stepcounter 4073 \def\@part[#1]#2{\sv@part[#{1}]{#2}\relax
\partbegin 4074 \addcontentsline{lof}{xpart}{#1}%
\partend 4075 \addcontentsline{lot}{xpart}{#1}%
4076 \addcontentsline{toc}{xpart}{#1}%
4077 \stepcounter{ptc}}
4078 \let\sv@spart\@spart
4079 \def\@spart{\stepcounter{ptc}\sv@spart}
4080 \let\ptc@spart\@spart
4081 \def\@spart{\addtocontents{toc}{\protect\partend}\ptc@spart}
4082 \def\@spart{\addtocontents{toc}{\protect\partbegin}\ptc@spart}
4083 \let\partend\relax
4084 \let\partbegin\relax

```

## 9.52 The `\doparttoc` command and its siblings

`\doparttoc` The `\doparttoc` command works like the `\dominitoc` command, `\dopartlof` like `\dominiloof` and `\dopartlot` like `\dominilot`.

```

\dopartlof
\dopartlot

```

`\@doparttoc` The `\doparttoc` command extracts information from the `.toc` file and creates the `.ptc`( $N$ ) files (`.ptc` becomes `.P` on MS-DOS).  
`\PTC@next`  
`\setcounter`

```
4085 \def\@doparttoc#1{%
4086   \makeatletter
4087   \setcounter{ptc}{0}%
4088   \PTC@next#1.toc\relax\}\setcounter{ptc}{0}}%
```

`\@dopartlof` The `\dopartlof` command extracts information from the `.lof` file and creates the `.plf`( $N$ ) files (`.plf` becomes `.G` on MS-DOS).  
`\PLF@next`  
`\setcounter`

```
4089 \def\@dopartlof#1{%
4090   \makeatletter
4091   \setcounter{ptc}{0}%
4092   \PLF@next#1.lof\relax\}\setcounter{ptc}{0}}%
```

`\@dopartlot` The `\dopartlot` command extracts information from the `.lot` file and creates the `.plt`( $N$ ) files (`.plt` becomes `.U` on MS-DOS).  
`\PLT@next`  
`\setcounter`

```
4093 \def\@dopartlot#1{%
4094   \makeatletter
4095   \setcounter{ptc}{0}%
4096   \PLT@next#1.lot\relax\}\setcounter{ptc}{0}}%
```

`\doparttoc` We define the user macros, who detect the optional argument:

```
\dopartlof
\dopartlot
\@ifnnextchar 4097 \def\doparttoc{\@ifnnextchar[{\doparttoc@}{\doparttoc@[1]}}
\@ifnnextchar 4098 \def\dopartlof{\@ifnnextchar[{\dopartlof@}{\dopartlof@[1]}}
4099 \def\dopartlot{\@ifnnextchar[{\dopartlot@}{\dopartlot@[1]}}
```

`\doparttoc@` We treat the optional argument of `\doparttoc` (it becomes the default position for titles of parttocs) and flag this macro as used; a hint detects any spurious invocation.

I0045

```
\if@mtc@hints@
\if@doparttoc@used@
\@mtc@hints@given@true 4100 \def\doparttoc@[#1]{%
  \df@ptitc 4101 \if@mtc@hints@
    \e@pti 4102   \if@doparttoc@used@
    \n@pti 4103   \mtcPackageInfo[I0045]{minitoc(hints)}%
    \c@pti 4104     {The \string\doparttoc \space command
    \l@pti 4105     \MessageBreak
    \r@pti 4106     has been invoked more than once
    4107     \MessageBreak}
    4108   \global\@mtc@hints@given@true
    4109   \fi
    4110 \fi
    4111 \global\@doparttoc@used@true
    4112 \if #1e\let\df@ptitc\e@pti%
```

```

4113 \else\if #1n\let\df@ptitc\n@pti%
4114 \else\if #1c\let\df@ptitc@c@pti%
4115 \else\if #1l\let\df@ptitc\l@pti%
4116 \else\if #1r\let\df@ptitc\r@pti%
4117 \fi\fi\fi\fi\fi%
4118 \@@doparttoc}

```

`\dopartlof@` We treat the optional argument of `\dopartlof` (it becomes the default position for titles of partlofs) and flag this macro as used, a hint detects any spurious invocation.

I0045

```

\if@dopartlof@used@
\if@mtc@hints@
\@mtc@hints@given@true 4119 \def\dopartlof@[#1]{%
\df@ptilf 4120 \if@mtc@hints@
\@pti 4121 \if@dopartlof@used@
\n@pti 4122 \mtcPackageInfo[I0045]{minitoc(hints)}%
\c@pti 4123 {The \string\dopartlof \space command
\l@pti 4124 \MessageBreak
\r@pti 4125 has been invoked more than once
4126 \MessageBreak}
4127 \global\@mtc@hints@given@true
4128 \fi
4129 \fi
4130 \global\@dopartlof@used@true
4131 \if #1e\let\df@ptilf\@pti%
4132 \else\if #1n\let\df@ptilf\n@pti%
4133 \else\if #1c\let\df@ptilf@c@pti%
4134 \else\if #1l\let\df@ptilf\l@pti%
4135 \else\if #1r\let\df@ptilf\r@pti%
4136 \fi\fi\fi\fi\fi%
4137 \@@dopartlof}

```

`\dopartlot@` We treat the optional argument of `\dopartlot` (it becomes the default position for titles of partlofs) and flag this macro as used; a hint detects any spurious invocation.

I0045

```

\if@mtc@hints@
\@mtc@hints@given@true
\if@dopartlot@used@ 4138 \def\dopartlot@[#1]{%
\df@ptilt 4139 \if@mtc@hints@
\@pti 4140 \if@dopartlot@used@
\n@pti 4141 \mtcPackageInfo[I0045]{minitoc(hints)}%
\c@pti 4142 {The \string\dopartlot \space command
\l@pti 4143 \MessageBreak
\r@pti 4144 has been invoked more than once
4145 \MessageBreak}
4146 \global\@mtc@hints@given@true
4147 \fi
4148 \fi
4149 \global\@dopartlot@used@true
4150 \if #1e\let\df@ptilt\@pti%
4151 \else\if #1n\let\df@ptilt\n@pti%
4152 \else\if #1c\let\df@ptilt@c@pti%
4153 \else\if #1l\let\df@ptilt\l@pti%
4154 \else\if #1r\let\df@ptilt\r@pti%

```

```
4155 \fi\fi\fi\fi\fi%
4156 \@@dopartlot}
```

\@@doparttoc These macros invoke the @dopart... commands to create the mini-table file, then close the  
 \@@dopartlof file descriptor.

```
\@@dopartlot
  \tf@mtc 4157 \def\@@doparttoc{\@doparttoc{\jobname}\immediate\closeout\tf@mtc}
          4158 \def\@@dopartlof{\@dopartlof{\jobname}\immediate\closeout\tf@mtc}
          4159 \def\@@dopartlot{\@dopartlot{\jobname}\immediate\closeout\tf@mtc}
```

### 9.52.1 Processing macros for the parttocs

\PTC@next Processing the next entry in the list and remove it from the head of the list:

```
\PTC@list
\PTC@loop 4160 \def\PTC@next#1\relax#2\{\%
          4161 \edef\PTC@list{#2}%
          4162 \PTC@loop{#1}}
```

\PTC@toc Check if the list is empty:

```
\PTC@list
\PTC@explist 4163 \def\PTC@toc{%
          4164 \ifx\PTC@list@empty\else\expandafter\PTC@explist\fi}
```

\PTC@contentsline The macro \PTC@contentsline analyses the lines read from the TOC file and detects interesting keywords. If \part is found, the ptc counter is incremented and a new partlof file is created.

I0033

```
\tf@mtc
\ptcname 4165 \def\PTC@contentsline#1#2#3#4{%
\MTC@WriteContentsLine 4166 \expandafter\ifx\csname #1\endcsname\part
          4167 \stepcounter{ptc}%
          4168 \if@mtc@longext@%
          4169 \mtcPackageInfo[I0033]{minitoc}%
          4170 {Writing\space\jobname.ptc\theptc@gobble}%
          4171 \def\ptcname{\jobname.ptc\theptc}%
          4172 \else
          4173 \mtcPackageInfo[I0033]{minitoc}%
          4174 {Writing\space\jobname.P\theptc@gobble}%
          4175 \def\ptcname{\jobname.P\theptc}%
          4176 \fi
          4177 \immediate\closeout\tf@mtc
          4178 \immediate\openout\tf@mtc=\ptcname
          4179 \fi
          4180 \expandafter\ifx\csname #1\endcsname\starpart\relax
          4181 \stepcounter{ptc}%
```



`\if@mtc@longext@` We test if long or short extensions are used, to build the name of the mini-table file, then open  
`\ptcname` it:

I0033

```

4182 \if@mtc@longext@%
4183 \mtcPackageInfo[I0033]{minitoc}%
4184 {Writing\space\jobname.ptc\theptc}%
4185 \def\ptcname{\jobname.ptc\theptc}%
4186 \else
4187 \mtcPackageInfo[I0033]{minitoc}%
4188 {Writing\space\jobname.P\theptc}%
4189 \def\ptcname{\jobname.P\theptc}%
4190 \fi
4191 \immediate\closeout\tf@mtc
4192 \immediate\openout\tf@mtc=\ptcname
4193 \fi

```

`\mtc@toks` The token register `\mtc@toks` is used to pass the entry to `\MTC@WriteContentsline`:

```

4194 \mtc@toks{\noexpand\leavevmode #2}%

```

`\MTC@WriteContentsline` Now, we filter the relevant contents lines; this code extracts and writes info for chapters,  
`\chapter` sections, etc.:

```

\pchapter
\section 4195 \expandafter\ifx\csname #1\endcsname\chapter
\coffee 4196 \MTC@WriteContentsline{#1}{ptcC}{#3}{#4}%
\subsection 4197 \fi
\subsubsection 4198 \expandafter\ifx\csname #1\endcsname\appendix
\paragraph 4199 \MTC@WriteContentsline{#1}{ptcC}{#3}{#4}%
\subparagraph 4200 \fi
4201 \expandafter\ifx\csname #1\endcsname\pchapter
4202 \MTC@WriteContentsline{#1}{ptcC}{#3}{#4}%
4203 \fi
4204 \expandafter\ifx\csname #1\endcsname\section
4205 \MTC@WriteContentsline{#1}{ptcS}{#3}{#4}%
4206 \fi
4207 \expandafter\ifx\csname #1\endcsname\coffee
4208 \MTC@WriteCoffeeline{#1}{#3}%
4209 \fi
4210 \expandafter\ifx\csname #1\endcsname\subsection
4211 \MTC@WriteContentsline{#1}{ptcSS}{#3}{#4}%
4212 \fi
4213 \expandafter\ifx\csname #1\endcsname\subsubsection
4214 \MTC@WriteContentsline{#1}{ptcSSS}{#3}{#4}%
4215 \fi
4216 \expandafter\ifx\csname #1\endcsname\paragraph
4217 \MTC@WriteContentsline{#1}{ptcP}{#3}{#4}%
4218 \fi
4219 \expandafter\ifx\csname #1\endcsname\subparagraph
4220 \MTC@WriteContentsline{#1}{ptcSP}{#3}{#4}%
4221 \fi

```

`\MTC@WriteContentsline` And for the starred sectioning commands:

```

\starchapter
\starsection 4222 \expandafter\ifx\csname #1\endcsname\starchapter
\starsubsection 4223 \MTC@WriteContentsline{#1}{ptcC}{#3}{#4}%
\starsubsubsection 4224 \fi
\starparagraph 4225 \expandafter\ifx\csname #1\endcsname\starsection
\starsubparagraph 4226 \MTC@WriteContentsline{#1}{ptcS}{#3}{#4}%
4227 \fi
4228 \expandafter\ifx\csname #1\endcsname\starsubsection
4229 \MTC@WriteContentsline{#1}{ptcSS}{#3}{#4}%
4230 \fi
4231 \expandafter\ifx\csname #1\endcsname\starsubsubsection
4232 \MTC@WriteContentsline{#1}{ptcSSS}{#3}{#4}%
4233 \fi
4234 \expandafter\ifx\csname #1\endcsname\starparagraph
4235 \MTC@WriteContentsline{#1}{ptcP}{#3}{#4}%
4236 \fi
4237 \expandafter\ifx\csname #1\endcsname\starsubparagraph
4238 \MTC@WriteContentsline{#1}{ptcSP}{#3}{#4}%
4239 \fi
4240 }

```

`\PTC@explist` The loop to read the lines of the TOC file; expands the list of entries and call `\PTC@next` to process the first one:

```

\PTC@next
\PTC@list
4241 \def\PTC@explist{\expandafter\PTC@next\PTC@list\}

```

`\PTC@loop` If an entry is found, loop through line by line, looking for interesting entries. Otherwise, process the next entry in the list.

```

\PTC@read
4242 \def\PTC@loop#1{\openin\@inputcheck#1\relax
4243 \ifeof\@inputcheck
4244 \mtcPackageWarning[W0013]{minitoc}%
4245 {No file #1
4246 \MessageBreak
4247 PARTTOCS NOT PREPARED}%
4248 \expandafter\PTC@toc
4249 \else
4250 \mtcPackageInfo[I0025]{minitoc}%
4251 {PREPARING PARTTOCS FROM #1}%
4252 \expandafter\PTC@read\fi}

```

W0013  
I0025

`\PTC@read` Read the next entry of the `.toc` file.

```

\PTC@line
4253 \def\PTC@read{%
4254 \read\@inputcheck to\PTC@line

```

`\PTC@test` The . . . . . make sure that `\PTC@test` has enough arguments:  
`\PTC@line`

```
4255 \expandafter\PTC@test\PTC@line. . . . \PTC@%
4256 }%
```

`\PTC@test` The `\PTC@test` macro finds the “interesting” commands in the TOC file, mainly to delimit parts:

`\PTC@contentsline` Look at the first token of the line. If it is an interesting entry, process it. If it is `\@input`, add the file to the list. Otherwise ignore. Go around the loop if not at end of file. Finally process the next file in the list.

`\PTC@toc`

```
\PTC@read 4257 \long\def\PTC@test#1#2#3#4#5#6\PTC@{%
\partend 4258 \ifx#1\contentsline
4259 \let\mtc@string\string
4260 \PTC@contentsline{#2}{#3}{#4}{#5}%
4261 \let\mtc@string\relax
4262 \else\ifx#1\@input
4263 \edef\PTC@list{\PTC@list#2\relax}%
4264 \else\ifx#1\partend
4265 \immediate\closeout\tf@mtc
4266 \immediate\openout\tf@mtc=\jobname.mtc
4267 \else\ifx#1\partbegin
4268 \addtocounter{ptc}{-1}%
4269 \fi\fi\fi\fi
4270 \ifeof\@inputcheck\expandafter\PTC@toc
4271 \else\expandafter\PTC@read\fi}%
```

### 9.52.2 Processing macros for the partlofs

`\PLF@next` Processing the next entry in the list and remove it from the head of the list:

`\PLF@list`

```
\PLF@loop 4272 \def\PLF@next#1\relax#2\{\%
4273 \edef\PLF@list{#2}%
4274 \PLF@loop{#1}}
```

`\PLF@lof` Check if the list is empty:

`\PLF@list`

```
\PLF@explist 4275 \def\PLF@lof{%
4276 \ifx\PLF@list\@empty\else\expandafter\PLF@explist\fi}
```

```

\PLF@contentsline The macro \PLF@contentsline analyses the lines read from the LOF file and detects interesting keywords. If \part is found, the ptc counter is incremented and a new partlof file is created.
  \part
  \theptc
  \tf@mtc
  \plfname 4277 \def\PLF@contentsline#1#2#3#4{%
\PLF@WriteContentsLine 4278 \expandafter\ifx\csname #1\endcsname\xpart
  4279 \stepcounter{ptc}%

```

```

\if@mtc@longext@ We test if long or short extensions are used, to build the name of the mini-table file, then open it:
  \plfname

```

I0033

```

4280 \if@mtc@longext@
4281 \mtcPackageInfo[I0033]{minitoc}%
4282 {Writing\space\jobname.plf\theptc}%
4283 \def\plfname{\jobname.plf\theptc}%
4284 \else
4285 \mtcPackageInfo[I0033]{minitoc}%
4286 {Writing\space\jobname.G\theptc}%
4287 \def\plfname{\jobname.G\theptc}%
4288 \fi
4289 \immediate\closeout\tf@mtc
4290 \immediate\openout\tf@mtc=\plfname
4291 \fi

```

```

\figure The token register \mtc@toks is used to pass the entry to \MTC@WriteContentsline. Now,
\subfigure we filter the relevant contents lines:
\mtc@toks
\MTC@WriteContentsline 4292 \expandafter\ifx\csname #1\endcsname\figure
  4293 \mtc@toks{\noexpand\leavevmode#2}%
  4294 \MTC@WriteContentsline{#1}{plf}{#3}{#4}%
  4295 \fi
  4296 \expandafter\ifx\csname #1\endcsname\subfigure
  4297 \mtc@toks{\noexpand\leavevmode#2}%
  4298 \MTC@WriteContentsline{#1}{plfs}{#3}{#4}%
  4299 \fi
  4300 }

```

```

\PLF@explist The loop to read the lines of the LOF file; expands the list of entries and call \PLF@next to
  \PLF@next process the first one:
  \PLF@list
  4301 \def\PLF@explist{\expandafter\PLF@next\PLF@list\}

```

```

\PLF@loop If an entry is found, loop through line by line, looking for interesting entries. Otherwise,
  \PLF@lof process the next entry in the list.
  \PLF@read

```

W0011

I0035

```

4302 \def\PLF@loop#1{\openin\@inputcheck#1\relax
4303   \ifeof\@inputcheck
4304     \mtcPackageWarning[W0011]{minitoc}%
4305     {No file #1
4306       \MessageBreak
4307       PARTLOFS NOT PREPARED}%
4308     \expandafter\PLF@lof
4309   \else
4310     \mtcPackageInfo[I0035]{minitoc}%
4311     {PREPARING PARTLOFS FROM #1}%
4312     \expandafter\PLF@read\fi}

```

\PLF@read Read the next entry of the .lof file.

\PLF@line

```

4313 \def\PLF@read{%
4314   \read\@inputcheck to\PLF@line

```

\PLF@test The . . . . make sure that \PLF@test has enough arguments:

\PLF@line

```

4315   \expandafter\PLF@test\PLF@line. . . . \PLF@%
4316   }%

```

\PLF@test The \PLF@test macro finds the “interesting” commands in the LOF file, mainly to delimit parts:

\PLF@contentsline Look at the first token of the line. If it is an interesting entry, process it. If it is \@input, add the file to the list. Otherwise ignore. Go around the loop if not at end of file. Finally process the next file in the list.

\PLF@lof

```

\PLF@read 4317 \long\def\PLF@test#1#2#3#4#5#6\PLF@{%
\partend 4318   \ifx#1\contentsline
4319     \let\mtc@string\string
4320     \PLF@contentsline{#2}{#3}{#4}{#5}%
4321     \let\mtc@string\relax
4322   \else\ifx#1\@input
4323     \edef\PLF@list{\PLF@list#2\relax}%
4324   \else\ifx#1\partend
4325     \immediate\closeout\tf@mtc
4326     \immediate\openout\tf@mtc=\jobname.mtc
4327   \else\ifx#1\partbegin
4328     \addtocounter{ptc}{-1}%
4329   \fi\fi\fi\fi
4330   \ifeof\@inputcheck\expandafter\PLF@lof
4331   \else\expandafter\PLF@read\fi}%

```

## 9.52.3 Processing macros for the partlots

```

\PLT@next Processing the next entry in the list and remove it from the head of the list:
\PLT@list
\PLT@loop 4332 \def\PLT@next#1\relax#2\{\%
          4333 \edef\PLT@list{#2}%
          4334 \PLT@loop{#1}}

```

```

\PLT@lot Check if the list is empty:
\PLT@list
\PLT@explist 4335 \def\PLT@lot{%
             4336 \ifx\PLT@list\@empty\else\expandafter\PLT@explist\fi}

```

```

\PLT@contentsline The macro \PLT@contentsline analyses the lines read from the LOT file and detects inter-
\part esting keywords. If \part is found, the ptc counter is incremented and a new partlot file is
\theptc created.
\tf@mtc
\pltname 4337 \def\PLT@contentsline#1#2#3#4{%
\PLT@WriteContentsLine 4338 \expandafter\ifx\csname #1\endcsname\xpart
                     4339 \stepcounter{ptc}%

```

```

\if@mtc@longext@ We test if long or short extensions are used, to build the name of the mini-table file, then open
\pltname it:

```

I0033

```

4340 \if@mtc@longext@
4341 \mtcPackageInfo[I0033]{minitoc}%
4342 {Writing\space\jobname.plt\theptc}%
4343 \def\pltname{\jobname.plt\theptc}%
4344 \else
4345 \mtcPackageInfo[I0033]{minitoc}%
4346 {Writing\space\jobname.U\theptc}%
4347 \def\pltname{\jobname.U\theptc}%
4348 \fi
4349 \immediate\closeout\tf@mtc
4350 \immediate\openout\tf@mtc=\pltname
4351 \fi

```

```

\table The token register \mtc@toks is used to pass the entry to \MTC@WriteContentsline. Now,
\subtable we filter the relevant contents lines:
\mtc@toks
\MTC@WriteContentsline 4352 \expandafter\ifx\csname #1\endcsname\table
                     4353 \mtc@toks{\noexpand\leavevmode#2}%
                     4354 \MTC@WriteContentsline{#1}{plt}{#3}{#4}%
                     4355 \fi
                     4356 \expandafter\ifx\csname #1\endcsname\subtable

```

```

4357 \mtc@toks{\noexpand\leavevmode#2}%
4358 \MTC@WriteContentsline{#1}{pltS}{#3}{#4}%
4359 \fi
4360 }

```

`\PLT@explist` The loop to read the lines of the LOT file; expands the list of entries and call `\PLT@next` to process the first one:  
`\PLT@next`  
`\PLT@list`

```
4361 \def\PLT@explist{\expandafter\PLT@next\PLT@list\}
```

`\PLT@loop` If an entry is found, loop through line by line, looking for interesting entries. Otherwise, process the next entry in the list.

W0012
I0038

`\PLT@read`

```

4362 \def\PLT@loop#1{\openin\@inputcheck#1\relax
4363 \ifeof\@inputcheck
4364 \mtcPackageWarning[W0012]{minitoc}%
4365 {No file #1
4366 \MessageBreak
4367 PARTLOTS NOT PREPARED}%
4368 \expandafter\PLT@lot
4369 \else
4370 \mtcPackageInfo[I0038]{minitoc}%
4371 {PREPARING PARTLOTS FROM #1}%
4372 \expandafter\PLT@read\fi}

```

`\PLT@read` Read the next entry of the .lot file.

`\PLT@line`

```

4373 \def\PLT@read{%
4374 \read\@inputcheck to\PLT@line

```

`\PLT@test` The . . . . . make sure that `\PLT@test` has enough arguments:

`\PLT@line`

```

4375 \expandafter\PLT@test\PLT@line. . . . .\PLT@%
4376 }%

```

`\PLT@test` The `\PLT@test` macro finds the “interesting” commands in the LOT file, mainly to delimit parts:

`\PLT@contentsline` Look at the first token of the line. If it is an interesting entry, process it. If it is `\@input`, add the file to the list. Otherwise ignore. Go around the loop if not at end of file. Finally process the next file in the list.  
`\mtc@string`  
`\PLT@list`  
`\PLT@lot`  
`\PLT@read`  
`\partend`

```

4377 \long\def\PLT@test#1#2#3#4#5#6\PLT@{%
4378   \ifx#1\contentsline
4379     \let\mtc@string\string
4380     \PLT@contentsline{#2}{#3}{#4}{#5}%
4381     \let\mtc@string\relax
4382   \else\ifx#1\@input
4383     \edef\PLT@list{\PLT@list#2\relax}%
4384   \else\ifx#1\partend
4385     \immediate\closeout\tf@mtc
4386     \immediate\openout\tf@mtc=\jobname.mtc
4387   \else\ifx#1\partbegin
4388     \addtocounter{ptc}{-1}%
4389     \fi\fi\fi\fi
4390   \ifeof\@inputcheck\expandafter\PLT@lot
4391   \else\expandafter\PLT@read\fi}%

```

End of the part level stuff (begun in section 9.45 on page 328):

```
4392 }%
```

### 9.53 Depth counters for sectlofs and sectlots

`\AtBeginDocument` If the counters `lofdepth` and `lotdepth` are defined, we create new counters for the depths of the corresponding mini-tables: `sectlofdepth` and `sectlotdepth`. These counters are initialized to 2. This is done after the loading of the packages, in an `\AtBeginDocument` block:

```

\newcounter
\setcounter
4393 \AtBeginDocument{%
4394   \@ifundefined{c@lofdepth}{}%
4395   {\newcounter{sectlofdepth}\setcounter{sectlofdepth}{2}}%
4396   \@ifundefined{c@lotdepth}{}%
4397   {\newcounter{sectlotdepth}\setcounter{sectlotdepth}{2}}%
4398 }%

```

### 9.54 Section-level commands

`\if@mtc@chapter@undef@` The section-level commands are defined only if `\chapter` is *not* defined, hence in article-like document classes, and only if `\section` is defined:

```
4399 \if@mtc@chapter@undef@ \if@mtc@section@def@
```



```

\firstsectionis We define the obsolete command \firstsectionis (with its harmless warning), the counter
\adjuststc stc of secttocs, the \adjuststc, \decrementstc and \incrementstc commands, the
\decrementstc depth counter secttocdepth and its default value 2 (to include at least the subsections),
\incrementstc the horizontal rule \stc@rule (rule before/after secttoc/sectlof/sectlot), the indentation (both
\stc@rule sides) \stcindent for the secttocs (with its default values).
\stcindent
\columnwidth 4400 \def\firstsectionis#1{\mctPackageWarning[W0005]{minitoc}%
4401 {\string\firstsectionis \space is an obsolete (ignored)
4402 \MessageBreak
4403 command}%
4404 \@firstsectionis@used@true}
4405 \newcounter{stc}\setcounter{stc}{0}%
4406 \newcommand{\adjuststc}[1][1]{\addtocounter{stc}{#1}}%
4407 \def\decrementstc{\addtocounter{stc}{-1}}%
4408 \def\incrementstc{\addtocounter{stc}{+1}}%
4409 \newcounter{secttocdepth}\setcounter{secttocdepth}{2}%
4410 \def\stc@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}%
4411 \newlength\stcindent \stcindent=24\p@

```

W0005

## 9.55 Fonts commands for secttocs and co.

```

\stcfont We define the fonts commands for the secttocs, sectlofs and sectlots and their titles:
\stcSSfont
\stcSSfont 4412 \def\stcfont{\small\rmfamily\upshape\mdseries} % secttoc
\stcPfont 4413 \def\stcSSfont{\small\rmfamily\upshape\bfseries} % (subsections)
\stcSPfont 4414 \let\stcSSfont\stcfont % (subsubsections)
\slffont 4415 \let\stcPfont\stcfont % (paragraphs)
\slfSfont 4416 \let\stcSPfont\stcfont % (subparagraphs)
\sltfont 4417 \let\slffont\stcfont % sectlof (figures)
\sltSfont 4418 \let\slfSfont\stcfont % sectlof (subfigures)
\stifont 4419 \let\sltfont\stcfont % sectlot (tables)
\stifont 4420 \let\sltSfont\stcfont % sectlot (subtables)
4421 \def\stifont{\large\rmfamily\upshape\bfseries} % titles

```

## 9.56 Internal macros for title positioning

```

\l@sti Some internal macros for title positioning, from the optional arguments of \dosecttoc and
\c@sti \secttoc commands (and siblings). Centering, flushleft, flushright or empty titles (with a
\r@sti vertical correction for empty titles, from Frank MITTELBACH):
\e@sti
\n@sti 4422 \def\c@sti#1{\null\hfill #1\hfill\null}
4423 \def\l@sti#1{\null #1\hfill\null}
4424 \def\r@sti#1{\null\hfill #1\null}
4425 \def\e@sti#1{\vspace{-\baselineskip}}
4426 \def\n@sti#1{\vspace{-\baselineskip}}

```

```

\do@stitlec By default, titles are flushleft.
\df@stitlec
\do@stilf 4427 \let\do@stitlec\l@sti
\df@stilf 4428 \let\df@stitlec\l@sti
\do@stilt 4429 \let\do@stilf\l@sti
\df@stilt 4430 \let\df@stilf\l@sti
\l@sti 4431 \let\do@stilt\l@sti
4432 \let\df@stilt\l@sti

```

## 9.57 The stc@verse environment

`stc@verse` The `stc@verse` environment is a very simple list environment, analog to the standard `verse` environment. Some formatting parameters are adjusted. The `tight/loose` and `k-tight/k-loose` package options are honored. The `stc@verse` environment has an argument which is an horizontal offset (a command like `\stcoffset`).

```

4433 \def\stc@verse#1{\let\=\@centercr
4434 \list{}}%
4435 \itemsep=\z@ \itemindent=\z@ \topsep=1ex
4436 \listparindent=\itemindent \partopsep=\z@
4437 \iftightmtc \parsep=\z@ \fi
4438 \ifktightmtc \parskip=\z@ \fi
4439 \leftmargin=\stcindent \rightmargin=\leftmargin
4440 \addtolength{\leftmargin}{+#1}%
4441 \addtolength{\rightmargin}{-#1}%
4442 }%
4443 \item[]}%
4444 \def\endstc@verse{\nopagebreak[4]\endlist}

```

## 9.58 The \secttoc, \sectlof, and \sectlot commands

These three commands are very similar.

### 9.58.1 The \secttoc command

`\secttoc` The `\secttoc` command must be used after `\section` if you need a `secttoc` (no automatic `secttoc`). Its code is similar to the code of `\minitoc` (but simpler). First, `\secttoc` detects the presence of its optional argument, and uses its default value, `d`, if it is missing. Then, `\secttoc@` is called with the effective position as argument:

```

4445 \def\secttoc{\@ifnextchar[{\secttoc@}{\secttoc@[d]}}

```

```

\secttoc@ The \secttoc@ macro does the real work. It first sets the flag \if@secttoc@used@ (for
\if@secttoc@used@ a consistency hint) and checks if long extensions are used or not (to create the name of the
\if@mtc@longext@ secttoc file):
  \@tocfile
    \thestic 4446 \def\secttoc@[#1]{%
              4447 \global\@secttoc@used@true
              4448 \if@mtc@longext@%
              4449   \def\@tocfile{stc\thestic}%
              4450 \else
              4451   \def\@tocfile{S\thestic}%
              4452 \fi

```

```

\mtc@CkFile Then, we check the presence and the emptiness of the secttoc file and give a warning if it is
\if@mtc@FE not here or is empty:
  \@tocfile
    4453   \mtc@CkFile{\jobname.\@tocfile}
    4454   \if@mtc@FE
    4455   \mtcPackageInfo[I0006]{minitoc}%
    4456     {\jobname.\@tocfile\space is empty}
    4457   \@mtc@empty@secttoc@true
    4458   \else

```

I0006

```

\beforesecttoc If the secttoc file is present and not empty, we can insert it, but we must add some presentation
\thispagesecttocstyle code: first, \beforesecttoc, of course, and the page style feature:

```

```

4459   \beforesecttoc
4460   \thispagesecttocstyle

```

```

\do@stitle We begin a samepage environment, then treat the positioning argument. If the title is empty,
\e@sti we simulate the “e” positioning.
\n@sti
\c@sti 4461 %%   \mtc@markboth{\MakeUppercase{\stctitle}}{\MakeUppercase{\stctitle}}%
\l@sti 4462   \relax\begin{samepage}%
\r@sti 4463   \if #1e\let\do@stitle\do@sti
\df@sti 4464   \else\if #1n\let\do@stitle\n@sti
\mtc@CkStr 4465   \else\if #1c\let\do@stitle\c@sti
\stctitle 4466   \else\if #1l\let\do@stitle\l@sti
\if@mtc@FE 4467   \else\if #1r\let\do@stitle\r@sti
samepage 4468   \else\if #1d\let\do@stitle\df@stitle
4469   \fi\fi\fi\fi\fi
4470   \mtc@CkStr{\stctitle}\if@mtc@FE \let\do@stitle\do@sti\relax\fi

```

```

\raggedright We adjust some formatting parameters and avoid a page break between the title and the secttoc,
\parskip then we set the font:
\stcfont

```

```

4471     \raggedright
4472     \parskip=\z@%
4473     \reset@font\stcfont%
4474     \parindent=\z@%
4475     \nopagebreak[4]%

```

`\stc@rule` The secttoc title is set in a tabular environment (to inhibit a page break between the title and the top rule), with a rule at its bottom if necessary. This rule is an `\hline`. It is the top rule of the secttoc.

```

\stifont
\do@stic 4476     \kern-0.8\baselineskip\nopagebreak[4]%
\mtc@v 4477     \par\noindent
\stctitle 4478     \nopagebreak[4]%
\hline 4479     \ifx\stc@rule\relax
4480     \begin{tabular}{@{}p{\columnwidth}@{}}
4481     \reset@font\stifont\do@stic{\mtc@v\stctitle}\\
4482     \end{tabular}%
4483     \else
4484     \begin{tabular}{@{}p{\columnwidth}@{}}
4485     \reset@font\stifont\do@stic{\mtc@v\stctitle}\\
4486     \end{tabular}%
4487     \fi

```

`\mtc@zrule` Then, we adjust the position under the top rule and set the indentation and some formatting parameters:

```

\mtc@BBR
\stcindent
4488     \nopagebreak[4]\null\leavevmode\mtc@zrule\\
4489     \leftmargin\stcindent \rightmargin\stcindent
4490     \itemindent=\z@\labelwidth=\z@%
4491     \labelsep=\z@\listparindent=\z@%

```

`stc@verse` We enter in a `stc@verse` environment to format the secttoc. The toc depth is forced (locally) to `secttocdepth`. A little trick is necessary to adjust the position.

```

\c@tocdepth
\c@secttocdepth 4492     \begin{stc@verse}{\stc@offset}\c@tocdepth=\c@secttocdepth%
\mtc@BBR 4493     \leavevmode\\
\mtc@BBR\vskip -.5\baselineskip

```

`\stc@pgno` If the contents lines must have no numbers, we replace the macro `\@dottedtocline` with its undotted version. A hook is added, and the formatting settings coming from `\mtcsetformat` are activated via `\stc@setform`. Then the secttoc file is inserted, followed by a strut, and the `stc@verse` environment is terminated. The “open” and “close” features are called just before and after the insertion of the mini-table file.

```

\stc@pgno
\@dottedtocline
\@undottedtocline
\mtc@hook@beforeinputfile
\stc@setform
\ifinsecttoc
\opensecttoc 4494 \begingroup
\closesecttoc 4495 \makeatletter
\@tocfile 4496 \stc@setform%
\mtc@strut
stc@verse

```

```

4497 \@ifundefined{stc@pgno}%
4498 {\let\@dottedtocline\@undottedtocline}{}
4499 \@fileswfalse\mtc@hook@beforeinputfile
4500 \stc@setform%
4501 \opensecttoc\global\insecttoctrue
4502 \@input{\jobname.\@tocfile}%
4503 \global\insecttocfalse\closesecttoc
4504 \vspace{-1ex} \vspace{-\baselineskip}
4505 \leavevmode\mtc@strut
4506 \global\@nobreakfalse\endgroup
4507 \end{stc@verse}%

```

`\stc@rule` The final part is just to add the bottom rule, if necessary, a possible page break and  
`\mtc@zrule` `\aftersecttoc`.

```

\stc@rule samepage
\aftersecttoc 4508 \kernaftersecttoc
4509 \nopagebreak[4]\stc@rule\null\leavevmode\\%
4510 \vskip-1.0\baselineskip\mtc@zrule\end{samepage}%
4511 \par\pagebreak[1]\vspace*{-1ex}\aftersecttoc\fi}%

```

### 9.58.2 The `\sectlof` command

`\sectlof` The `\sectlof` command must be used after `\section` if you need a sectlof (no automatic  
`\sectlof@` sectlof). Its code is similar to the code of `\minilof` (but simpler). First, `\sectlof` detects  
`\@ifnextchar` the presence of its optional argument, and uses its default value, `d`, if it is missing. Then,  
`\sectlof@` is called with the effective position as argument:

```

4512 \def\sectlof{\@ifnextchar[{\sectlof@}{\sectlof@[d]}}

```

`\sectlof@` The `\sectlof@` macro does the real work. It first sets the flag `\if@sectlof@used@` (for  
`\if@sectlof@used@` a consistency hint) and checks if long extensions are used or not (to create the name of the  
`\if@mtc@longext@` sectlof file):

```

\@tocfile
\thestc 4513 \def\sectlof@[#1]{%
4514 \global\@sectlof@used@true
4515 \if@mtc@longext@%
4516 \def\@tocfile{slf\thestc}%
4517 \else
4518 \def\@tocfile{H\thestc}%
4519 \fi

```

`\mtc@CkFile` Then, we check the presence and the emptiness of the sectlof file and give a warning if it is not  
`\if@mtc@FE` here or is empty:  
`\@tocfile`

I0006

```

4520     \mtc@CkFile{\jobname.\@tocfile}
4521     \if@mtc@FE
4522     \mtcPackageInfo[I0006]{minitoc}%
4523         {\jobname.\@tocfile\space is empty}
4524     \@mtc@empty@sectlof@true
4525     \else

```

`\beforesectlof` If the sectlof file is present and not empty, we can insert it, but we must add some presentation  
`\thispagesectlofsty` code: first, `\beforesectlof`, of course, and the page style feature:

```

4526     \thispagesectlofsty
4527 %    \mtc@markboth{\MakeUppercase{\slftitle}}{\MakeUppercase{\slftitle}}%
4528     \beforesectlof

```

`\do@stilf` We begin a samepage environment, then treat the positioning argument. If the title is empty,  
`\e@sti` we simulate the “e” positioning.

```

\do@sti
\c@sti 4529     \relax\begin{samepage}%
\l@sti 4530     \if #1e\let\do@stilf\e@sti
\r@sti 4531     \else\if #1n\let\do@stilf\n@sti
\df@sti 4532     \else\if #1c\let\do@stilf\c@sti
\mtc@CkStr 4533     \else\if #1l\let\do@stilf\l@sti
\slftitle 4534     \else\if #1r\let\do@stilf\r@sti
\if@mtc@FE 4535     \else\if #1d\let\do@stilf\df@stilf
samepage 4536     \fi\fi\fi\fi\fi
4537     \mtc@CkStr{\slftitle}\if@mtc@FE \let\do@stilf\e@sti\relax\fi

```

`\raggedright` We adjust some formatting parameters and avoid a page break between the title and the sectlof,  
`\parskip` then we set the font:

```

\slffont
4538     \raggedright
4539     \parskip=\z@%
4540     \reset@font\slffont%
4541     \parindent=\z@%
4542     \nopagebreak[4]%

```

`\slf@rule` The sectlof title is set in a tabular environment (to inhibit a page break between the title and  
`tabular` the top rule), with a rule at its bottom if necessary. This rule is an `\hline`. It is the top rule of  
`\stifont` the sectlof.

```

\columnwidth
\do@stilf 4543     \kern-0.8\baselineskip\nopagebreak[4]%
\mtc@v 4544     \par\noindent
\slftitle
\hline

```

```

4545     \ifx\slf@rule\relax
4546     \begin{tabular}{@{}p{\columnwidth}@{}}
4547     \reset@font\stifont\do@stilf{\mtc@v\slftitle}\\
4548     \end{tabular}%
4549     \else
4550     \begin{tabular}{@{}p{\columnwidth}@{}}
4551     \mtc@hstrut
4552     \reset@font\stifont\do@stilf{\mtc@v\slftitle}\\\hline
4553     \end{tabular}%
4554     \fi

```

`\mtc@zrule` Then, we adjust the position under the top rule and set the indentation and some formatting parameters:  
`\mtc@BBR`  
`\stcindent`

```

4555     \nopagebreak[4]\null\leavevmode\mtc@zrule\\\mtc@BBR
4556     \leftmargin\stcindent \rightmargin\stcindent
4557     \itemindent=\z@\labelwidth=\z@%
4558     \labelsep=\z@\listparindent=\z@%

```

`stc@verse` We enter in a `stc@verse` environment to format the `sectlof`. The toc depth is forced (locally) to `sectlofdepth`. A little trick is necessary to adjust the position.

```

\c@tocdepth
\c@sectlofdepth 4559     \begin{stc@verse}{\slfoffset}%
\mtc@BBR 4560     \@ifundefined{c@lofdepth}{}%
4561         {\c@lofdepth=\c@sectlofdepth
4562         \ifnum\c@lofdepth<1\relax\c@lofdepth=1\fi}
4563     \leavevmode\\\mtc@BBR\vskip -.5\baselineskip

```

`\slf@pgno` If the contents lines must have no numbers, we replace the macro `\@dottedtocline` with its undotted version. A hook is added, and the formatting settings coming from `\mtcsetformat` are activated via `\slf@setform`. Then the `sectlof` file is inserted, followed by a strut, and the `stc@verse` environment is terminated. The “open” and “close” features are called just before and after the insertion of the mini-table file.

```

\ifinsectlof
\opensectlof 4564 \begingroup
\closesectlof 4565 \makeatletter
\@tocfile 4566 \@ifundefined{slf@pgno}%
\mtc@strut 4567 {\let\@dottedtocline\@undottedtocline}{}
stc@verse 4568 \@fileswfalse\mtc@hook@beforeinputfile
4569 \slf@setform%
4570 \opensectlof\global\insectloftrue
4571 \@input{\jobname.\@tocfile}%
4572 \global\insectloffalse\closesectlof
4573 \global\@nbreakfalse\endgroup
4574 \end{stc@verse}%

```

```

\stc@rule The final part is just to add the bottom rule, if necessary, a possible page break and
\mtc@zrule \aftersectlof. The blank line (\) is essential.
samepage
\aftersectlof 4575 \kernaftersectlof
4576 \nopagebreak[4]\slf@rule\null\leavevmode\%
4577 \vskip-1.0\baselineskip\mtc@zrule\end{samepage}%
4578 \par\pagebreak[1]\vspace*{-1ex}\aftersectlof\fi}%

```

### 9.58.3 The \sectlot command

`\sectlot` The `\sectlot` command must be used after `\section` if you need a sectlot (no automatic sectlot). Its code is similar to the code of `\minilot` (but simpler). First, `\sectlot` detects the presence of its optional argument, and uses its default value, `d`, if it is missing. Then, `\sectlot@` is called with the effective position as argument:

```
4579 \def\sectlot{\ifnextchar[\sectlot@]\sectlot@[d]}
```

```

\sectlot@ The \sectlot@ macro does the real work. It first sets the flag \if@sectlot@used@ (for a
\if@sectlot@used@ consistency hint) and checks if long extensions are used or not (to create the name of the sectlot
\if@mtc@longext@ file):
\@tocfile
\thestc 4580 \def\sectlot@[#1]{%
4581 \global\@sectlot@used@true
4582 \if@mtc@longext@%
4583 \def\@tocfile{slt\thestc}%
4584 \else
4585 \def\@tocfile{I\thestc}%
4586 \fi

```

```

\mtc@CkFile Then, we check the presence and the emptiness of the sectlot file and give a warning if it is not
\if@mtc@FE here or is empty:
\@tocfile
4587 \mtc@CkFile{\jobname.\@tocfile}
4588 \if@mtc@FE
4589 \mtc@PackageInfo[I0006]{minitoc}%
4590 {\jobname.\@tocfile\space is empty}
4591 \@mtc@empty@sectlot@true
4592 \else

```

I0006

`\beforesectlot` If the sectlot file is present and not empty, we can insert it, but we must add some presentation code: first, `\beforesectlot`, of course, and the page style feature:

```

4593 \thispagesectlotstyle
4594 % \mtc@markboth{\MakeUppercase{\slttitle}}{\MakeUppercase{\slttitle}}%
4595 \beforesectlot

```



```

\do@stilt We begin a samepage environment, then treat the positioning argument. If the title is empty,
  \e@sti we simulate the “e” positioning.
  \n@sti
  \c@sti 4596      \relax\begin{samepage}%
  \l@sti 4597      \if #1e\let\do@stilt\e@sti
  \r@sti 4598      \else\if #1n\let\do@stilt\n@sti
  \df@sti 4599      \else\if #1c\let\do@stilt\c@sti
\mtc@CkStr 4600      \else\if #1l\let\do@stilt\l@sti
\sltttitle 4601      \else\if #1r\let\do@stilt\r@sti
\if@mtc@FE 4602      \else\if #1d\let\do@stilt\df@stilt
  samepage 4603      \fi\fi\fi\fi\fi\fi
  4604      \mtc@CkStr{\sltttitle}\if@mtc@FE \let\do@stilt\e@sti\relax\fi

\raggedright We adjust some formatting parameters and avoid a page break between the title and the sectlot,
  \parskip then we set the font:
  \sltfont
  4605      \raggedright
  4606      \parskip=\z@%
  4607      \reset@font\sltfont%
  4608      \parindent=\z@%
  4609      \nopagebreak[4]%

\stc@rule The sectlot title is set in a tabular environment (to inhibit a page break between the title and
  tabular the top rule), with a rule at its bottom if necessary. This rule is an \hline. It is the top rule of
  \stifont the sectlot.
\columnwidth
\do@stilt 4610      \kern-0.8\baselineskip\nopagebreak[4]%
  \mtc@v 4611      \par\noindent
\sltttitle 4612      \ifx\slt@rule\relax
  \hline 4613      \begin{tabular}{@{}p{\columnwidth}@{}}
  4614      \reset@font\stifont\do@stilt{\mtc@v\sltttitle}\\
  4615      \end{tabular}%
  4616      \else
  4617      \begin{tabular}{@{}p{\columnwidth}@{}}
  4618      \mtc@hstrut
  4619      \reset@font\stifont\do@stilt{\mtc@v\sltttitle}\\ \hline
  4620      \end{tabular}%
  4621      \fi

\mtc@zrule Then, we adjust the position under the top rule and set the indentation and some formatting
  \mtc@BBR parameters:
\stcindent
  4622      \nopagebreak[4]\null\leavevmode\mtc@zrule\\ \mtc@BBR
  4623      \leftmargin\stcindent \rightmargin\stcindent
  4624      \itemindent=\z@\labelwidth=\z@%
  4625      \labelsep=\z@\listparindent=\z@%

```

```

stc@verse We enter in a stc@verse environment to format the sectlot. The toc depth is forced (locally)
\c@tocdepth to sectlotdepth. A little trick is necessary to adjust the position.
\c@sectlotdepth
\mtc@BBR 4626 \begin{stc@verse}{\sltoffset}%
4627 \@ifundefined{c@lotdepth}{}%
4628 {\c@lotdepth=\c@sectlotdepth
4629 \ifnum\c@lotdepth<1\relax\c@lotdepth=1\fi}
4630 \leavevmode\\mtc@BBR\vskip -.5\baselineskip

\slt@pgno If the contents lines must have no numbers, we replace the macro \@dottedtocline with its
\@dottedtocline undotted version. A hook is added, and the formatting settings coming from \mtcsetformat
\@undottedtocline are activated via \slt@setform. Then the sectlot file is inserted, followed by a strut, and
\mtc@hook@beforeinputfile the stc@verse environment is terminated. The “open” and “close” features are called just
\slt@setform before and after the insertion of the mini-table file.
\ifinsectlot
\opensectlot 4631 \begingroup
\closesectlot 4632 \makeatletter
\@tocfile 4633 \@ifundefined{slt@pgno}%
\mtc@strut 4634 {\let\@dottedtocline\@undottedtocline}{}
stc@verse 4635 \gdef\thestc{\arabic{stc}}
4636 \@fileswfalse\mtc@hook@beforeinputfile
4637 \slt@setform%
4638 \opensectlot\global\insectlottrue
4639 \@input{\jobname.\@tocfile}%
4640 \global\insectlotfalse\closesectlot
4641 \global\@nobreakfalse\endgroup
4642 \end{stc@verse}%

\stc@rule The final part is just to add the bottom rule, if necessary, a possible page break and
\mtc@zrule \aftersectlot.
samepage
\aftersectlot 4643 \kernaftersectlof
4644 \nopagebreak[4]\slt@rule\null\leavevmode\\%
4645 \vskip-1.0\baselineskip\mtc@zrule\end{samepage}%
4646 \par\pagebreak[1]\vspace*{-1ex}\aftersectlot\fi}%

```

## 9.59 Auxiliary internal commands, section level

```

\l@xsect We define auxiliary commands, used for the mini-tables and as delimiters in the TOC file (and
\@dottedtocline LOF and LOT files). The depth of xsect is huge to inhibit the printing of its contents line
\l@schapter (except if you cheat).
\l@schapter
\l@schapter 4647 \def\l@xsect{\@dottedtocline{\@M}{1.0em}{2.3em}}
4648 \def\l@xsection{\@dottedtocline{\@M}{1.0em}{2.3em}}
4649 \def\l@schapter{\@dottedtocline{1}{1.0em}{2.3em}}
4650 \def\xsect{xsect} \def\schapter{schapter}

```

9.60 Patching the `\section` command (continued)

`\@sect` We patch the both branches of the `\section` command: `\@sect` for the unstarred version and `\addcontentsline` `\@ssect` for the starred version. First, for the unstarred version (`\@sect`), we add a `xsect` contents line in the LOF and in the LOT. The test `\ifnum #2=1` restricts the action to the section level macros (because `\@sect` is also used by `\subsection` and below, which have no mini-tables).

```
4651 \let\sv@sect\@sect
4652 \gdef\@sect#1#2#3#4#5#6[#7]#8{%
4653 \ifnum #2=1\relax
4654   \addcontentsline{lof}{xsect}{#7}%
4655   \addcontentsline{lot}{xsect}{#7}%
4656 \fi
4657 \sv@sect{#1}{#2}{#3}{#4}{#5}{#6}[#7]{#8}}
```

`\section` If it is a section (unstarred or starred via `\starsection`), we add a `xsect` entry in the LOF  
`\starsection` and in the LOT.  
`\addcontentsline`

```
4658 \def\@sect#1#2#3#4#5#6[#7]#8{
4659 \expandafter
4660 \ifx\csname #1\endcsname\section\relax
4661   \addcontentsline{lof}{xsect}{#7}%
4662   \addcontentsline{lot}{xsect}{#7}%
4663 \fi
4664 \ifx\csname #1\endcsname\starsection\relax
4665   \addcontentsline{lof}{xsect}{#7}%
4666   \addcontentsline{lot}{xsect}{#7}%
4667 \fi
```

`\@svsec` And the remainder of the section header formatting:  
`\refstepcounter`  
`\@tempkipa` 4668 `\ifnum #2>\c@secnumdepth\relax`  
`\@hangfrom` 4669 `\let\@svsec\@empty`  
`\addcontentsline` 4670 `\else`  
`\numberline` 4671 `\refstepcounter{#1}%`  
`\@svsechd` 4672 `\edef\@svsec{\csname the#1\endcsname\hskip 1em}%`  
`\@xsect` 4673 `\fi`  
4674 `\@tempkipa #5\relax`  
4675 `\ifdim \@tempkipa>\z@`  
4676 `\begingroup #6\relax`  
4677 `\@hangfrom{\hskip #3\relax\@svsec}%`  
4678 `{\interlinepenalty \@M #8\par}%`  
4679 `\endgroup`  
4680 `\csname #1mark\endcsname{#7}\addcontentsline`  
4681 `{toc}{#1}{\ifnum #2>\c@secnumdepth\relax`  
4682 `\else`  
4683 `\protect\numberline{\csname the#1\endcsname}%`

```

4684         \fi
4685         #7}%
4686 \else
4687   \def\@svsechd{#6\hskip #3\relax
4688   \@svsec #8\csname #1mark\endcsname
4689   {#7}\addcontentsline
4690   {toc}{#1}{\ifnum #2>\c@secnumdepth\relax
4691           \else
4692             \protect\numberline{\csname the#1\endcsname}
4693           \fi
4694   #7}}%
4695 \fi
4696 \@xsect{#5}}

```

`\@sect` Then we patch the unstarred branch (`\@sect`). We define also the delimiting commands `\sectbegin` and `\sectend` commands. We do not add `\sectbegin` if it is a subsection or deeper.

```

\stc@sect
\addtocontents 4697 \let\stc@sect\@sect
4698 \def\@sect#1#2#3#4#5#6[#7]#8{%
4699   \ifnum #2<1 \relax
4700   \addtocontents{toc}{\protect\sectbegin}
4701   \fi
4702   \stc@sect{#1}{#2}{#3}{#4}{#5}{#6}[[#7]][#8]}
4703 \let\sectend\relax
4704 \let\sectbegin\relax

```

## 9.61 The `\dosecttoc` command and siblings

The `\dosecttoc` command is very similar to `\dominitoc`.

`\dosecttoc` The `\dosecttoc` command extracts information from the `.toc` file and creates the `.stc(N)` files (`.stc` becomes `.S` on MS-DOS).  
`\@dosecttoc`  
`\STC@next`

```

4705 \def\@dosecttoc#1{%
4706   \makeatletter
4707   \setcounter{stc}{0}
4708   \STC@next#1.toc\relax\}\setcounter{stc}{0}}

```

`\dosectlof` The `\dosectlof` command extracts information from the `.lof` file and creates the `.slf(N)` files (`.slf` becomes `.H` on MS-DOS).  
`\@dosectlof`  
`\SLF@next`

```

4709 \def\@dosectlof#1{%
4710   \makeatletter
4711   \setcounter{stc}{0}
4712   \SLF@next#1.lof\relax\}\setcounter{stc}{0}}

```

`\dosectlot` The `\dosectlot` command extracts information from the `.lot` file and creates the `.slt(N)` files (`.slt` becomes `.V` on MS-DOS).  
`\dosectlot`  
`\PLT@next`

```
4713 \def\dosectlot#1{%
4714   \makeatletter
4715   \setcounter{stc}{0}
4716   \SLT@next#1.lot\relax\}\setcounter{stc}{0}}
```

`\dosecttoc` We define the user-level macros, who detect the optional argument:  
`\dosectlof`  
`\dosectlot` 4717 `\def\dosecttoc{\@ifnextchar[{\dosecttoc@}{\dosecttoc@[1]}}`  
`\@ifnextchar` 4718 `\def\dosectlof{\@ifnextchar[{\dosectlof@}{\dosectlof@[1]}}`  
4719 `\def\dosectlot{\@ifnextchar[{\dosectlot@}{\dosectlot@[1]}}`

`\dosecttoc@` We treat the optional argument of `\dosecttoc` (it becomes the default position for titles of  
`\if@mtc@hints@` secttocs) and flag this macro as used; a hint detects any spurious invocation. I0045  
`\@mtc@hints@given@true`

```
\if@dosecttoc@used@ 4720 \def\dosecttoc@[#1]{%
\df@sttic 4721 \if@mtc@hints@
  \e@sti 4722   \if@dosecttoc@used@
  \n@sti 4723   \mtcPackageInfo[I0045]{minitoc(hints)}%
  \c@sti 4724   {The \string\dosecttoc \space command
  \l@sti 4725   \MessageBreak
  \r@sti 4726   has been invoked more than once
  4727   \MessageBreak}
  4728   \global\@mtc@hints@given@true
  4729   \fi
  4730 \fi
  4731 \global\@dosecttoc@used@true
  4732 \if #1e\let\df@sttic\e@sti%
  4733 \else\if #1n\let\df@sttic\n@sti%
  4734 \else\if #1c\let\df@sttic\c@sti%
  4735 \else\if #1l\let\df@sttic\l@sti%
  4736 \else\if #1r\let\df@sttic\r@sti%
  4737 \fi\fi\fi\fi\fi%
  4738 \@@dosecttoc}
```

`\dosectlof@` We treat the optional argument of `\dosectlof` (it becomes the default position for titles of  
`\if@mtc@hints@` sectlofs) and flag this macro as used; a hint detects any spurious invocation. I0045  
`\@mtc@hints@given@true`

```
\if@dosectlof@used@ 4739 \def\dosectlof@[#1]{%
\df@stilf 4740 \if@mtc@hints@
  \e@sti 4741   \if@dosectlof@used@
  \n@sti 4742   \mtcPackageInfo[I0045]{minitoc(hints)}%
  \c@sti 4743   {The \string\dosectlof \space command
  \l@sti 4744   \MessageBreak
  \r@sti 4745   has been invoked more than once
  4746   \MessageBreak}
```

```

4747 \global\@mtc@hints@given@true
4748 \fi
4749 \fi
4750 \global\@dosectlof@used@true
4751 \if #1e\let\df@stilf\e@sti%
4752 \else\if #1n\let\df@stilf\n@sti%
4753 \else\if #1c\let\df@stilf\c@sti%
4754 \else\if #1l\let\df@stilf\l@sti%
4755 \else\if #1r\let\df@stilf\r@sti%
4756 \fi\fi\fi\fi\fi%
4757 \@@dosectlof}

```

`\dosectlot@` We treat the optional argument of `\dosectlot` (it becomes the default position for titles of sectlofs) and flag this macro as used; a hint detects any spurious invocation.

I0045

```

\if@mtc@hints@
\@mtc@hints@given@true
\if@dosectlot@used@
\df@stilt
  \e@sti
  \n@sti
  \c@sti
  \l@sti
  \r@sti
4758 \def\dosectlot@[#1]{%
4759 \if@mtc@hints@
4760 \if@dosectlot@used@
4761 \mtcPackageInfo[I0045]{minitoc(hints)}%
4762 {The \string\dosectlot \space command
4763 \MessageBreak
4764 has been invoked more than once
4765 \MessageBreak}
4766 \global\@mtc@hints@given@true
4767 \fi
4768 \fi
4769 \global\@dosectlot@used@true
4770 \if #1e\let\df@stilt\e@sti%
4771 \else\if #1n\let\df@stilt\n@sti%
4772 \else\if #1c\let\df@stilt\c@sti%
4773 \else\if #1l\let\df@stilt\l@sti%
4774 \else\if #1r\let\df@stilt\r@sti%
4775 \fi\fi\fi\fi\fi%
4776 \@@dosectlot}

```

`\@@dosecttoc` These macros invoke the `\@dosect...` commands to create the mini-table file, then close the file descriptor.

```

\@@dosectlof
\@@dosectlot
  \tf@mtc
4777 \def\@@dosecttoc{\@dosecttoc{\jobname}\immediate\closeout\tf@mtc}
4778 \def\@@dosectlof{\@dosectlof{\jobname}\immediate\closeout\tf@mtc}
4779 \def\@@dosectlot{\@dosectlot{\jobname}\immediate\closeout\tf@mtc}

```

`\STC@next` Processing the next entry in the list and remove it from the head of the list:

```

\STC@list
\STC@loop
4780 \def\STC@next#1\relax#2\{\%
4781 \edef\STC@list{#2}%
4782 \STC@loop{#1}}

```

```

\STC@toc    Check if the list is empty:
\STC@list
\STC@explist 4783 \def\STC@toc{%
4784   \ifx\STC@list\@empty\else\expandafter\STC@explist\fi}

\STC@contentsline The macro \STC@contentsline analyses the lines read from the TOC file. If \section is
\section found, the stc counter is incremented and a new secttoc file is created.
\thestc
\tf@mtc 4785 \def\STC@contentsline#1#2#3#4{%
\stcname 4786   \gdef\thestc{\arabic{stc}}%
\MTC@WriteContentsLine 4787   \expandafter\ifx\csname #1\endcsname\section
4788     \stepcounter{stc}%

\if@mtc@longext@ We test if long or short extensions are used, to build the name of the mini-table file, then open
\stcname it:

4789   \if@mtc@longext@
4790     \mtcPackageInfo[I0033]{minitoc}%
4791     {Writing\space\jobname.stc\thestc}%
4792     \def\stcname{\jobname.stc\thestc}%
4793   \else
4794     \mtcPackageInfo[I0033]{minitoc}%
4795     {Writing\space\jobname.S\thestc}%
4796     \def\stcname{\jobname.S\thestc}%
4797   \fi
4798   \immediate\closeout\tf@mtc
4799   \immediate\openout\tf@mtc=\stcname
4800   \fi

\mtc@toks The token register \mtc@toks is used to pass the entry to \MTC@WriteContentsline or
\MTC@WriteCoffeeline \MTC@WriteCoffeeline. Now, we filter the relevant contents lines:
\MTC@WriteContentsline
\coffee 4801 \mtc@toks{\noexpand\leavevmode #2}%
\subsection 4802 \expandafter\ifx\csname #1\endcsname\coffee
\subsubsection 4803   \MTC@WriteCoffeeline{#1}{#3}%
\paragraph 4804   \fi
\subparagraph 4805 \expandafter\ifx\csname #1\endcsname\subsection
4806   \MTC@WriteContentsline{#1}{stcSS}{#3}{#4}%
4807   \fi
4808 \expandafter\ifx\csname #1\endcsname\subsubsection
4809   \MTC@WriteContentsline{#1}{stcSSS}{#3}{#4}%
4810   \fi
4811 \expandafter\ifx\csname #1\endcsname\paragraph
4812   \MTC@WriteContentsline{#1}{stcP}{#3}{#4}%
4813   \fi
4814 \expandafter\ifx\csname #1\endcsname\subparagraph
4815   \MTC@WriteContentsline{#1}{stcSP}{#3}{#4}%
4816   \fi

```

`\starsection` A starred section terminates the current section and creates a new secttoc file:

I0033

```

\stepcounter
  \thestic 4817 \ifx\csname #1\endcsname\starsection
  \arabic 4818 \stepcounter{stc}%
\if@mtc@longext@ 4819 \gdef\thestic{\arabic{stc}}
  \stcname 4820 \if@mtc@longext@%
  \closeout 4821 \mtcPackageInfo[I0033]{minitoc}%
  \openout 4822 {Writing\space\jobname.stc\thestic}%
  4823 \def\stcname{\jobname.stc\thestic}%
  4824 \else
  4825 \mtcPackageInfo[I0033]{minitoc}%
  4826 {Writing\space\jobname.S\thestic}%
  4827 \def\stcname{\jobname.S\thestic}%
  4828 \fi
  4829 \immediate\closeout\tf@mtc
  4830 \immediate\openout\tf@mtc=\stcname
  4831 \fi

```

`\MTC@WriteContentsline` We process the entries for starred sectioning commands:

```

\starsubsection
\starsubsubsection 4832 \expandafter\ifx\csname #1\endcsname\starsubsection
  \starparagraph 4833 \MTC@WriteContentsline{#1}{stcSS}{#3}{#4}%
\starsubparagraph 4834 \fi
  4835 \expandafter\ifx\csname #1\endcsname\starsubsubsection
  4836 \MTC@WriteContentsline{#1}{stcSSS}{#3}{#4}%
  4837 \fi
  4838 \expandafter\ifx\csname #1\endcsname\starparagraph
  4839 \MTC@WriteContentsline{#1}{stcP}{#3}{#4}%
  4840 \fi
  4841 \expandafter\ifx\csname #1\endcsname\starsubparagraph
  4842 \MTC@WriteContentsline{#1}{stcSP}{#3}{#4}%
  4843 \fi
  4844 }

```

`\STC@explist` The loop to read the lines of the TOC file; expands the list of entries and call `\STC@next` to process the first one.

```

\STC@next
\STC@list
4845 \def\STC@explist{\expandafter\STC@next\STC@list\}

```

`\STC@loop` If an entry is found, loop through line by line, looking for interesting entries. Otherwise, process the next entry in the list.

W0016

I0026

```

\STC@read
4846 \def\STC@loop#1{\openin@inputcheck#1\relax
4847 \ifeof@inputcheck
4848 \mtcPackageWarning[W0016]{minitoc}%
4849 {No file #1
4850 \MessageBreak
4851 SECTTOCS NOT PREPARED}%

```



```

4852 \expandafter\STC@toc
4853 \else
4854 \mtcPackageInfo[I0026]{minitoc}%
4855 {PREPARING SECTTOCS FROM #1}%
4856 \expandafter\STC@read\fi}

```

\STC@read Read the next entry of the .toc file.

```

\STC@line
4857 \def\STC@read{%
4858 \read\@inputcheck to\STC@line

```

\STC@test The . . . . . make sure that \STC@test has enough arguments:

```

\STC@line
4859 \expandafter\STC@test\STC@line. . . . \STC@%
4860 }%

```

\STC@test The \STC@test macro finds the “interesting” commands in the TOC file, mainly to delimit sections;

```

\mtc@string
\STC@list 4861 \long\def\STC@test#1#2#3#4#5#6\STC@{%
\STC@toc 4862 \ifx#1\contentsline
\STC@read 4863 \let\mtc@string\string
\sectend 4864 \STC@contentsline{#2}{#3}{#4}{#5}%
\sectbegin 4865 \let\mtc@string\relax
4866 \else\ifx#1\@input
4867 \edef\STC@list{\STC@list#2\relax}%
4868 \else\ifx#1\sectend
4869 \immediate\closeout\tf@mtc
4870 \immediate\openout\tf@mtc=\jobname.mtc
4871 \else\ifx#1\sectbegin
4872 \addtocounter{stc}{-1}%
4873 \fi\fi\fi\fi
4874 \ifeof\@inputcheck\expandafter\STC@toc
4875 \else\expandafter\STC@read\fi}%

```

\SLF@next Processing the next entry in the list and remove it from the head of the list:

```

\SLF@list
\SLF@loop 4876 \def\SLF@next#1\relax#2\{\%
4877 \edef\SLF@list{#2}%
4878 \SLF@loop{#1}}

```

```

\SLF@lof Check if the list is empty:
\SLF@list
\SLF@explist 4879 \def\SLF@lof{%
4880 \ifx\SLF@list\@empty\else\expandafter\SLF@explist\fi}

\SLF@contentsline The macro \SLF@contentsline analyses the lines read from the LOF file. If \section is
\section found, the stc counter is incremented and a new sectlof file is created.
\thestc
\tf@mtc 4881 \def\SLF@contentsline#1#2#3#4{%
\slfname 4882 \gdef\thestc{\arabic{stc}}%
\MTC@WriteContentsLine 4883 \expandafter\ifx\csname #1\endcsname\xsect
4884 \stepcounter{stc}%

\if@mtc@longext@ We test if long or short extensions are used, to build the name of the mini-table file, then open
\slfname it:

4885 \if@mtc@longext@%
4886 \mtcPackageInfo[I0033]{minitoc}%
4887 {Writing\space\jobname.slf\thestc}%
4888 \def\slfname{\jobname.slf\thestc}%
4889 \else
4890 \mtcPackageInfo[I0033]{minitoc}%
4891 {Writing\space\jobname.H\thestc}%
4892 \def\slfname{\jobname.H\thestc}%
4893 \fi
4894 \immediate\closeout\tf@mtc
4895 \immediate\openout\tf@mtc=\slfname
4896 \fi

\mtc@toks The token register \mtc@toks is used to pass the entry to \MTC@WriteContentsline. Now,
\MTC@WriteContentsline we filter the relevant contents lines:
\figure
\subfigure 4897 \mtc@toks{\noexpand\leavevmode #2}%
4898 \expandafter\ifx\csname #1\endcsname\figure
4899 \MTC@WriteContentsline{#1}{slf}{#3}{#4}%
4900 \fi
4901 \expandafter\ifx\csname #1\endcsname\subfigure
4902 \MTC@WriteContentsline{#1}{slfS}{#3}{#4}%
4903 \fi
4904 }

\SLF@explist The loop to read the lines of the LOF file; expands the list of entries and call \SLF@next to
\SLF@next process the first one.
\SLF@list
4905 \def\SLF@explist{\expandafter\SLF@next\SLF@list\}

```

\SLF@loop If an entry is found, loop through line by line, looking for interesting entries. Otherwise,  
 \SLF@lof process the next entry in the list.  
 \SLF@read

W0014  
 I0036

```
4906 \def\SLF@loop#1{\openin\@inputcheck#1\relax
4907 \ifeof\@inputcheck
4908 \mtcPackageWarning[W0014]{minitoc}%
4909 {No file #1
4910 \MessageBreak
4911 SECTLOFS NOT PREPARED}%
4912 \expandafter\SLF@lof
4913 \else
4914 \mtcPackageInfo[I0036]{minitoc}%
4915 {PREPARING SECTLOFS FROM #1}%
4916 \expandafter\SLF@read\fi}
```

Read the next entry of the .lof file.

```
\SLF@read The . . . . . make sure that \SLF@test has enough arguments:
\SLF@test
\SLF@line 4917 \def\SLF@read{%
4918 \read\@inputcheck to\SLF@line
4919 \expandafter\SLF@test\SLF@line. . . . \SLF@%
4920 }%
```

\SLF@test The \SLF@test macro finds the “interesting” commands in the LOF file, mainly to delimit  
 \SLF@contentsline sections;

```
\mtc@string
\SLF@list 4921 \long\def\SLF@test#1#2#3#4#5#6\SLF@{%
\SLF@lof 4922 \ifx#1\contentsline
\SLF@read 4923 \let\mtc@string\string
\sectend 4924 \SLF@contentsline{#2}{#3}{#4}{#5}%
\sectbegin 4925 \let\mtc@string\relax
4926 \else\ifx#1\@input
4927 \edef\SLF@list{\SLF@list#2\relax}%
4928 \else\ifx#1\sectend
4929 \immediate\closeout\tf@mtc
4930 \immediate\openout\tf@mtc=\jobname.mtc
4931 \else\ifx#1\sectbegin
4932 \addtocounter{stc}{-1}%
4933 \fi\fi\fi\fi
4934 \ifeof\@inputcheck\expandafter\SLF@lof
4935 \else\expandafter\SLF@read\fi}%
```

\SLT@next Processing the next entry in the list and remove it from the head of the list:

```
\SLT@list
\SLT@loop 4936 \def\SLT@next#1\relax#2\{\%
4937 \edef\SLT@list{#2}%
4938 \SLT@loop{#1}}
```

```

\SLT@lot    Check if the list is empty:
\SLT@list
\SLT@explist 4939 \def\SLT@lot{%
              4940  \ifx\SLT@list\@empty\else\expandafter\SLT@explist\fi}

\SLT@contentsline The macro \SLT@contentsline analyses the lines read from the LOT file. If \section is
\section         found, the stc counter is incremented and a new sectlot file is created.
\thestc
\tf@mtc 4941 \def\SLT@contentsline#1#2#3#4{%
\sltname 4942  \gdef\thestc{\arabic{stc}}%
\MTC@WriteContentsLine 4943  \expandafter\ifx\csname #1\endcsname\xsect
              4944  \stepcounter{stc}%

\if@mtc@longext@ We test if long or short extensions are used, to build the name of the mini-table file, then open
\sltname         it:

              4945  \if@mtc@longext@
              4946    \mtcPackageInfo[I0033]{minitoc}%
              4947    {Writing\space\jobname.slt\thestc}%
              4948    \def\sltname{\jobname.slt\thestc}%
              4949  \else
              4950    \mtcPackageInfo[I0033]{minitoc}%
              4951    {Writing\space\jobname.V\thestc}%
              4952    \def\sltname{\jobname.V\thestc}%
              4953  \fi
              4954  \immediate\closeout\tf@mtc
              4955  \immediate\openout\tf@mtc=\sltname
              4956  \fi

\mtc@toks The token register \mtc@toks is used to pass the entry to \MTC@WriteContentsline. Now,
\MTC@WriteContentsline we filter the relevant contents lines:
\table
\subtable 4957  \mtc@toks{\noexpand\leavevmode #2}%
              4958  \expandafter\ifx\csname #1\endcsname\table
              4959    \MTC@WriteContentsline{#1}{slt}{#3}{#4}%
              4960  \fi
              4961  \expandafter\ifx\csname #1\endcsname\subtable
              4962    \MTC@WriteContentsline{#1}{sltS}{#3}{#4}%
              4963  \fi
              4964 }

\SLT@explist The loop to read the lines of the LOT file; expands the list of entries and call \SLT@next to
\SLT@next     process the first one.
\SLT@list
              4965 \def\SLT@explist{\expandafter\SLT@next\SLT@list\}

```

\SLT@loop If an entry is found, loop through line by line, looking for interesting entries. Otherwise,  
 \SLT@lot process the next entry in the list.  
 \SLT@read

W0015  
 I0039

```
4966 \def\SLT@loop#1{\openin\@inputcheck#1\relax
4967 \ifeof\@inputcheck
4968 \mtcPackageWarning[W0015]{minitoc}%
4969 {No file #1
4970 \MessageBreak
4971 SECTLOTS NOT PREPARED}%
4972 \expandafter\SLT@lot
4973 \else
4974 \mtcPackageInfo[I0039]{minitoc}%
4975 {PREPARING SECTLOTS FROM #1}%
4976 \expandafter\SLT@read\fi}
```

Read the next entry of the .lot file.

\SLT@read The . . . . . make sure that \SLT@test has enough arguments:

```
\SLT@test
\SLT@line 4977 \def\SLT@read{%
4978 \read\@inputcheck to\SLT@line
4979 \expandafter\SLT@test\SLT@line. . . . \SLT@%
4980 }%
```

\SLT@test The \SLT@test macro finds the “interesting” commands in the LOT file, mainly to delimit  
 \SLT@contentsline sections;

```
\mtc@string
\SLT@list 4981 \long\def\SLT@test#1#2#3#4#5#6\SLT@{%
\SLT@lot 4982 \ifx#1\contentsline
\SLT@read 4983 \let\mtc@string\string
\sectend 4984 \SLT@contentsline{#2}{#3}{#4}{#5}%
\sectbegin 4985 \let\mtc@string\relax
4986 \else\ifx#1\@input
4987 \edef\SLT@list{\SLT@list#2\relax}%
4988 \else\ifx#1\sectend
4989 \immediate\closeout\tf@mtc
4990 \immediate\openout\tf@mtc=\jobname.mtc
4991 \else\ifx#1\sectbegin
4992 \addtocounter{stc}{-1}%
4993 \fi\fi\fi\fi
4994 \ifeof\@inputcheck\expandafter\SLT@lot
4995 \else\expandafter\SLT@read\fi}%
```

## 9.62 End of section-level commands

We terminate the *else* branch of the test `\@ifundefined{section}`, the *true* branch of the test `\@ifundefined{chapter}` and add an empty *else* branch to that test:

```
4996 \fi% end of \if@mtc@section@def@
4997 \fi% end of \if@mtc@chapter@undef@
```

## 9.63 The `\mtcprepare` command

```
\mtcprepare This command tests the availability of the \do... minitoc preparation commands and of the
\@ifnextchar contents files, then calls as much as possible of these preparation commands. A hint is given.
\mtcprepare@
\@ifundefined 4998 \def\mtcprepare{\@ifnextchar[{\mtcprepare@}{\mtcprepare@[1]}}%
\IfFileExists 4999 \def\mtcprepare@[#1]{%
  \jobname 5000 \@ifundefined{part}{}{}%
  \doparttoc 5001 \IfFileExists{\jobname.toc}{\doparttoc[#1]}{}%
  \dopartlof 5002 \IfFileExists{\jobname.lof}{\dopartlof[#1]}{}%
  \dopartlot 5003 \IfFileExists{\jobname.lot}{\dopartlot[#1]}{}%
  \dominitoc 5004 }%
  \dominilof 5005 \@ifundefined{chapter}{}%
  \dominilot 5006 \@ifundefined{section}{}{}%
  \dosecttoc 5007 {}%
  \dosectlof 5008 \IfFileExists{\jobname.toc}{\dosecttoc[#1]}{}%
  \dosectlot 5009 \IfFileExists{\jobname.lof}{\dosectlof[#1]}{}%
  \dosectlot 5010 \IfFileExists{\jobname.lot}{\dosectlot[#1]}{}%
\mtcPackageInfo 5011 }%
5012 }{}%
5013 \IfFileExists{\jobname.toc}{\dominitoc[#1]}{}%
5014 \IfFileExists{\jobname.lof}{\dominilof[#1]}{}%
5015 \IfFileExists{\jobname.lot}{\dominilot[#1]}{}%
5016 }%
5017 \if@mtc@hints@
5018 \@mtc@hints@given@true
5019 \mtcPackageInfo[I0048]{minitoc(hints)}%
5020 {Using \string\mtcprepare\space may induce some
5021 \MessageBreak
5022 hints about the preparation commands,
5023 \MessageBreak
5024 because it invokes ALL the preparation
5025 \MessageBreak
5026 commands allowed by the document class,
5027 \MessageBreak
5028 without any previous check\@gobble}%
5029 \fi
5030 }
```

I0048

## 9.64 Use with `\nofiles`

`\nofiles` In case the document uses the `\nofiles` command (in its preamble), the auxiliary files for the mini-tables should not be overwritten by the preparation commands, so these ones must be just faked; as these commands may have an optional argument, they will be faked using the internal  $\LaTeX$  macro `\@ifnextchar` (to get the optional argument) and the new utility command `\gobbleopt@`. Problem signaled by Andreas DEININGER.

```
5031 \def\gobbleopt@[#1]{\relax}
```

`\AtBeginDocument` A test is placed in a `\AtBeginDocument` and gives a warning if `\nofiles` is used:

```
\if@filesw
\mtcPackageWarningNoLine 5032 \AtBeginDocument{\if@filesw\relax\else
5033   \mtcPackageWarningNoLine[W0098]{minitoc}%
5034   {--- You have used the \string\nofiles\space command
5035   \MessageBreak
5036   in your preamble; all preparation commands
5037   \MessageBreak
5038   in the body of the document will be ignored}
```

Since `\nofiles` has been used, we must disable all the preparation commands:

`\@ifnextchar` Commands for part level mini-tables:

```
\doparttoc
\dopartlof 5039 \def\doparttoc{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
\dopartlot 5040 \def\dopartlof{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
5041 \def\dopartlot{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
```

`\@ifnextchar` Commands for chapter level mini-tables:

```
\dominitoc
\dominilof 5042 \def\dominitoc{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
\dominilot 5043 \def\dominilof{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
5044 \def\dominilot{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
```

`\@ifnextchar` Commands for section level mini-tables:

```
\dosecttoc
\dosectlof 5045 \def\dosecttoc{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
\dosectlot 5046 \def\dosectlof{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
5047 \def\dosectlot{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
```

```

\@ifnextchar Command \mtcprepare:
\mtcprepare
5048 \def\mtcprepare{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}

```

End of the inhibition of the preparation commands and of the `\AtBeginDocument` block:

```
5049 \fi}
```

## 9.65 Necessary `\l@...` commands

```

\l@listof Some \l@... commands (analog to \l@section or \l@paragraph) are required to format
\l@startpart some entries in the mini-tables, for starred sectioning commands essentially:
\l@starchapter
\l@starsection 5050 \@ifundefined{section}{}{\let\l@listof\l@section}
\l@starsubsection 5051 \@ifundefined{chapter}{}{\let\l@listof\l@chapter}
\l@starsubsubsection 5052 \@ifundefined{part}{}{\let\l@startpart\l@part}
\l@starparagraph 5053 \@ifundefined{chapter}{}{\let\l@starchapter\l@chapter}
\l@starsubparagraph 5054 \@ifundefined{section}{}{\let\l@starsection\l@section}
5055 \@ifundefined{subsection}{}{\let\l@starsubsection\l@subsection}
5056 \@ifundefined{subsubsection}{}{\let\l@starsubsubsection\l@subsubsection}
5057 \@ifundefined{paragraph}{}{\let\l@starparagraph\l@paragraph}
5058 \@ifundefined{subparagraph}{}{\let\l@starsubparagraph\l@subparagraph}

```

## 9.66 The horizontal rules and their default values

```

\columnwidth We define here the various commands to activate ou inhibit the horizontal rules in the various
\noptcrule kinds of mini-tables. Each such command is an indirect definition of the corresponding hor-
\nomtcrule izontal rule. The rules are .4 pt high horizontal rules. We begin with rules for mini-tables of
\nostcrule contents.
\ptcrule
\ptc@rule 5059 \def\noptcrule{\let\ptc@rule\relax}
\mtc@rule 5060 \def\nomtcrule{\let\mtc@rule\relax}
\mtc@rule 5061 \def\nostcrule{\let\stc@rule\relax}
\stc@rule 5062 \def\ptc@rule{\def\ptc@rule{\kern-3\p@ \hrule width \columnwidth \kern2.6\p@}}
\stc@rule 5063 \def\mtc@rule{\def\mtc@rule{\kern-3\p@ \hrule width \columnwidth \kern2.6\p@}}
5064 \def\stc@rule{\def\stc@rule{\kern-3\p@ \hrule width \columnwidth \kern2.6\p@}}
5065 \def\ptc@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}
5066 \def\mtc@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}
5067 \def\stc@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}

```



```

\columnwidth Then, the rules for mini-lists of figures:
  \noplfrule
  \nomlfrule 5068 \def\noplfrule{\let\plf@rule\relax}
  \noslfrule 5069 \def\nomlfrule{\let\mlf@rule\relax}
    \plfrule 5070 \def\noslfrule{\let\slf@rule\relax}
  \plf@rule 5071 \def\plfrule{\def\plf@rule{\kern-3\p@ \hrule width \columnwidth \kern2.6\p@}}
  \mlf@rule 5072 \def\mlfrule{\def\mlf@rule{\kern-3\p@ \hrule width \columnwidth \kern2.6\p@}}
  \slf@rule 5073 \def\slfrule{\def\slf@rule{\kern-3\p@ \hrule width \columnwidth \kern2.6\p@}}
  \plf@rule 5074 \def\plf@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}
  \mlf@rule 5075 \def\mlf@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}
  \slf@rule 5076 \def\slf@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}

\columnwidth Then, the rules for mini-lists of tables:
  \nopltrule
  \nomltrule 5077 \def\nopltrule{\let\plt@rule\relax}
  \nosltrule 5078 \def\nomltrule{\let\mlt@rule\relax}
    \pltrule 5079 \def\nosltrule{\let\slt@rule\relax}
  \plt@rule 5080 \def\pltrule{\def\plt@rule{\kern-3\p@ \hrule width \columnwidth \kern2.6\p@}}
  \mltrule 5081 \def\mltrule{\def\mlt@rule{\kern-3\p@ \hrule width \columnwidth \kern2.6\p@}}
  \slt@rule 5082 \def\sltrule{\def\slt@rule{\kern-3\p@ \hrule width \columnwidth \kern2.6\p@}}
  \pltrule 5083 \def\plt@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}
  \mltrule 5084 \def\mlt@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}
  \slt@rule 5085 \def\slt@rule{\rule[3\p@]{\columnwidth}{.4\p@}\vspace*{2.6\p@}}

```

## 9.67 The `\mtcset...` commands

These commands<sup>11</sup> have been introduced to build a nicer user interface, and each of them replaces numerous user commands, offering a rather unified and logical syntax.

### 9.67.1 Keywords for the `\mtcset...` commands

`\@namedef` We define some common keywords for the `\mtcset...` commands. A keyword is created via `\@nameuse` the `\@namedef – \@nameuse` mechanism the following way:

```
\@namedef{mtc@family@name}{abbreviation}
```

where *family* is the name of a group of keywords relative to one or several `\mtcset...` macros, *name* is the keyword that the user gives as argument to the `\mtcset...` macro, and *abbreviation* is a string used to build the name of the macro effectively used. As some `\mtcset...` macros have several keyword parameters, this method can reduce the number of macros at the user level, at the cost of few keyword families.

<sup>11</sup>The general concept of the `\mtcset...` commands was proposed by Benjamin BAYART.

`\@namedef` We define a family (typetable) of keywords for the types of mini-tables:

```
5086 \@namedef{mtc@typetable@parttoc}{ptc}\def\mtc@typetable@parttoc{ptc}
5087 \@namedef{mtc@typetable@partlof}{plf}\def\mtc@typetable@partlof{plf}
5088 \@namedef{mtc@typetable@partlot}{plt}\def\mtc@typetable@partlot{plt}
5089 \@namedef{mtc@typetable@minitoc}{mtc}\def\mtc@typetable@minitoc{mtc}
5090 \@namedef{mtc@typetable@minilof}{mlf}\def\mtc@typetable@minilof{mlf}
5091 \@namedef{mtc@typetable@minilot}{mlt}\def\mtc@typetable@minilot{mlt}
5092 \@namedef{mtc@typetable@sectoc}{stc}\def\mtc@typetable@sectoc{stc}
5093 \@namedef{mtc@typetable@sectlof}{slf}\def\mtc@typetable@sectlof{slf}
5094 \@namedef{mtc@typetable@sectlot}{slt}\def\mtc@typetable@sectlot{slt}
```

`\@namedef` Then another family (typetitle) for the titles of the mini-tables:

```
5095 \@namedef{mtc@typetitle@parttoc}{pti}\def\mtc@typetitle@parttoc{pti}
5096 \@namedef{mtc@typetitle@partlof}{pti}\def\mtc@typetitle@partlof{pti}
5097 \@namedef{mtc@typetitle@partlot}{pti}\def\mtc@typetitle@partlot{pti}
5098 \@namedef{mtc@typetitle@minitoc}{mti}\def\mtc@typetitle@minitoc{mti}
5099 \@namedef{mtc@typetitle@minilof}{mti}\def\mtc@typetitle@minilof{mti}
5100 \@namedef{mtc@typetitle@minilot}{mti}\def\mtc@typetitle@minilot{mti}
5101 \@namedef{mtc@typetitle@sectoc}{sti}\def\mtc@typetitle@sectoc{sti}
5102 \@namedef{mtc@typetitle@sectlof}{sti}\def\mtc@typetitle@sectlof{sti}
5103 \@namedef{mtc@typetitle@sectlot}{sti}\def\mtc@typetitle@sectlot{sti}
```

`\@namedef` We define a family (YN) of keywords to recognize the keywords “off” and “on”, with their many synonyms<sup>12</sup> and meaning false or true<sup>13</sup>:

```
5104 \@namedef{mtc@YN@off}{no}\def\mtc@YN@off{no}
5105 \@namedef{mtc@YN@OFF}{no}\def\mtc@YN@OFF{no}
5106 \@namedef{mtc@YN@no}{no}\def\mtc@YN@no{no}
5107 \@namedef{mtc@YN@NO}{no}\def\mtc@YN@NO{no}
5108 \@namedef{mtc@YN@n}{no}\def\mtc@YN@n{no}
5109 \@namedef{mtc@YN@N}{no}\def\mtc@YN@N{no}
5110 \@namedef{mtc@YN@false}{no}\def\mtc@YN@false{no}
5111 \@namedef{mtc@YN@FALSE}{no}\def\mtc@YN@FALSE{no}
5112 \@namedef{mtc@YN@faux}{no}\def\mtc@YN@faux{no}
5113 \@namedef{mtc@YN@FAUX}{no}\def\mtc@YN@FAUX{no}
5114 \@namedef{mtc@YN@f}{no}\def\mtc@YN@f{no}
5115 \@namedef{mtc@YN@F}{no}\def\mtc@YN@F{no}
5116 \@namedef{mtc@YN@NON}{no}\def\mtc@YN@NON{no}
5117 \@namedef{mtc@YN@non}{no}\def\mtc@YN@non{no}
5118 \@namedef{mtc@YN@0}{no}\expandafter\def\csname mtc@YN@0\endcsname{no}
5119 \@namedef{mtc@YN@-}{no}\expandafter\def\csname mtc@YN@-\endcsname{no}
5120 %
5121 \@namedef{mtc@YN@on}{}\def\mtc@YN@on{}
5122 \@namedef{mtc@YN@ON}{}\def\mtc@YN@ON{}
```

<sup>12</sup>This (deliberately extreme) case shows the easyness for creating synonyms of frequently used keywords. Note also that when a keyword contains a non-letter character, we must use a hack with `\expandafter \csname ... \endcsname`.

<sup>13</sup>O and o are the letter O, 0 is the zero digit.

```

5123 \@namedef{mtc@YN@yes}{ }\def\mtc@YN@yes{}
5124 \@namedef{mtc@YN@YES}{ }\def\mtc@YN@YES{}
5125 \@namedef{mtc@YN@y}{ }\def\mtc@YN@y{}
5126 \@namedef{mtc@YN@Y}{ }\def\mtc@YN@Y{}
5127 \@namedef{mtc@YN@true}{ }\def\mtc@YN@true{}
5128 \@namedef{mtc@YN@TRUE}{ }\def\mtc@YN@TRUE{}
5129 \@namedef{mtc@YN@t}{ }\def\mtc@YN@t{}
5130 \@namedef{mtc@YN@T}{ }\def\mtc@YN@T{}
5131 \@namedef{mtc@YN@vrai}{ }\def\mtc@YN@vrai{}
5132 \@namedef{mtc@YN@VRAI}{ }\def\mtc@YN@VRAI{}
5133 \@namedef{mtc@YN@v}{ }\def\mtc@YN@v{}
5134 \@namedef{mtc@YN@V}{ }\def\mtc@YN@V{}
5135 \@namedef{mtc@YN@OUI}{ }\def\mtc@YN@OUI{}
5136 \@namedef{mtc@YN@oui}{ }\def\mtc@YN@oui{}
5137 \@namedef{mtc@YN@O}{ }\def\mtc@YN@O{}
5138 \@namedef{mtc@YN@o}{ }\def\mtc@YN@o{}
5139 \@namedef{mtc@YN@1}{ }\expandafter\def\csname mtc@YN@1\endcsname{}
5140 \@namedef{mtc@YN@+}{ }\expandafter\def\csname mtc@YN@+\endcsname{}

```

### 9.67.2 The `\mtcsetfont` command

`\@namedef` We define the sectioning level keywords (note that part is not a member of this family (sectlevel), because no contents line for a part can appear in a mini-table, part being the highest sectioning level); “\*” represents “any level”, and is used to set the global default font for a given kind of mini-table.

```

5141 \@namedef{mtc@sectlevel@chapter}{C}\def\mtc@sectlevel@chapter{C}
5142 \@namedef{mtc@sectlevel@section}{S}\def\mtc@sectlevel@section{S}
5143 \@namedef{mtc@sectlevel@subsection}{SS}\def\mtc@sectlevel@subsection{SS}
5144 \@namedef{mtc@sectlevel@subsubsection}{SSS}\def\mtc@sectlevel@subsubsection{SSS}
5145 \@namedef{mtc@sectlevel@paragraph}{P}\def\mtc@sectlevel@paragraph{P}
5146 \@namedef{mtc@sectlevel@subparagraph}{SP}\def\mtc@sectlevel@subparagraph{SP}
5147 \@namedef{mtc@sectlevel@*}{ }\expandafter\def\csname mtc@sectlevel@*\endcsname{}
5148 \@namedef{mtc@sectlevel@figure}{ }\def\mtc@sectlevel@figure{}
5149 \@namedef{mtc@sectlevel@table}{ }\def\mtc@sectlevel@table{}
5150 \@namedef{mtc@sectlevel@subfigure}{S}\def\mtc@sectlevel@subfigure{S}
5151 \@namedef{mtc@sectlevel@subtable}{S}\def\mtc@sectlevel@subtable{S}

```

`\mtcsetfont` The `\mtcsetfont` command has the following syntax:

```
\mtcsetfont{mini-table}{level-name}{font commands}
```

The *mini-table* type is a keyword like minitoc, the *level-name* is a sectioning level like subsection (no backslash). The *font commands* are a font specification, using NFSS [291] basic commands usually.

`\if@mtc@setfont@` First, we declare a flag, set true:

```
5152 \newif\if@mtc@setfont@\@mtc@setfont@true
```

`\mtcsetfont` Then, we begin the command, which has three arguments:

```
5153 \newcommand{\mtcsetfont}[3]{%
```

`\mtc@mta@abbrev` The two first arguments of this command are keywords. They must be translated into the effective strings. We process the first argument, a keyword from the `typetable` family. The result is stored in `\mtc@mta@abbrev`. Example: if #1 is `minitoc`, we get `mtc`. E0013

```
5154 \def\mtc@mta@abbrev{X}
5155 \@mtc@setfont@true
5156 \expandafter\ifx\csname mtc@typetable@#1\endcsname\relax
5157   \@mtc@setfont@false
5158   \def\mtc@mta@abbrev{X}
5159   \mtcPackageError[E0013]{minitoc}%
5160     {\string\mtcsetfont \space has a wrong first argument
5161     \MessageBreak
5162     (#1).
5163     \MessageBreak
5164     It should be a mini-table type
5165     \MessageBreak
5166     (parttoc...sectlot)}%
5167     {Correct the source code.
5168     \MessageBreak
5169     Type <return> and rerun LaTeX}
5170 \else
5171   \edef\mtc@mta@abbrev{\@nameuse{mtc@typetable@#1}}
5172 \fi
```

`\mtc@level@abbrev` The second argument, a keyword from the family `sectlevel`, is processed the same way and the result is stored into a macro `\mtc@level@abbrev`. Example: if #2 is the subparagraph keyword, we get SP. E0014

```
5173 \def\mtc@level@abbrev{X}
5174 \expandafter\ifx\csname mtc@sectlevel@#2\endcsname\relax
5175   \@mtc@setfont@false
5176   \def\mtc@level@abbrev{X}
5177   \mtcPackageError[E0014]{minitoc}%
5178     {\string\mtcsetfont \space has a wrong second argument
5179     \MessageBreak
5180     (#2).
5181     \MessageBreak
5182     It should be a sectioning level
5183     \MessageBreak
```

```

5184      (part...subparagraph) or * }%
5185      {Correct the source code.
5186      \MessageBreak
5187      Type <return> and rerun LaTeX}
5188 \else
5189   \edef\mtc@level@abbrev{\@nameuse{mtc@sectlevel@#2}}
5190 \fi

```

```

\mtc@tmp@name Then, we construct the effective macro to be applied:
\mtc@mta@abbrev
\mtc@level@abbrev 5191 \def\mtc@tmp@name{\mtc@mta@abbrev\mtc@level@abbrev font}

```

Example: if #1 is minitoc and #2 is subsection, we get mtcSSfont, which is the name of the command for the font of a subsection entry in a minitoc (the backslash is missing, but we will use a \csname ... \endcsname pair to apply the constructed command).

```

\if@mtc@setfont@ But all combinaisons are not legal (the level of the entry must be lower than the level of the
mini-table, and the kind 14 of the entry must be consistent with that of the mini-table), so we
must test. Special care must be taken for testing via internal defined commands (quarks) with
@mtcck at the end of their names).

```

```

5192 \def\parttoc@mtcck{parttoc@mtcck}
5193 \def\minitoc@mtcck{minitoc@mtcck}
5194 \def\secttoc@mtcck{secttoc@mtcck}
5195 \def\partlof@mtcck{partlof@mtcck}
5196 \def\minilof@mtcck{minilof@mtcck}
5197 \def\sectlof@mtcck{sectlof@mtcck}
5198 \def\partlot@mtcck{partlot@mtcck}
5199 \def\minilot@mtcck{minilot@mtcck}
5200 \def\sectlot@mtcck{sectlot@mtcck}
5201 \def\part@mtcck{part@mtcck}
5202 \def\chapter@mtcck{chapter@mtcck}
5203 \def\appendix@mtcck{appendix@mtcck}
5204 \def\section@mtcck{section@mtcck}
5205 \def\subsection@mtcck{subsection@mtcck}
5206 \def\subsubsection@mtcck{subsubsection@mtcck}
5207 \def\paragraph@mtcck{paragraph@mtcck}
5208 \def\subparagraph@mtcck{subparagraph@mtcck}
5209 \def\figure@mtcck{figure@mtcck}
5210 \def\table@mtcck{table@mtcck}
5211 \def\subfigure@mtcck{subfigure@mtcck}
5212 \def\subtable@mtcck{subtable@mtcck}
5213 \@mtc@setfont@true
5214 \expandafter\ifx\csname #1@mtcck\endcsname\parttoc@mtcck\relax
5215   \expandafter\ifx\csname #2@mtcck\endcsname\figure@mtcck\relax\@mtc@setfont@false\fi
5216   \expandafter\ifx\csname #2@mtcck\endcsname\subfigure@mtcck\relax\@mtc@setfont@false\fi
5217   \expandafter\ifx\csname #2@mtcck\endcsname\table@mtcck\relax\@mtc@setfont@false\fi
5218   \expandafter\ifx\csname #2@mtcck\endcsname\subtable@mtcck\relax\@mtc@setfont@false\fi

```

<sup>14</sup>“Kind” being sectioning, (sub-)figure, or (sub-)table.

```

5219 \fi
5220 \expandafter\ifx\csname #1@mtcck\endcsname\partlof@mtcck\relax
5221   \expandafter\ifx\csname #2@mtcck\endcsname\table@mtcck\relax\@mtc@setfont@false\fi
5222   \expandafter\ifx\csname #2@mtcck\endcsname\subtable@mtcck\relax\@mtc@setfont@false\fi
5223 \fi
5224 \expandafter\ifx\csname #1@mtcck\endcsname\partlot@mtcck\relax
5225   \expandafter\ifx\csname #2@mtcck\endcsname\figure@mtcck\relax\@mtc@setfont@false\fi
5226   \expandafter\ifx\csname #2@mtcck\endcsname\subfigure@mtcck\relax\@mtc@setfont@false\fi
5227 \fi
5228 \expandafter\ifx\csname #1@mtcck\endcsname\minitoc@mtcck\relax
5229   \expandafter\ifx\csname #2@mtcck\endcsname\part@mtcck\relax\@mtc@setfont@false\fi
5230   \expandafter\ifx\csname #2@mtcck\endcsname\chapter@mtcck\relax\@mtc@setfont@false\fi
5231   \expandafter\ifx\csname #2@mtcck\endcsname\appendix@mtcck\relax\@mtc@setfont@false\fi
5232   \expandafter\ifx\csname #2@mtcck\endcsname\figure@mtcck\relax\@mtc@setfont@false\fi
5233   \expandafter\ifx\csname #2@mtcck\endcsname\subfigure@mtcck\relax\@mtc@setfont@false\fi
5234   \expandafter\ifx\csname #2@mtcck\endcsname\table@mtcck\relax\@mtc@setfont@false\fi
5235   \expandafter\ifx\csname #2@mtcck\endcsname\subtable@mtcck\relax\@mtc@setfont@false\fi
5236 \fi
5237 \expandafter\ifx\csname #1@mtcck\endcsname\minilof@mtcck\relax
5238   \expandafter\ifx\csname #2@mtcck\endcsname\part@mtcck\relax\@mtc@setfont@false\fi
5239   \expandafter\ifx\csname #2@mtcck\endcsname\chapter@mtcck\relax\@mtc@setfont@false\fi
5240   \expandafter\ifx\csname #2@mtcck\endcsname\appendix@mtcck\relax\@mtc@setfont@false\fi
5241   \expandafter\ifx\csname #2@mtcck\endcsname\table@mtcck\relax\@mtc@setfont@false\fi
5242   \expandafter\ifx\csname #2@mtcck\endcsname\subtable@mtcck\relax\@mtc@setfont@false\fi
5243 \fi
5244 \expandafter\ifx\csname #1@mtcck\endcsname\minilot@mtcck\relax
5245   \expandafter\ifx\csname #2@mtcck\endcsname\part@mtcck\relax\@mtc@setfont@false\fi
5246   \expandafter\ifx\csname #2@mtcck\endcsname\chapter@mtcck\relax\@mtc@setfont@false\fi
5247   \expandafter\ifx\csname #2@mtcck\endcsname\appendix@mtcck\relax\@mtc@setfont@false\fi
5248   \expandafter\ifx\csname #2@mtcck\endcsname\figure@mtcck\relax\@mtc@setfont@false\fi
5249   \expandafter\ifx\csname #2@mtcck\endcsname\subfigure@mtcck\relax\@mtc@setfont@false\fi
5250 \fi
5251 \expandafter\ifx\csname #1@mtcck\endcsname\secttoc@mtcck\relax
5252   \expandafter\ifx\csname #2@mtcck\endcsname\part@mtcck\relax\@mtc@setfont@false\fi
5253   \expandafter\ifx\csname #2@mtcck\endcsname\chapter@mtcck\relax\@mtc@setfont@false\fi
5254   \expandafter\ifx\csname #2@mtcck\endcsname\appendix@mtcck\relax\@mtc@setfont@false\fi
5255   \expandafter\ifx\csname #2@mtcck\endcsname\section@mtcck\relax\@mtc@setfont@false\fi
5256   \expandafter\ifx\csname #2@mtcck\endcsname\figure@mtcck\relax\@mtc@setfont@false\fi
5257   \expandafter\ifx\csname #2@mtcck\endcsname\subfigure@mtcck\relax\@mtc@setfont@false\fi
5258   \expandafter\ifx\csname #2@mtcck\endcsname\table@mtcck\relax\@mtc@setfont@false\fi
5259   \expandafter\ifx\csname #2@mtcck\endcsname\subtable@mtcck\relax\@mtc@setfont@false\fi
5260 \fi
5261 \expandafter\ifx\csname #1@mtcck\endcsname\sectlof@mtcck\relax
5262   \expandafter\ifx\csname #2@mtcck\endcsname\part@mtcck\relax\@mtc@setfont@false\fi
5263   \expandafter\ifx\csname #2@mtcck\endcsname\chapter@mtcck\relax\@mtc@setfont@false\fi
5264   \expandafter\ifx\csname #2@mtcck\endcsname\appendix@mtcck\relax\@mtc@setfont@false\fi
5265   \expandafter\ifx\csname #2@mtcck\endcsname\section@mtcck\relax\@mtc@setfont@false\fi
5266   \expandafter\ifx\csname #2@mtcck\endcsname\table@mtcck\relax\@mtc@setfont@false\fi
5267   \expandafter\ifx\csname #2@mtcck\endcsname\subtable@mtcck\relax\@mtc@setfont@false\fi
5268 \fi
5269 \expandafter\ifx\csname #1@mtcck\endcsname\sectlot@mtcck\relax
5270   \expandafter\ifx\csname #2@mtcck\endcsname\part@mtcck\relax\@mtc@setfont@false\fi
5271   \expandafter\ifx\csname #2@mtcck\endcsname\chapter@mtcck\relax\@mtc@setfont@false\fi
5272   \expandafter\ifx\csname #2@mtcck\endcsname\appendix@mtcck\relax\@mtc@setfont@false\fi

```

```

5273 \expandafter\ifx\csname #2@mtcck\endcsname\section@mtcck\relax\@mtc@setfont@false\fi
5274 \expandafter\ifx\csname #2@mtcck\endcsname\figure@mtcck\relax\@mtc@setfont@false\fi
5275 \expandafter\ifx\csname #2@mtcck\endcsname\subfigure@mtcck\relax\@mtc@setfont@false\fi
5276 \fi

```

`\if@mtc@setfont@` If the combinaison is legal, we apply it, i.e., we redefine the meaning of the constructed  
`\mtc@tmp@name` macro with the sequence of commands given as third argument of `\mtcsetfont` and we log  
`\mtc@mta@abbrev` that event (we store the third argument in a token register to can print it *verbatim*); if the  
`\mtc@level@abbrev` combinaison is not legal, an error message is displayed.  
`\mtc@toks`

I0015
E0024

```

5277 \if@mtc@setfont@
5278 \def\mtc@tmp@name{\mtc@mta@abbrev\mtc@level@abbrev font}
5279 \mtc@toks{#3}
5280 \mtcPackageInfo[I0015]{minitoc}%
5281 {\string\mtcsetfont\space redefines the macro
5282 \MessageBreak
5283 "\mtc@tmp@name" as "\the\mtc@toks"}%
5284 \expandafter\edef\csname\mtc@tmp@name\endcsname{\the\mtc@toks}%
5285 \else
5286 \mtcPackageError[E0024]{minitoc}%
5287 {The macro \string\mtcsetfont\space has incompatible
5288 \MessageBreak
5289 first (#1) and second (#2) arguments}%
5290 {Correct the source code.
5291 \MessageBreak
5292 Type <return> and rerun LaTeX}
5293 \fi}

```

### 9.67.3 The `\mtcsetttitlefont` command

`\mtcsetttitlefont` This command is very similar to the `\mtcsetfont` command. Its syntax is almost identical:

```
\mtcsetttitlefont{mini-table}{font commands}
```

`\if@mtc@setttitlefont@` The *mini-table* type is a keyword like `minitoc`. The *font commands* are a font specification, using NFSS [291] basic commands usually. The difference is the absence of the second keyword argument, because the *font commands* will be applied to the title of each mini-table of the given kind.

First, we declare a flag, set true:

```
5294 \newif\if@mtc@setttitlefont@\@mtc@setttitlefont@true
```

`\mtcsettitlefont` And we begin the definition of the `\mtcsettitlefont` command, which has two arguments:

```
5295 \newcommand{\mtcsettitlefont}[2]{%
```

`\mtc@mtatf@abbrev` We process the first argument, a keyword of the `typetitle` family, then the result is stored  
`\if@mtc@settitlefont@` into `\mtc@mtatf@abbrev`:  
`\@nameuse`

E0022

```
5296 \def\mtc@mtatf@abbrev{X}
5297 \@mtc@settitlefont@true
5298 \expandafter\ifx\csname mtc@typetitle@#1\endcsname\relax
5299   \@mtc@settitlefont@false
5300   \def\mtc@mtatf@abbrev{X}
5301   \mtcPackageError[E0022]{minitoc}%
5302     {\string\mtcsettitlefont \space has a wrong first argument
5303     \MessageBreak
5304     (#1).
5305     \MessageBreak
5306     It should be a mini-table type
5307     \MessageBreak
5308     (parttoc...sectlot)}%
5309     {Correct the source code.
5310     \MessageBreak
5311     Type <return> and rerun LaTeX}
5312 \else
5313   \edef\mtc@mtatf@abbrev{\@nameuse{mtc@typetitle@#1}}
5314 \fi
```

`\if@mtc@settitlefont@` Then we build the name of the effective command and apply this command:

I0018

E0034

```
\mtc@tmptf@name
\mtc@mtatf@abbrev 5315 \if@mtc@settitlefont@
\mtc@toks 5316   \def\mtc@tmptf@name{\mtc@mtatf@abbrev font}
5317   \mtc@toks{#2}%
5318   \mtcPackageInfo[I0018]{minitoc}%
5319   {\string\mtcsettitlefont\space redefines the macro
5320   \MessageBreak
5321   "\mtc@tmptf@name" as
5322   \MessageBreak
5323   "\the\mtc@toks"}%
5324   \expandafter\edef\csname\mtc@tmptf@name\endcsname{\the\mtc@toks}%
5325 \else
5326   \mtcPackageError[E0034]{minitoc}%
5327   {The macro \string\mtcsettitlefont\space uses
5328   \MessageBreak
5329   an illegal type of table (#1)}%
5330   {Correct the source code.
5331   \MessageBreak
5332   Type <return> and rerun LaTeX}{\relax}
5333 \fi
5334 }
```



9.67.4 The `\mtcsettitle` command

`\mtcsettitle` This command is very similar to the `\mtcsettitlefont` command. Its syntax is almost identical:

```
\mtcsettitle{mini-table}{text}
```

The *mini-table* type is a keyword like `minitoc`. The *text* is the text for a mini-table title.

`\if@mtc@settitle@` First, we declare a flag, set true:

```
5335 \newif\if@mtc@settitle@\@mtc@settitle@true
```

`\mtcsettitle` Then we define the `\mtcsettitle` command, which has two arguments:

```
5336 \newcommand{\mtcsettitle}[2]{%
```

`\mtc@mtati@abbrev` We process the first argument, a keyword of the `typetable` family. The result is stored in E0021

`\if@mtc@settitle@` `\mtc@mtati@abbrev`:

`\@nameuse`

```
5337 \def\mtc@mtati@abbrev{X}
5338 \@mtc@settitle@true
5339 \expandafter\ifx\csname mtc@typetable@#1\endcsname\relax
5340   \@mtc@settitle@false
5341   \def\mtc@mtati@abbrev{X}
5342   \mtcPackageError[E0021]{minitoc}%
5343     {\string\mtcsettitle \space has a wrong first argument
5344     \MessageBreak
5345     (#1).
5346     \MessageBreak
5347     It should be a mini-table type
5348     \MessageBreak
5349     (parttoc...sectlot)}%
5350     {Correct the source code.
5351     \MessageBreak
5352     Type <return> and rerun LaTeX}
5353 \else
5354   \edef\mtc@mtati@abbrev{\@nameuse{mtc@typetable@#1}}
5355 \fi
```

`\if@mtc@settitle@` And we construct the name of the effective macro and apply it:

`\mtc@tmpti@name`

`\mtc@mtati@abbrev` 5356 `\if@mtc@settitle@`

`\mtc@toks` 5357 `\def\mtc@tmpti@name{\mtc@mtati@abbrev title}%`

5358 `\mtc@toks{#2}%`

I0017

E0033

```

5359 \mtcPackageInfo[I0017]{minitoc}%
5360   {\string\mtcsettitle\space redefines the macro
5361     \MessageBreak
5362     "\mtc@tmpti@name" as
5363     \MessageBreak
5364     "\the\mtc@toks"}%
5365 \expandafter\edef\cename\mtc@tmpti@name\endcsname{\the\mtc@toks}%
5366 \else
5367 \mtcPackageError[E0033]{minitoc}%
5368   {The macro \string\mtcsettitle\space uses
5369     \MessageBreak
5370     an illegal type of table (#1)}%
5371   {Correct the source code.
5372     \MessageBreak
5373     Type <return> and rerun LaTeX}{\relax}
5374 \fi
5375 }

```

### 9.67.5 The `\mtcsetformat` command

`\@namedef` We define first the keywords (family `formatparam`) for the three formatting parameters that this command can alter:

```

5376 \@namedef{mtc@formatparam@dotinterval}{dotsep}%
5377 \def\mtc@arg@dotinterval{dotsep}
5378 \@namedef{mtc@formatparam@tocrightmargin}{tocrmarg}%
5379 \def\mtc@arg@tocrightmargin{tocrightmargin}
5380 \@namedef{mtc@formatparam@pagenumwidth}{pnumwidth}%
5381 \def\mtc@arg@pagenumwidth{\mtc@arg@pagenumwidth}
5382 %% \@namedef{mtc@arg@numwidth}{numwidth} %not yet available
5383 %% \def\mtc@arg@numwidth{\mtc@arg@numwidth} %not yet available

```

`\AtBeginDocument` The `\mtcsetformat` command needs an initialization to be done at the beginning of the document, to set the defaults values of the formatting parameters:

```
5384 \AtBeginDocument{%
```

```

  \@pnumwidth We take, if possible, the default value of \@pnumwidth for each type of mini-tables:
  \ptcpnumwidth
  \mtcpnumwidth 5385 \@ifundefined{ptcpnumwidth}{\let\ptcpnumwidth\@pnumwidth}{}%
  \stcpnumwidth 5386 \@ifundefined{stcpnumwidth}{\let\stcpnumwidth\@pnumwidth}{}%
  \plfpnumwidth 5387 \@ifundefined{mtcpnumwidth}{\let\mtcpnumwidth\@pnumwidth}{}%
  \mlfpnumwidth 5388 \@ifundefined{plfpnumwidth}{\let\plfpnumwidth\@pnumwidth}{}%
  \slfpnumwidth 5389 \@ifundefined{mlfpnumwidth}{\let\mlfpnumwidth\@pnumwidth}{}%
  \pltpnumwidth 5390 \@ifundefined{slfpnumwidth}{\let\slfpnumwidth\@pnumwidth}{}%
  \mltpnumwidth 5391 \@ifundefined{pltpnumwidth}{\let\pltpnumwidth\@pnumwidth}{}%
  \sltpnumwidth 5392 \@ifundefined{mltpnumwidth}{\let\mltpnumwidth\@pnumwidth}{}%
  5393 \@ifundefined{sltpnumwidth}{\let\sltpnumwidth\@pnumwidth}{}%

```

```

\@tocrmarg We take, if possible, the default value of \@tocrmarg for each type of mini-tables:
\ptctocrmarg
\mtcclofrmarg 5394 \@ifundefined{ptctocrmarg}{\let\ptctocrmarg\@tocrmarg}{}%
\stclotrarg 5395 \@ifundefined{mtctocrmarg}{\let\mtctocrmarg\@tocrmarg}{}%
\plftocrmarg 5396 \@ifundefined{stctocrmarg}{\let\stctocrmarg\@tocrmarg}{}%
\mlflocrmarg 5397 \@ifundefined{plftocrmarg}{\let\plftocrmarg\@tocrmarg}{}%
\slflotrarg 5398 \@ifundefined{mlftocrmarg}{\let\mlftocrmarg\@tocrmarg}{}%
\plttocrmarg 5399 \@ifundefined{slftocrmarg}{\let\slftocrmarg\@tocrmarg}{}%
\mltlofrmarg 5400 \@ifundefined{plttocrmarg}{\let\plttocrmarg\@tocrmarg}{}%
\sltlotrarg 5401 \@ifundefined{mlttocrmarg}{\let\mlttocrmarg\@tocrmarg}{}%
5402 \@ifundefined{slttocrmarg}{\let\slttocrmarg\@tocrmarg}{}%

```

```

\@dotsep We take, if possible, the default value of \@dotsep for each type of mini-tables:
\ptcdotsep
\mtcdotsep 5403 \@ifundefined{ptcdotsep}{\let\ptcdotsep\@dotsep}{}%
\stcdotsep 5404 \@ifundefined{mtcdotsep}{\let\mtcdotsep\@dotsep}{}%
\plfdotsep 5405 \@ifundefined{stcdotsep}{\let\stcdotsep\@dotsep}{}%
\mlfdotsep 5406 \@ifundefined{plfdotsep}{\let\plfdotsep\@dotsep}{}%
\slfdotsep 5407 \@ifundefined{mlfdotsep}{\let\mlfdotsep\@dotsep}{}%
\pltdotsep 5408 \@ifundefined{slfdotsep}{\let\slfdotsep\@dotsep}{}%
\mltdotsep 5409 \@ifundefined{pltdotsep}{\let\pltdotsep\@dotsep}{}%
\sltdotsep 5410 \@ifundefined{mltdotsep}{\let\mltdotsep\@dotsep}{}%
5411 \@ifundefined{sltdotsep}{\let\sltdotsep\@dotsep}{}%

```

And we terminate the `\AtBeginDocument` block:

```
5412 }%
```

```

\mtcsetformat The executive part is done via the following macros, which are invoked in the mtc@verse-like
environments for each kind of mini-table. These commands activate the values recorded by
\mtcsetformat.

```

```

\ptc@setform The \ptc@setform macro is invoked in ptc@verse to set format parameters:
ptc@verse

```

```

5413 \def\ptc@setform{%
5414 \let\@pnumwidth\ptcpnumwidth\relax
5415 \let\@tocrmarg\ptctocrmarg\relax
5416 \let\@dotsep\ptcdotsep\relax
5417 }

```

```

\mtc@setform The \mtc@setform macro is invoked in mtc@verse to set format parameters:
mtc@verse

```

```

5418 \def\mtc@setform{%
5419 \let\@pnumwidth\mtcpnumwidth\relax
5420 \let\@tocrmarg\mtctocrmarg\relax
5421 \let\@dotsep\mtcdotsep\relax
5422 }

```

`\stc@setform` The `\stc@setform` macro is invoked in `stc@verse` to set format parameters:  
`stc@verse`

```
5423 \def\stc@setform{%
5424 \let\@pnumwidth\stcpnumwidth\relax
5425 \let\@tocrmarg\stctocrmarg\relax
5426 \let\@dotsep\stcdotsep\relax
5427 }
```

`\plf@setform` The `\plf@setform` macro is invoked in `ptc@verse` to set format parameters:  
`ptc@verse`

```
5428 \def\plf@setform{%
5429 \let\@pnumwidth\plfpnumwidth\relax
5430 \let\@tocrmarg\plftocrmarg\relax
5431 \let\@dotsep\plfdotsep\relax
5432 }
```

`\mlf@setform` The `\mlf@setform` macro is invoked in `mtc@verse` to set format parameters:  
`mtc@verse`

```
5433 \def\mlf@setform{%
5434 \let\@pnumwidth\mlfpnumwidth\relax
5435 \let\@tocrmarg\mlftocrmarg\relax
5436 \let\@dotsep\mlfdotsep\relax
5437 }
```

`\slf@setform` The `\slf@setform` macro is invoked in `stc@verse` to set format parameters:  
`stc@verse`

```
5438 \def\slf@setform{%
5439 \let\@pnumwidth\slfpnumwidth\relax
5440 \let\@tocrmarg\slftocrmarg\relax
5441 \let\@dotsep\slfdotsep\relax
5442 }
```

`\plt@setform` The `\plt@setform` macro is invoked in `ptc@verse` to set format parameters:  
`ptc@verse`

```
5443 \def\plt@setform{%
5444 \let\@pnumwidth\pltpnumwidth\relax
5445 \let\@tocrmarg\plttocrmarg\relax
5446 \let\@dotsep\pltdotsep\relax
5447 }
```

`\mlt@setform` The `\mlt@setform` macro is invoked in `mtc@verse` to set format parameters:  
`mtc@verse`

```
5448 \def\mlt@setform{%
5449 \let\@pnumwidth\plfpnumwidth\relax
```

```
5450 \let\@tocrmarg\plftocrmarg\relax
5451 \let\@dotsep\plfdotsep\relax
5452 }
```

`\slt@setform` The `\slt@setform` macro is invoked in `stc@verse` to set format parameters:  
`stc@verse`

```
5453 \def\slt@setform{%
5454 \let\@pnumwidth\plfpnumwidth\relax
5455 \let\@tocrmarg\plftocrmarg\relax
5456 \let\@dotsep\plfdotsep\relax
5457 }
```

`\if@mtc@setformat@` We now define a flag and the `\mtcsetformat` command, with has the following syntax:  
`\mtcsetformat`

```
\mtcsetformat{mini-table}{parameter-name}{value}
```

where *mini-table* is a keyword of the `typetable` family, *parameter-name* is a keyword of the `formatparam` family and *value*, the value of this parameter for the given kind of mini-table.

```
5458 \newif\if@mtc@setformat@\@mtc@setformat@true
5459 \newcommand{\mtcsetformat}[3]{%
```

`\mtc@mtf@abbrev` We now process the first argument and store the result in `\mtc@mtf@abbrev`:  
`\mtc@fparam@abbrev`

```
5460 \def\mtc@mtf@abbrev{X}
5461 \def\mtc@fparam@abbrev{X}
5462 \@mtc@setformat@true
5463 \expandafter\ifx\csname mtc@typetable@#1\endcsname\relax
5464 \@mtc@setformat@false
5465 \def\mtc@mtf@abbrev{X}
5466 \mtcPackageError[E0015]{minitoc}%
5467   {\string\mtcsetformat \space has a wrong first argument
5468   \MessageBreak
5469   (#1).
5470   \MessageBreak
5471   It should be a mini-table type
5472   \MessageBreak
5473   (parttoc...sectlot)}%
5474   {Correct the source code.
5475   \MessageBreak
5476   Type <return> and rerun LaTeX}
5477 \else \def\mtc@mtf@abbrev{\@nameuse{mtc@typetable@#1}}
5478 \fi
```

E0021

`\mtc@fparam@abbrev` Then we process the second argument and store the result into a macro `\mtc@fparam@abbrev`:  
`\@nameuse`

E0016

```

5479 \expandafter\ifx\csname mtc@formatparam@#2\endcsname\relax
5480 \@mtc@setformat@false
5481 \def\mtc@fparam@abbrev{X}
5482 \mtcPackageError[E0016]{minitoc}%
5483   {\string\mtcsetformat \space has a wrong second argument
5484   \MessageBreak
5485   (#2).
5486   \MessageBreak
5487   It should be a formatting param chosen from:
5488   \MessageBreak
5489   pagewidth, tocrighthmargin, dotinterval}%
5490 {Correct the source code.
5491   \MessageBreak
5492   Type <return> and rerun LaTeX}%
5493 \else
5494 \edef\mtc@fparam@abbrev{\@nameuse{mtc@formatparam@#2}}%
5495 \fi

```

`\if@mtc@setformat@` The name of the storage macro is built and it receives the third parameter as value (*via* `\edef`  
`\mtc@tmpfm@name` because it can contain some complex code):  
`\mtc@mtf@abbrev`

```

\mtc@fparam@abbrev 5496 \if@mtc@setformat@
5497 \mtc@toks{#3}%
5498 \def\mtc@tmpfm@name{\mtc@mtf@abbrev\mtc@fparam@abbrev}%
5499 \mtcPackageInfo[I0016]{minitoc}%
5500   {\string\mtcsetformat\space redefines the macro
5501   \MessageBreak
5502   "\mtc@tmpfm@name" as "\the\mtc@toks"}
5503 \expandafter\edef\csname\mtc@tmpfm@name\endcsname{\the\mtc@toks}%
5504 \else
5505 \mtcPackageError[E0025]{minitoc}%
5506   {The macro \string\mtcsetformat\space has incompatible
5507   \MessageBreak
5508   first (#1) and second (#2) arguments}%
5509   {Correct the source code.
5510   \MessageBreak
5511   Type <return> and rerun LaTeX}%
5512 \fi
5513 }

```



I0016

E0025

### 9.67.6 The `\mtcsetpagenumbers` command

This command activates or inhibits page numbers in the mini-tables of a given kind. Its syntax is the following:

```
\mtcsetpagenumbers{mini-table}{on|off}
```

where *mini-table* is a keyword for a kind of mini-table (parttoc, ... sectlot), or on and off a keyword to activate (on) or inhibit (off) the page numbers. on and off have many synonyms.

```
\if@mtc@setpagenumbers@ We define some flags:
  \if@mtc@spn@ok@
```

```
5514 \newif\if@mtc@setpagenumbers@ \@mtc@setpagenumbers@false
5515 \newif\if@mtc@spn@ok@
```

```
\mtcsetpagenumbers We define the user-level macro. If the first argument is a star, we call the internal macro
  \ifundefined \mtcsetpagenumbers@ for each type of mini-table available; else, we call this internal macro
\mtcsetpagenumbers@ only once, for the specified type of mini-table.
```

```
5516 \newcommand{\mtcsetpagenumbers}[2]{%
5517   \expandafter\ifx\csname #1\endcsname\*\relax
5518   \@ifundefined{part}{}%
5519   {\mtcsetpagenumbers@{parttoc}{#2}}
5520   \mtcsetpagenumbers@{partlof}{#2}}
5521   \mtcsetpagenumbers@{partlot}{#2}}
5522   \@ifundefined{chapter}{}%
5523   {\mtcsetpagenumbers@{minitoc}{#2}}
5524   \mtcsetpagenumbers@{minilof}{#2}}
5525   \mtcsetpagenumbers@{minilot}{#2}}
5526   \@ifundefined{section}{}%
5527   {\mtcsetpagenumbers@{secttoc}{#2}}
5528   \mtcsetpagenumbers@{sectlof}{#2}}
5529   \mtcsetpagenumbers@{sectlot}{#2}}
5530   \else
5531   \mtcsetpagenumbers@{#1}{#2}%
5532   \fi
5533 }
```

```
\mtcsetpagenumber@ Then the \mtcsetpagenumbers@ internal macro, with two arguments:
```

```
5534 \newcommand{\mtcsetpagenumbers@}[2]{%
```

```
\mtc@mttpn@abbrev We process the first argument, a keyword of the typetable family, and store the result in
  \mtc@pns@abbrev \mtc@mttpn@abbrev:
```

E0017

```
5535 \def\mtc@mttpn@abbrev{X}
5536 \@mtc@setpagenumbers@true
5537 \def\mtc@pns@abbrev{}
5538 \expandafter\ifx\csname mtc@typetable@#1\endcsname\relax
5539   \@mtc@setpagenumbers@false
5540   \def\mtc@pns@abbrev{X}
5541   \def\mtc@mttpn@abbrev{X}
5542   \mtcPackageError[E0017]{minitoc}{%
```

```

5543     {\string\mtcsetpagenumbers \space has a wrong first
5544     \MessageBreak
5545     argument (#1)}%
5546     {It should be a mini-table type
5547     \MessageBreak
5548     (parttoc...sectlot)
5549     \MessageBreak
5550     Correct the source code.
5551     \MessageBreak
5552     Type <return> and rerun LaTeX}
5553 \else
5554     \edef\mtc@mttpn@abbrev{\@nameuse{mtc@typetable@#1}}
5555 \fi

```

```

\if@mtc@spn@ok@ Then the second argument, a keyword of the YN family, and store the result into a macro
\mtc@pns@abbrev \mtc@pns@abbrev. The name of the effective macro is built and the macro executed.
\mtc@mttpn@abbrev
\if@mtc@setpagenumbers@ 5556 \@mtc@spn@ok@true
\mtc@tmppn@name 5557 \expandafter\ifx\csname mtc@YN@#2\endcsname\relax
5558     \@mtc@spn@ok@false
5559     \def\mtc@pns@abbrev{X}
5560     \def\mtc@mttpn@abbrev{X}
5561     \@mtc@setpagenumbers@false
5562     \def\mtc@mttpn@abbrev{X}
5563     \mtcPackageError[E0018]{minitoc}%
5564     {\string\mtcsetpagenumbers \space has a wrong second
5565     \MessageBreak
5566     argument (#2)}%
5567     {It should be a boolean value (0/1, yes/no, on/off, ...)
5568     \MessageBreak
5569     Correct the source code.
5570     \MessageBreak
5571     Type <return> and rerun LaTeX}
5572 \else
5573     \edef\mtc@pns@abbrev{\@nameuse{mtc@YN@#2}}
5574     \def\mtc@pns@abbrevX{X}
5575     \def\mtc@noX{mtc@noX}
5576     \def\mtc@tmppn@name{\mtc@pns@abbrev\mtc@mttpn@abbrev pagenumbers}
5577     \expandafter\ifx\csname mtc@\mtc@pns@abbrev X\endcsname\mtc@noX
5578     \mtcPackageInfo[I0022]{minitoc}%
5579     {Page numbers are inhibited
5580     \MessageBreak
5581     for the #1s}
5582 \else
5583     \mtcPackageInfo[I0021]{minitoc}%
5584     {Page numbers are activated
5585     \MessageBreak for the #1s}
5586 \fi
5587 \csname\mtc@tmppn@name\endcsname{}
5588 \fi
5589 }

```

E0018

I0022

I0021



### 9.67.7 The `\mtcsetrules` command

This macro is very similar to `\mtcsetpagenumbers` and its syntax is the same:

```
\mtcsetrules{mini-table}{on|off}
```

where *mini-table* is a keyword for a kind of mini-table (`parttoc`, ... `sectlot`), or `on` and `off` a keyword to activate (`on`) or inhibit (`off`) the horizontal rules. `on` and `off` have many synonyms.

Hence the code is similar.

```
\if@mtc@setrules@ We define some flags:
\if@mtc@sru@ok@
```

```
5590 \newif\if@mtc@setrules@ \@mtc@setrules@false
5591 \newif\if@mtc@sru@ok@
```

```
\mtcsetrules We define the user-level macro. If the first argument is a star, we call the internal macro
\@ifundefined \mtcsetrules@ for each type of mini-table available; else, we call this internal macro only
\mtcsetrules@ once, for the specified type of mini-table.
```

```
5592 \newcommand{\mtcsetrules}[2]{%
5593   \expandafter\ifx\csname #1\endcsname\*\relax
5594   \@ifundefined{part}{}%
5595   {\mtcsetrules@{parttoc}{#2}}
5596   \mtcsetrules@{partlof}{#2}
5597   \mtcsetrules@{partlot}{#2}}
5598   \@ifundefined{chapter}{}%
5599   {\mtcsetrules@{minitoc}{#2}}
5600   \mtcsetrules@{minilof}{#2}
5601   \mtcsetrules@{minilot}{#2}}
5602   \@ifundefined{section}{}%
5603   {\mtcsetrules@{secttoc}{#2}}
5604   \mtcsetrules@{sectlof}{#2}
5605   \mtcsetrules@{sectlot}{#2}}
5606   \else
5607   \mtcsetrules@{#1}{#2}%
5608   \fi
5609 }
```

```
\mtcsetrules@ Then the \mtcsetrules@ internal macro, which has two arguments:
```

```
5610 \newcommand{\mtcsetrules@}[2]{%
```

```

\mtc@mttru@abbrev We process the first argument, a keyword of the typetable family and store the result in a
\if@mtc@setrules@ macro \mtc@mttru@abbrev:
\mtc@rusw@abbrev
  \@nameuse 5611 \def\mtc@mttru@abbrev{X}
            5612 \@mtc@setrules@true
            5613 \def\mtc@rusw@abbrev{}
            5614 \expandafter\ifx\csname mtc@typetable@#1\endcsname\relax
            5615   \@mtc@setrules@false
            5616   \def\mtc@rusw@abbrev{X}
            5617   \def\mtc@mttru@abbrev{X}
            5618   \mtcPackageError[E0019]{minitoc}%
            5619     {\string\mtcsetrules \space has a wrong first argument
            5620       \MessageBreak
            5621       (#1)}%
            5622     {It should be a mini-table type
            5623       \MessageBreak
            5624       (parttoc...sectlot)
            5625       \MessageBreak
            5626       Correct the source code.
            5627       \MessageBreak
            5628       Type <return> and rerun LaTeX}
            5629 \else
            5630   \edef\mtc@mttru@abbrev{\@nameuse{mtc@typetable@#1}}
            5631 \fi

```

E0019

```

\if@mtc@sru@ok@ Then the second argument, a keyword of the YN family, and store the result in a macro
\mtc@rusw@abbrev \mtc@rusw@abbrev. The name of the effective macro is built and the macro executed.
\mtc@mttru@abbrev
if@setrules@false 5632 \@mtc@sru@ok@true
                  \mtc@noX 5633 \expandafter\ifx\csname mtc@YN@#2\endcsname\relax
\mtc@tmppn@name 5634   \@mtc@sru@ok@false
                5635   \def\mtc@rusw@abbrev{X}
                5636   \def\mtc@mttru@abbrev{X}
                5637   \@mtc@setrules@false
                5638   \mtcPackageError[E0020]{minitoc}%
                5639     {\string\mtcsetrules \space has a wrong second argument
                5640       \MessageBreak
                5641       (#2)}%
                5642     {It should be a boolean value (0/1, yes/no, on/off, ...)
                5643       \MessageBreak
                5644       Correct the source code.
                5645       \MessageBreak
                5646       Type <return> and rerun LaTeX}
                5647 \else
                5648   \edef\mtc@rusw@abbrev{\@nameuse{mtc@YN@#2}}
                5649   \def\mtc@rusw@abbrevX{X}
                5650   \def\mtc@noX{mtc@noX}
                5651   \def\mtc@tmppn@name{\mtc@rusw@abbrev\mtc@mttru@abbrev rule}
                5652   \expandafter\ifx\csname mtc@\mtc@rusw@abbrev X\endcsname\mtc@noX
                5653     \mtcPackageInfo[I0008]{minitoc}%
                5654       {Horizontal rules are inhibited
                5655       \MessageBreak

```

E0020

I0008

I0007

```

5656         for the #1s}
5657     \else
5658         \mtePackageInfo[I0007]{minitoc}%
5659         {Horizontal rules are activated
5660         \MessageBreak
5661         for the #1s}
5662     \fi
5663     \csname\mte@tmppn@name\endcsname{}
5664 \fi
5665 }

```

### 9.67.8 The `\mtefeature` command

For this command, we must define three families of keywords, but the third is just used to add the word “style” for the “pagestyle” when “pagestyle” is used.

A family (`ltypetable`) for the long names of the types of mini-tables:

```

5666 \@namedef{mte@ltypetable@parttoc}{parttoc}\def\mte@ltypetable@parttoc{parttoc}
5667 \@namedef{mte@ltypetable@partlof}{partlof}\def\mte@ltypetable@partlof{partlof}
5668 \@namedef{mte@ltypetable@partlot}{partlot}\def\mte@ltypetable@partlot{partlot}
5669 \@namedef{mte@ltypetable@minitoc}{minitoc}\def\mte@ltypetable@minitoc{minitoc}
5670 \@namedef{mte@ltypetable@minilof}{minilof}\def\mte@ltypetable@minilof{minilof}
5671 \@namedef{mte@ltypetable@minilot}{minilot}\def\mte@ltypetable@minilot{minilot}
5672 \@namedef{mte@ltypetable@secttoc}{secttoc}\def\mte@ltypetable@secttoc{secttoc}
5673 \@namedef{mte@ltypetable@sectlof}{sectlof}\def\mte@ltypetable@sectlof{sectlof}
5674 \@namedef{mte@ltypetable@sectlot}{sectlot}\def\mte@ltypetable@sectlot{sectlot}

```

A family (`featureparam`) for the type of feature:

```

5675 \@namedef{mte@featureparam@before}{before}%
5676     \def\mte@featureparam@before{before}
5677 \@namedef{mte@featureparam@after}{after}%
5678     \def\mte@featureparam@after{after}
5679 \@namedef{mte@featureparam@open}{open}%
5680     \def\mte@featureparam@open{open}
5681 \@namedef{mte@featureparam@close}{close}%
5682     \def\mte@featureparam@close{close}
5683 \@namedef{mte@featureparam@pagestyle}{thispage}%
5684     \def\mte@featureparam@pagestyle{thispage}

```

And a family (`ft3`) to add “style” if it is a “pagestyle” feature:

```

5685 \@namedef{mte@ft3@before}{} \expandafter\def\csname mte@ft3@before\endcsname{}
5686 \@namedef{mte@ft3@after}{} \expandafter\def\csname mte@ft3@after\endcsname{}
5687 \@namedef{mte@ft3@open}{} \expandafter\def\csname mte@ft3@open\endcsname{}
5688 \@namedef{mte@ft3@close}{} \expandafter\def\csname mte@ft3@close\endcsname{}
5689 \@namedef{mte@ft3@pagestyle}{style}%
5690     \expandafter\def\csname mte@ft3@pagestyle\endcsname{style}

```

The `\mtcsetfeature` command has the following syntax:

```
\mtcsetfeature{mini-table}{feature-name}{commands}
```

where *mini-table* is a keyword of the `ltypetable` family, *feature-name* is a keyword of the `featureparam` family (but also of the `ft3` family), and *commands* are the commands which constitute the selected feature.

`\if@mtc@setfeature@` We define a flag and the `\mtcsetfeature` command, with three arguments:  
`\mtcsetfeature`

```
5691 \newif\if@mtc@setfeature@\@mtc@setfeature@true
5692 \newcommand{\mtcsetfeature}[3]{%
```

`\mtc@mtfeat@abbrev` We process the first argument, a keyword of the `ltypetable` family, and store the result in  
`\mtc@featparam@abbrev` `\mtc@mtfeat@abbrev`:

E0011

```
5693 \def\mtc@mtfeat@abbrev{X}
5694 \def\mtc@featparam@abbrev{X}
5695 \@mtc@setfeature@true
5696 \expandafter\ifx\csname mtc@ltypetable@#1\endcsname\relax
5697   \@mtc@setfeature@false
5698   \def\mtc@mtfeat@abbrev{X}
5699   \mtcPackageError[E0011]{minitoc}%
5700     {\string\mtcsetfeature \space has a wrong first argument
5701     \MessageBreak
5702     (#1).
5703     \MessageBreak
5704     It should be a mini-table type
5705     \MessageBreak
5706     (parttoc...sectlot)}%
5707     {Correct the source code.
5708     \MessageBreak
5709     Type <return> and rerun LaTeX}
5710 \else
5711   \edef\mtc@mtfeat@abbrev{\@nameuse{mtc@ltypetable@#1}}
5712 \fi
```

`\if@mtc@setfeature@` The second argument is a keyword of the `featureparam` family, the result is stored in  
`\mtc@featparam@abbrev` `\mtc@featparam@`; and the complement is computed from the first argument, interpreted  
`\mtc@featparam@third` as a keyword of the `ft3` family and whose result is stored in `\mtc@featparam@third`.  
`\@nameuse`

E0012

```
5713 \expandafter\ifx\csname mtc@featureparam@#2\endcsname\relax
5714   \@mtc@setfeature@false
5715   \def\mtc@featparam@abbrev{X}
5716   \def\mtc@featparam@third{X}
5717   \mtcPackageError[E0012]{minitoc}%
5718     {\string\mtcsetfeature \space has a wrong second argument
```

```

5719     \MessageBreak
5720     (#2).
5721     \MessageBreak
5722     It should be a feature param
5723     \MessageBreak
5724     (before, after, open, close, pagestyle)}%
5725     {Correct the source code.
5726     \MessageBreak
5727     Type <return> and rerun LaTeX}
5728 \else
5729   \edef\mtc@featparam@abbrev{\@nameuse{mtc@featureparam@#2}}
5730   \edef\mtc@featparam@third{\@nameuse{mtc@ft3@#2}}
5731 \fi

```

`\if@mtc@setfeature@` The name of the effective macro is built by concatenating these three pieces (named `\mtc@featparam@abbrev`, `\mtc@mtfeat@abbrev`, and `\mtc@featparam@third` respectively), then this macro is executed:

I0014  
E0023

```

\mtc@featparam@abbrev
\mtc@mtfeat@abbrev
\mtc@featparam@third
5732 \if@mtc@setfeature@
5733   \def\mtc@tmpfeat@name%
5734     {\mtc@featparam@abbrev\mtc@mtfeat@abbrev\mtc@featparam@third}%
5735     \mtc@toks{#3}}%
5736   \mtcPackageInfo[I0014]{minitoc}%
5737   {\string\mtcsetfeature\space redefines the macro
5738   \MessageBreak
5739   "\csname mtc@tmpfeat@name\endcsname" as
5740   \MessageBreak
5741   "\the\mtc@toks"}%
5742   \expandafter\edef\csname\mtc@tmpfeat@name\endcsname{\the\mtc@toks}%
5743 \else
5744   \mtcPackageError[E0023]{minitoc}%
5745   {The macro \string\mtcsetfeature\space has incompatible
5746   \MessageBreak
5747   first (#1) and second (#2) arguments}%
5748   {Correct the source code.
5749   \MessageBreak
5750   Type <return> and rerun LaTeX}
5751 \fi}

```

### 9.67.9 The `\mtcsetdepth` command

This command is very similar to the `\mtcsettitle` command. Its syntax is almost identical:

```
\mtcsetdepth{mini-table}{depth}
```

The *mini-table* type is a keyword like `minitoc`. The *depth* is the depth for a mini-table. If it is a mini-table for a list of figures or tables, the corresponding depth counter *must be available*, i.e., must have been created (often by an adequate package, like the `subfig` package [132]).



`\if@mtc@setdepth@` First, we declare a flag, set true:

```
5752 \newif\if@mtc@setdepth@\@mtc@setdepth@true
```

`\mtcsetdepth` Then we define the `\mtcsetdepth` command, with two arguments:

```
5753 \newcommand{\mtcsetdepth}[2]{%
```

`\mtc@mtade@abbrev` We process the first argument, a keyword of the `ltypetable` family. The result is stored in `\mtc@mtade@abbrev`: E0009

`\if@mtc@setdepth@`

`\@nameuse`

```
5754 \def\mtc@mtade@abbrev{X}
5755 \@mtc@setdepth@true
5756 \expandafter\ifx\csname mtc@ltypetable@#1\endcsname\relax
5757   \@mtc@setdepth@false
5758   \def\mtc@mtade@abbrev{X}
5759   \mtcPackageError[E0009]{minitoc}%
5760     {\string\mtcsetdepth \space has a wrong first argument
5761       \MessageBreak
5762       (#1).
5763       \MessageBreak
5764       It should be a mini-table type
5765       \MessageBreak
5766       (parttoc...sectlot)}%
5767     {Correct the source code.
5768       \MessageBreak
5769       Type <return> and rerun LaTeX}
5770 \else
5771   \edef\mtc@mtade@abbrev{\@nameuse{mtc@ltypetable@#1}}
5772 \fi
```

`\if@mtc@setdepth@` And we construct the name of the effective counter and gave it the value:

`\mtc@tmpde@name`

`\mtc@mtade@abbrev`

```
5773 \if@mtc@setdepth@
5774   \mtc@toks \def\mtc@tmpde@name{\mtc@mtade@abbrev depth}
5775   \setcounter \expandafter\noexpand\@ifundefined{c@\mtc@mtade@abbrev depth}%
5776     {\mtcPackageError[E0008]{minitoc}%
5777       {\string\mtcsetdepth \space attempts to use
5778         \MessageBreak
5779         an undefined counter (#1depth).}%
5780       {Correct the source code.
5781         \MessageBreak
5782         Type <return> and rerun LaTeX}}%
5783   \mtc@toks{#2} % trick for explicit message using \the.
5784   \mtcPackageInfo[I0013]{minitoc}%
5785     {\string\mtcsetdepth\space redefines the counter
5786       \MessageBreak
5787       "\mtc@tmpde@name" as "\the\mtc@toks"}%
5788   \expandafter\csname c@\mtc@tmpde@name\endcsname=#2}%
5789 \else
```

E0008

I0013

E0010

```

5790 \mtcPackageError[E0010]{minitoc}%
5791   {\string\mtcsetdepth:\space Illegal type of table (#1)}%
5792   {Correct the source code.
5793   \MessageBreak
5794   Type <return> and rerun LaTeX}{\relax}%
5795 \fi}% end of \mtcsetdepth

```

### 9.67.10 The `\mtcsetoffset` command

This command is very similar to the `\mtcsettitle` command. Its syntax is almost identical:

```
\mtcsetoffset{mini-table}{value}
```

The *mini-table* type is a keyword like `minitoc`. The *value* is the offset value for a mini-table.

`\if@mtc@setoffset@` First, we declare a flag, set true:

```
5796 \newif\if@mtc@setoffset@\@mtc@setoffset@true
```

`\mtcsetoffset` Then we define the `\mtcsetoffset` command, with two arguments:

```
5797 \newcommand{\mtcsetoffset}[2]{%
```

`\mtc@mtaof@abbrev` We process the first argument, a keyword of the `typetable` family. The result is stored in `\mtc@mtaof@abbrev`.  
`\if@mtc@setoffset@` `\mtc@mtaof@abbrev`:  
`\@nameuse`

E0042

```

5798 \def\mtc@mtaof@abbrev{X}
5799 \@mtc@setoffset@true
5800 \expandafter\ifx\csname mtc@typetable@#1\endcsname\relax
5801   \@mtc@setoffset@false
5802   \def\mtc@mtaof@abbrev{X}
5803   \mtcPackageError[E0042]{minitoc}%
5804     {\string\mtcsetoffset \space has a wrong first argument
5805     \MessageBreak
5806     (#1).
5807     \MessageBreak
5808     It should be a mini-table type
5809     \MessageBreak
5810     (parttoc...sectlot)}%
5811     {Correct the source code.
5812     \MessageBreak
5813     Type <return> and rerun LaTeX}
5814 \else
5815   \edef\mtc@mtaof@abbrev{\@nameuse{mtc@typetable@#1}}
5816 \fi

```

```

\if@mtc@setoffset@ And we construct the name of the effective offset and gave it the value:
  \mtc@tmpof@name
\mtc@mtaof@abbrev 5817 \if@mtc@setoffset@
  \mtc@toks 5818   \def\mtc@tmpof@name{\mtc@mtaof@abbrev offset.}
  \setcounter 5819   \expandafter\noexpand\@ifundefined{\mtc@mtaof@abbrev offset}%
  5820     {\mtcPackageError[E0041]{minitoc}%
  5821      {\string\mtcsetoffset \space attempts to use
  5822       \MessageBreak
  5823        an undefined offset (\mtc@mtaof@abbrev offset).}%
  5824      {Correct the source code.
  5825       \MessageBreak
  5826       Type <return> and rerun LaTeX}}{%
  5827   \mtc@toks{#2} % trick for explicit message using \the.
  5828   \mtcPackageInfo[I0052]{minitoc}%
  5829   {\string\mtcsetoffset\space redefines
  5830    \MessageBreak
  5831    "\mtc@mtaof@abbrev offset" as "\the\mtc@toks"}}%
  5832   \expandafter\def\csname \mtc@mtaof@abbrev offset\endcsname{#2}}%
  5833 \else
  5834   \mtcPackageError[E0043]{minitoc}%
  5835   {\string\mtcsetoffset:\space Illegal type of table (#1)}%
  5836   {Correct the source code.
  5837    \MessageBreak
  5838    Type <return> and rerun LaTeX}{\relax}%
  5839 \fi}% end of \mtcsetoffset

```

E0041

I0052

E0043

## 9.68 Polymorphic entries

`\mtcpolymtoc` A toc entry should be able to have variants when it appears in the normal text (like the mandatory argument of a sectioning command), in a page header or in the main TOC (like the optional argument of a sectioning command), in a minitable (parttoc, minitoc or secttoc).
  
`\DeclareRobustCommand` Similar behaviour should be available for entries in the LOF or the LOT. So we define three commands to be used inside the optional argument of a sectioning command or of `\caption` for a figure or a table. These commands must be robust (because used in optional arguments) and have 4 arguments: (1) the variant to appear in a parttoc (or partlof or partlof), (2) the variant to appear in a minitoc (or minilof or minilof), (3) the variant to appear in a secttoc (or sectlof or sectlof). (4) the variant to appear in the main TOC (or LOF or LOT). The variant to appear locally as title of the sectioning unit or as local caption of the figure or table is the mandatory argument of the sectioning command or of the caption command (see section 1.4.13 on page 46). We use the `\ifin...` flags.

```

5840 \DeclareRobustCommand{\mtcpolymtoc}[4]{%
5841   \ifinparttoc\relax{#1}%
5842   \else\ifinminitoc\relax{#2}%
5843     \else\ifinsecttoc\relax{#3}%
5844       \else\relax{#4}
5845     \fi
5846   \fi
5847 }

```



```

\mtcpolymlof For entries of the list of figures:
\DeclareRobustCommand
\ifinpartlof 5848 \DeclareRobustCommand{\mtcpolymlof}[4]{%
\ifinminilof 5849     \ifinpartlof\relax{#1}%
\ifinsectlof 5850     \else\ifinminilof\relax{#2}%
                    5851         \else\ifinsectlof\relax{#3}%
                    5852             \else\relax{#4}
                    5853             \fi
                    5854         \fi
                    5855     \fi}

```

```

\mtcpolymlot For entries of the list of tables:
\DeclareRobustCommand
\ifinpartlot 5856 \DeclareRobustCommand{\mtcpolymlot}[4]{%
\ifinminilot 5857     \ifinpartlot\relax{#1}%
\ifinsectlot 5858     \else\ifinminilot\relax{#2}%
                    5859         \else\ifinsectlot\relax{#3}%
                    5860             \else\relax{#4}
                    5861             \fi
                    5862         \fi
                    5863     \fi}

```

## 9.69 The mtchideinmaintoc environment and siblings

`\if@mtc@Himtoc@` The flag `\if@mtc@Himtoc@` is used to detect an incorrect imbrication of this environment:

```
5864 \newif\if@mtc@Himtoc@ \@mtc@Himtoc@false
```

```

\mtc@savetocdepth We define a macro \mtc@savetocdepth to save the current value of the counter tocdepth.
\mtc@restoretocdepth Then we define this environment, which inserts into the TOC file this command and commands
mtchideinmaintoc of the form \setcounter{tocdepth}{...}. Note that \xdef is necessary! It also save and
\if@mtc@Himtoc@ restore the value of the counter tocdepth, as the optional argument is the hiding depth of the
\mtc@sv@tocdepth entries in the main TOC.
\arabic
\addtocontents 5865 \newcommand{\mtc@savetocdepth}{\xdef\mtc@sv@tocdepth{\arabic{tocdepth}}}%
\setcounter 5866 \newcommand{\mtc@restoretocdepth}{\setcounter{tocdepth}{\mtc@sv@tocdepth}}%
5867 \newenvironment{mtchideinmaintoc}[1][-1]%
5868 { \if@mtc@Himtoc@\mtcPackageError[E0005]{minitoc}%
5869     {Imbrication of mtchideinmaintoc environments}%
5870     {The hiding in main ToC could be incorrect}\fi
5871 \global\@mtc@Himtoc@true
5872 \addtocontents{toc}{\protect\mtc@savetocdepth}%
5873 \addtocontents{toc}{\protect\setcounter{tocdepth}{#1}}}%
5874 { \if@mtc@Himtoc@\else\mtcPackageError[E0031]{minitoc}%
5875     {Unbalanced mtchideinmaintoc environment}%

```

E0005

E0031

```

5876   {The hiding in main ToC could be incorrect}\fi
5877   \global\@mtc@Himtoc@false
5878   \addtocontents{toc}{\protect\mtc@restoretocdepth}}%

```

`\AtBeginDocument` The `mtchideinmainlof` and `mtchideinmainlot` environments are similar, but we must verify the presence of the associated depth counter, so we have two versions of each of these environments. This must be done *after* the loading of the packages.

```

\mtc@savelofdepth
  \empty First, for the list of figures:
\mtc@sv@lofdepth
\mtc@sv@tocdepth 5879 \newif\if@mtc@Himlof@ \@mtc@Himlof@false
\mtc@svf@tocdepth 5880 \AtBeginDocument{%
  \arabic 5881 \@ifundefined{c@lofdepth}{%
\addtocontents 5882   \providecommand{\mtc@savelofdepth}{\empty}
  \setcounter 5883   \newenvironment{mtchideinmainlof}[1][-1]%
    5884   {\if@mtc@Himlof@\mtcPackageError[E0003]{minitoc}%
    5885     {Imbrication of mtchideinmainlof environments}%
    5886     {The hiding in main LoF could be incorrect}\fi
    5887     \global\@mtc@Himlof@true
    5888     \def\mtc@sv@tocdepth{\arabic{tocdepth}}%
    5889     \def\mtc@sv@lofdepth{\arabic{tocdepth}}%
    5890     \addtocontents{lof}{\protect\mtc@savetocdepth}%
    5891     \addtocontents{lof}{\protect\setcounter{tocdepth}{#1}}}%
    5892     {\if@mtc@Himlof@\else\mtcPackageError[E0029]{minitoc}%
    5893       {Unbalanced mtchideinmainlof environment}%
    5894       {The hiding in main LoF could be incorrect}\fi
    5895     \global\@mtc@Himlof@false
    5896     \addtocontents{lof}{\protect\mtc@restoretocdepth}%
    5897   }}%
    5898   %
    5899   \newcommand{\mtc@savelofdepth}{\xdef\mtc@sv@lofdepth{\arabic{lofdepth}}}%
    5900   \newcommand{\mtc@restorelofdepth}{\setcounter{lofdepth}{\mtc@sv@lofdepth}}%
    5901   \newenvironment{mtchideinmainlof}[1][-1]%
    5902   {\if@mtc@Himlof@\mtcPackageError[E0003]{minitoc}%
    5903     {Imbrication of mtchideinmainlof environments}%
    5904     {The hiding in main LoF could be incorrect}\fi
    5905     \global\@mtc@Himlof@true
    5906     \addtocontents{lof}{\protect\mtc@savelofdepth}%
    5907     \addtocontents{lof}{\protect\setcounter{tocdepth}{#1}}}%
    5908     {\if@mtc@Himlof@\else\mtcPackageError[E0029]{minitoc}%
    5909       {Unbalanced mtchideinmainlof environment}%
    5910       {The hiding in main LoF could be incorrect}\fi
    5911     \global\@mtc@Himlof@false
    5912     \addtocontents{lof}{\protect\mtc@restoretocdepth}}}}

```

E0003

E0029

```

\AtBeginDocument Then for the list of tables:
  \if@mtc@Himlot@
mtchideinmainlot 5913 \newif\if@mtc@Himlot@ \@mtc@Himlot@false
\mtc@savelotdepth 5914 \AtBeginDocument{%
  \empty 5915 \@ifundefined{c@lotdepth}{%
\mtc@sv@lotdepth
\mtc@sv@tocdepth
\mtc@svt@tocdepth
  \arabic
  \addtocontents
  \setcounter

```

E0004

E0030

```

5916 \providecommand{\mtc@savelotdepth}{\empty}
5917 \newenvironment{mtchideinmainlot}[1][-1]%
5918 {\if@mtc@Himlot@\mtcPackageError[E0004]{minitoc}%
5919   {Imbrication of mtchideinmainlot environments}%
5920   {The hiding in main LoT could be incorrect}\fi
5921 \global\@mtc@Himlot@true
5922 \def\mtc@sv@tocdepth{\arabic{tocdepth}}%
5923 \def\mtc@sv@lotdepth{\arabic{tocdepth}}%
5924 \addtocontents{lot}{\protect\mtc@savetocdepth}%
5925 \addtocontents{lot}{\protect\setcounter{tocdepth}{#1}}}%
5926 {\if@mtc@Himlot@\else\mtcPackageError[E0030]{minitoc}%
5927   {Unbalanced mtchideinmainlot environment}%
5928   {The hiding in main LoT could be incorrect}\fi
5929 \global\@mtc@Himlot@false
5930 \addtocontents{lot}{\protect\mtc@restoretocdepth}%
5931 }}%
5932 {%
5933 \newcommand{\mtc@savelotdepth}{\xdef\mtc@sv@lotdepth{\arabic{lotdepth}}}%
5934 \newcommand{\mtc@restorelotdepth}{\setcounter{lotdepth}{\mtc@sv@lotdepth}}%
5935 \newenvironment{mtchideinmainlot}[1][-1]%
5936 {\if@mtc@Himlot@\mtcPackageError[E0004]{minitoc}%
5937   {Imbrication of mtchideinmainlot environments}%
5938   {The hiding in main LoT could be incorrect}\fi
5939 \global\@mtc@Himlot@true
5940 \addtocontents{lot}{\protect\mtc@savelotdepth}%
5941 \addtocontents{lot}{\protect\setcounter{tocdepth}{#1}}}%
5942 {\if@mtc@Himlot@\else\mtcPackageError[E0030]{minitoc}%
5943   {Unbalanced mtchideinmainlot environment}%
5944   {The hiding in main LoT could be incorrect}\fi
5945 \global\@mtc@Himlot@false
5946 \addtocontents{lot}{\protect\mtc@restoretocdepth}}}}

```

## 9.70 Fixing the “Glossary” entry in the TOC

This macro is complex. Its syntax is:

```
\mtcfixglossary[part | chapter | section]
```

`\@ifundefined` Depending on the document class, the “Glossary” entry in the TOC is treated as a starred chapter or a starred section. Hence we must first determine the default value of the optional `\mtc@glofix@level` argument. The default value is then stored in the macro `\mtc@glofix@level`. This is done by the following code, which eventually gives a warning message:

```

5947 \@ifundefined{chapter}{%
5948   \@ifundefined{section}%
5949   {\mtcPackageWarningNoLine[W0001]{minitoc}%
5950   {\string\chapter\space and \string\section\space are undefined.%

```

W0001
E0001
W0006

```

5951     \MessageBreak
5952     Cannot use \string\mtcfixglossary \space without
5953     \MessageBreak
5954     optional argument [part]]%
5955     \@ifundefined{part}%
5956     {\mtcPackageError[E0001]{minitoc}%
5957      {But \string\part\space is undefined}%
5958      {\string\mtcfixglossary\space not usable}}%
5959     {\mtcPackageWarningNoLine[W0006]{minitoc}%
5960      {\string\mtcfixglossary\space can only be used
5961       \MessageBreak
5962       with the [part] optional argument,
5963       \MessageBreak
5964       which becomes the default}%
5965     \def\mtc@glofix@level{part}%
5966     }}%
5967     {\def\mtc@glofix@level{section}}}%
5968 {\def\mtc@glofix@level{chapter}}

```

\if@mtcfixglossary@ Then we define a flag (\if@mtcfixglossary@) and the command \mtcfixglossary, which adds the necessary lines in the TOC, the LOF and the LOT. E0026

```

\mtcfixglossary
\addcontentsline
5969 \newif\if@mtcfixglossary@ \@mtcfixglossary@false
5970 \newcommand{\mtcfixglossary}[1][\mtc@glofix@level]{%
5971   \@mtcfixglossary@false
5972   \expandafter%
5973   \ifx\csname #1\endcsname\part\relax\@mtcfixglossary@true\fi
5974   \expandafter%
5975   \ifx\csname #1\endcsname\chapter\relax\@mtcfixglossary@true\fi
5976   \expandafter%
5977   \ifx\csname #1\endcsname\section\relax\@mtcfixglossary@true\fi
5978   \if@mtcfixglossary@
5979   \addcontentsline{lof}{x\mtc@glofix@level}{}%
5980   \addcontentsline{lot}{x\mtc@glofix@level}{}%
5981   \csname mtcadd\mtc@glofix@level\endcsname\relax
5982   \else
5983   \mtcPackageError[E0026]{minitoc}%
5984     {The optional argument of \string\mtcfixglossary
5985     \MessageBreak
5986     is wrong}%
5987     {It must be omitted (\mtc@glofix@level), or be part, chapter or section}%
5988   \fi
5989 }%

```

## 9.71 Fixing the “Index” entry in the TOC

This macro is complex. Its syntax is:

```
\mtcfixindex[part|chapter|section]
```

`\@ifundefined` Depending on the document class, the “Index” entry in the TOC is treated as a starred chapter or a starred section. Hence we must first determine the default value of the optional argument. The default value is then stored in the macro `\mtc@ixfix@level`. This is done by the following code, which eventually gives a warning message:

W0002  
W0007  
E0002

```
5990 \@ifundefined{chapter}{%
5991   \@ifundefined{section}%
5992     {\mtcPackageWarningNoLine[W0002]{minitoc}%
5993      {\string\chapter\space and \string\section\space are undefined.%
5994       \MessageBreak
5995        Cannot use \string\mtcfixindex \space without
5996         \MessageBreak
5997          optional argument [part]}}%
5998   \@ifundefined{part}%
5999     {\mtcPackageError[E0002]{minitoc}%
6000      {But \string\part\space is undefined}%
6001      {\string\mtcfixindex\space not usable}}%
6002   {\mtcPackageWarningNoLine[W0007]{minitoc}%
6003    {\string\mtcfixindex\space can only be used with
6004     \MessageBreak
6005      the [part] optional argument,
6006     \MessageBreak
6007      which becomes the default}}%
6008   \def\mtc@ixfix@level{part}%
6009   }%
6010   {\def\mtc@ixfix@level{section}}}%
6011 {\def\mtc@ixfix@level{chapter}}
```

`\if@mtcfixindex@` Then we define a flag and the command `\mtcfixindex`, which adds the necessary lines in the TOC, the LOF and the LOT.

E0027

```
\mtcfixindex
\addcontentsline

6012 \newif\if@mtcfixindex@ \@mtcfixindex@false
6013 \newcommand{\mtcfixindex}[1][\mtc@ixfix@level]{%
6014   \@mtcfixindex@false
6015   \expandafter%
6016   \ifx\csname #1\endcsname\part\relax\@mtcfixindex@true\fi
6017   \expandafter%
6018   \ifx\csname #1\endcsname\chapter\relax\@mtcfixindex@true\fi
6019   \expandafter%
6020   \ifx\csname #1\endcsname\section\relax\@mtcfixindex@true\fi
6021   \if@mtcfixindex@
6022   \addcontentsline{lof}{x\mtc@ixfix@level}{}}%
```

```

6023 \addcontentsline{lot}{x\mtc@ixfix@level}{}%
6024 \csname mtcadd\mtc@ixfix@level\endcsname\relax
6025 \else
6026 \mtcPackageError[E0027]{minitoc}%
6027   {The optional argument of \string\mtcfixindex
6028     \MessageBreak
6029     is wrong}%
6030   {It must be omitted (\mtc@ixfix@level), or be part, chapter or section}%
6031 \fi
6032 }%

```

## 9.72 Fixing the “Nomenclature” entry in the TOC

This macro is complex. Its syntax is:

```
\mtcfixnomenclature[part|chapter|section]
```

`\@ifundefined` Depending on the document class, the “Nomenclature” entry<sup>15</sup> in the TOC is treated as a  
`\mtc@nomenclfix@level` starred chapter or a starred section. Hence we must first determine the default value of the  
 optional argument. The default value is then stored in the macro `\mtc@nomenclfix@level`.  
 This is done by the following code, which eventually gives a warning message:

W0095

E0039

W0096

```

6033 \@ifundefined{chapter}{%
6034   \@ifundefined{section}%
6035     {\mtcPackageWarningNoLine[W0095]{minitoc}%
6036       {\string\chapter\space and \string\section\space are undefined.%
6037         \MessageBreak
6038         Cannot use \string\mtcfixnomenclature \space without
6039         \MessageBreak
6040         optional argument [part]}%
6041       \@ifundefined{part}%
6042         {\mtcPackageError[E0039]{minitoc}%
6043           {But \string\part\space is undefined}%
6044           {\string\mtcfixnomclature\space not usable}}%
6045         {\mtcPackageWarningNoLine[W0096]{minitoc}%
6046           {\string\mtcfixnomenclature\space can only be used with
6047             \MessageBreak
6048             the [part] optional argument,
6049             \MessageBreak
6050             which becomes the default}%
6051           \def\mtc@nomenclfix@level{part}%
6052         }%
6053       {\def\mtc@nomenclfix@level{section}}}%
6054 {\def\mtc@nomenclfix@level{chapter}}

```

<sup>15</sup>If you are using the `nomencl` package [456] or `nomentbl` package [161] (`nomencl` calls `nomentbl`).

```

\if@mtcfixnomclature@ Then we define a flag and the command \mtcfixnomenclature, which adds the necessary
\mtcfixnomenclature lines in the TOC, the LOF and the LOT.
\addcontentsline

6055 \newif\if@mtcfixnomenclature@ \@mtcfixnomenclature@false
6056 \newcommand{\mtcfixnomenclature}[1][\mtc@nomenclfix@level]{%
6057   \@mtcfixnomenclature@false
6058   \expandafter%
6059   \ifx\csname #1\endcsname\part\relax\@mtcfixnomenclature@true\fi
6060   \expandafter%
6061   \ifx\csname #1\endcsname\chapter\relax\@mtcfixnomenclature@true\fi
6062   \expandafter%
6063   \ifx\csname #1\endcsname\section\relax\@mtcfixnomenclature@true\fi
6064   \if@mtcfixnomenclature@
6065   \addcontentsline{lof}{x\mtc@nomenclfix@level}}}%
6066   \addcontentsline{lot}{x\mtc@nomenclfix@level}}}%
6067   \csname mtcadd\mtc@nomenclfix@level\endcsname\relax
6068   \else
6069   \mtcPackageError[E0040]{minitoc}%
6070     {The optional argument of \string\mtcfixnomenclature
6071     \MessageBreak
6072     is wrong}%
6073     {It must be omitted (\mtc@nomenclfix@level), or be part, chapter or section}%
6074   \fi
6075 }%

```

E0040

### 9.73 The \mtcselectlanguage command

```

\mtcselectlanguage This command loads a minitoc language definition file language.mld to set the language-
\if@mtc@insellang@ dependent titles for the mini-tables. But first, we verify that this file exists. The flag
\IfFileExists \if@mtc@insellang@ is true while we are in this macro.
\@input

6076 \newif\if@mtc@insellang@ \@mtc@insellang@false
6077 \def\mtcselectlanguage#1{%
6078   \@mtc@insellang@true
6079   \InputIfFileExists{#1.mld}%
6080   {\mtcPackageInfo[I0010]{minitoc}{The #1 language is selected.%
6081     \MessageBreak
6082   }}%
6083   {\mtcPackageError[E0006]{minitoc}%
6084     {#1 is not a known language,
6085     \MessageBreak
6086     #1.mld not found.
6087     \MessageBreak
6088     Command ignored}%
6089     {See the minitoc documentation.
6090     \MessageBreak
6091     Correct the source using a valid language name.
6092     \MessageBreak
6093     Press RETURN}}}%

```

I0010

E0006

```
6094   \@mtc@insellang@false
6095 }
```

## 9.74 The `\mtcloadmlo` internal command

`\mtcloadmlo` This command loads a minitoc language object file *language.mlo* to set the language-dependent titles for the mini-tables when exotic characters are needed. This command is used only in some `.mld` files when the title strings can not be generated by the normal processing of `minitoc.dtx`. The `.mlo` files are generated by `filecontents` environments in the `minitoc.ins` file. But first, we verify that this `.mlo` file exists.

*This command should not be invoked directly by the user. This is verified via the flag `\if@mtc@insellang@`.*

```
6096 \def\mtcloadmlo#1{%
6097   \if@mtc@insellang@
6098     \InputIfFileExists{#1.mlo}%
6099     {\mtcPackageInfo[I0011]{minitoc}%
6100      {#1 minitoc language object selected.
6101       \MessageBreak}}%
6102     {\mtcPackageError[E0007]{minitoc}%
6103      {#1 is not a known minitoc
6104       \MessageBreak
6105       language object file (.mlo),
6106       \MessageBreak
6107       #1.mlo not found.
6108       \MessageBreak
6109       Command ignored}%
6110      {See the minitoc documentation.
6111       \MessageBreak
6112       Correct the source using a valid language name.
6113       \MessageBreak
6114       Press RETURN}}%
6115   \else
6116     \mtcPackageError[E0032]{minitoc}%
6117     {You are using the \string\mtcloadmlo\space command
6118      \MessageBreak
6119      outside of a .mld file}%
6120     {It will be ignored}
6121     \@mtc@insellang@false
6122   \fi}
```



I0011
E0007
E0032

## 9.75 The “coffee breaks”

`\addcoffeeline` For the minutes package [300] (by Knut LICKERT), we need some commands to insert special entries, undotted, in the TOC to mark “coffee breaks” ☕ in a conference. Hence we

```
\addtocontents
  \coffeeline
    \l@coffee
\@Undottedtocline
```



define `\addcoffeeline`, `\coffeeline` and `\l@coffee`, and internal commands analog to the standard internal commands to format the TOC.

```
6123 \def\addcoffeeline#1#2#3{%
6124   \addtocontents{#1}{\protect\coffeeline{#2}{#3}{\null}}
6125 \def\coffeeline#1{\csname l@#1\endcsname}
6126 \newcommand*\l@coffee{\@Undottedtocline{1}{1.5em}{2.3em}}
```

## 9.76 Initialization of counters

`\AtBeginDocument` At the beginning of the document, we initialize the absolute counters for parts, chapters and sections, if they are defined.  
`\ifundefined`  
`\setcounter`

```
6127 \AtBeginDocument{%
6128   \@ifundefined{c@ptc}{}{\setcounter{ptc}{0}}
6129   \@ifundefined{c@mtc}{}{\setcounter{mtc}{0}}
6130   \@ifundefined{c@stc}{}{\setcounter{stc}{0}}}
```

## 9.77 Declarations for simple options

These options are just setting a flag.

### 9.77.1 Options `tight` and `loose`, `k-tight` and `k-loose`

`\DeclareOption` These options influence the interline separation in the mini-tables.  
`\iftightmtc`  
`\ifktightmtc`

```
6131 \DeclareOption{tight}{\tightmtctrue}
6132 \DeclareOption{loose}{\tightmtcfalse} % default
6133 \DeclareOption{k-tight}{\ktightmtctrue}
6134 \DeclareOption{k-loose}{\ktightmtcfalse} % default
```

### 9.77.2 Options `checkfiles` and `nocheckfiles`

`\DeclareOption` These options activate or inhibit the checking for empty mini-table files.  
`\if@mtc@checkfiles`

```
6135 \DeclareOption{checkfiles}{\@mtc@checkfilestrue} % default
6136 \DeclareOption{nocheckfiles}{\@mtc@checkfilesfalse}
```

### 9.77.3 Options dotted and undotted

`\DeclareOption` These options activate or inhibit the leaders (lines of dots) in the mini-tables.  
`\ifundottedmtc`

```
6137 \DeclareOption{undotted}{\undottedmtctrue}
6138 \DeclareOption{dotted}{\undottedmtcfalse} % default
```

### 9.77.4 Option notoccite

`\DeclareOption` This option will later load the notoccite package [14].  
`\if@mtc@notoccite@`

```
6139 \DeclareOption{notoccite}{\@mtc@notoccite@true}
```

### 9.77.5 Option shorttext

`\DeclareOption` This option forces the use of short extensions.  
`\if@mtc@longext@`

```
6140 \DeclareOption{shorttext}{%
6141   \@mtc@longext@false
6142   \mtcPackageWarningNoLine[W0020]{minitoc}%
6143   {You have forced the use of short extensions}}
```

W0020

## 9.78 The insection option

`\if@mtc@ss@insection@` This option is available only if `\chapter` is not defined and `\section` defined. It is to be revised when chapter/section level commands will ever be allowed together, sometime in the far away future, with a lot of luck (and work)<sup>16</sup>.  
`\ifundefined`  
`\DeclareOption`

E0035

```
6144 \newif\if@mtc@ss@insection@ \@mtc@ss@insection@false
6145 \@ifundefined{chapter}{%
6146   \@ifundefined{section}{\DeclareOption{insection}{%
6147     \mtcPackageError[E0035]{minitoc}%
6148     {You have used the 'insection' option in
6149       \MessageBreak
6150       a document where chapters are defined.
6151       \MessageBreak
6152       This is not compatible: option ignored.}%
6153     {Remove this option.
6154       \MessageBreak
6155       Type <return> and rerun LaTeX}}
```

<sup>16</sup>Please, do not dream too much!

```

6156         }}%
6157     {%
6158         \DeclareOption{insection}%
6159         {@mtc@ss@insection@true}%
6160     }%
6161 }}{}

```

## 9.79 The listfiles and nolistfiles options

`\if@mtc@listfiles@` The `listfiles` option creates a file containing a list of the auxiliary files created by the minitoc package. This is the default. This file is named `document.maf`. The `nolistfiles` option inhibits this listing.

```

6162 \newif\if@mtc@listfiles@ \@mtc@listfiles@true
6163 \DeclareOption{listfiles}{\@mtc@listfiles@true}
6164 \DeclareOption{nolistfiles}{\@mtc@listfiles@false}

```

## 9.80 Language options

`\@gobblethree` First, we define an utility macro (`\@gobblethree`), a list of the missing files (accumulated in the `\mtc@listmisslanguages` macro), and a macro (`\mtc@admisslanguage`) to add a file name to the list:

```

\mtc@listmisslanguages
\mtc@admisslanguage
\mtc@LML
\MessageBreak
6165 \def\@gobblethree#1#2#3{\empty}
6166 \def\mtc@listmisslanguages{}
6167 \def\mtc@admisslanguage#1{%
6168     \let\mtc@LML\mtc@listmisslanguages
6169     \edef\mtc@listmisslanguages{\mtc@LML \MessageBreak #1}}

```

`\if@mtc@misslang` Before defining a language option, we must verify that the corresponding `.mld` file exists, and, if necessary, that the corresponding `.mlo` file exists. Hence, we must first define a flag `\mtc@setlangopt` and two macros to test the presence of these files; if the files are available, we define the language option.

```

\DeclareOption
\mtc@admisslanguage
\mtcPackageWarningNoLine
6170 \newif\if@mtc@misslang\@mtc@misslangfalse
6171 \newcommand{\mtc@setlangopt}[1]{%
6172     \IfFileExists{#1.mld}%
6173     {\DeclareOption{#1}{\mtcselectlanguage{#1}}}%
6174     {\@mtc@misslangtrue \mtc@admisslanguage{#1.mld}}
6175     \mtcPackageInfo[I0050]{minitoc}%
6176     {The required "#1.mld" file is missing.
6177     \MessageBreak
6178     The "#1" language option will not be available.

```

I0050

I0051

```

6179         \MessageBreak
6180         Please install it from a recent distribution
6181         \MessageBreak
6182         or from the CTAN archives\@gobble}}%
6183 }%
6184 \newcommand{\mtc@setlangopto}[1]{%
6185   \IfFileExists{#1.mlo}%
6186   {\mtc@setlangopt{#1}}%
6187   {\@mtc@misslangtrue \mtc@addmisslanguage{#1.mlo}
6188     \mtcPackageInfo[I0051]{minitoc}%
6189     {The required "#1.mlo" file is missing.
6190       \MessageBreak
6191       The "#1" language option will not be available.
6192       \MessageBreak
6193       Please install it from a recent distribution
6194       \MessageBreak
6195       or from the CTAN archives\@gobble}}%
6196   \IfFileExists{#1.mld}}}%
6197   {\@mtc@misslangtrue
6198     \mtc@addmisslanguage{#1.mld}
6199     \mtcPackageInfo[I0050]{minitoc}%
6200     {The required "#1.mld" file is missing.
6201       \MessageBreak
6202       The "#1" language option will not be available.
6203       \MessageBreak
6204       Please install it from a recent distribution
6205       \MessageBreak
6206       or from the CTAN archives\@gobble}}%
6207   }%
6208 }%
6209 }%

```

```

\if@mtc@misslang Some .mld files are mandatory (english.mld because english is the default language), so
\mtc@setlangoptm their absence is a serious error:
  \IfFileExists
  \DeclareOption 6210 \newcommand{\mtc@setlangoptm}[1]{%
\mtcPackageError 6211   \IfFileExists{#1.mld}%
\mtc@addmisslanguage 6212   {\DeclareOption{#1}{\mtcselectlanguage{#1}}}%
6213   {\@mtc@misslangtrue
6214     \mtc@addmisslanguage{#1.mld}
6215     \mtcPackageError[E0038]{minitoc}%
6216     {Your minitoc installation is incomplete.
6217       \MessageBreak
6218       A mandatory minitoc language object file,
6219       \MessageBreak
6220       #1.mld, is not found.
6221       \MessageBreak
6222       We will try to continue with
6223       \MessageBreak
6224       current/default values}%
6225     {See the minitoc documentation.
6226     \MessageBreak

```



```

6227           Please fix your minitoc installation.
6228           \MessageBreak
6229           Press <return> to continue}%

```

```

\providecommand We must define the default titles (english):
  \ptctitle
  \plftitle 6230       \providecommand{\ptctitle}{Table of Contents}%
  \plttitle 6231       \providecommand{\plftitle}{List of Figures}%
  \mtctitle 6232       \providecommand{\plttitle}{List of Tables}%
  \mlftitle 6233       \providecommand{\mtctitle}{Contents}%
  \mlttitle 6234       \providecommand{\mlftitle}{Figures}%
  \stctitle 6235       \providecommand{\mlttitle}{Tables}%
  \slftitle 6236       \providecommand{\stctitle}{Contents}%
  \slttitle 6237       \providecommand{\slftitle}{Figures}%
  \slttitle 6238       \providecommand{\slttitle}{Tables}%
6239 }}%

```

```

\AtEndDocument If a .mld or .mlo file is missing, we signal that at the end of the document, with also the full
\if@mtc@misslang list of the missing language files:
\mtcPackageWarningNoLine
  \MessageBreak 6240 \AtEndDocument{%
\mtc@listmisslanguages 6241   \if@mtc@misslang
  \@gobblethree 6242     \mtcPackageWarningNoLine[W0093]{minitoc}%
6243     {Some "*.mld" or "*.mlo" files are missing
6244     \MessageBreak
6245     in your installation.
6246     \MessageBreak
6247     Search for the I0050 and I0051 info messages
6248     \MessageBreak
6249     in the \string\jobname.log file.
6250     \MessageBreak
6251     The full list of the missing language files
6252     \MessageBreak
6253     is given in the W0094 warning message.
6254     \MessageBreak
6255     Please install the missing files from
6256     \MessageBreak
6257     a recent distribution
6258     \MessageBreak
6259     or from the CTAN archives}%
6260   \mtcPackageWarningNoLine[W0094]{minitoc}%
6261   {Missing minitoc language file(s)\string:
6262   \MessageBreak
6263   \mtc@listmisslanguages\@gobblethree}%
6264   \fi
6265 }%

```

W0093  
W0094

```

\DeclareOption Each language option reads the corresponding language.mld file via the specialized macro
\mtc@setlangopt \mtcselectlanguage, after verification by \mtc@setlangopt or \mtc@setlangopto
\mtc@setlangopto
\mtc@setlangoptm

```

(when a .mlo file is required), by `\mtc@setlangoptm` when the language is mandatory. If the file does not exist, a standard error message is displayed. The language options are (should be) in alphabetical order (to make maintenance easier). Several options could load the same file, but, by convention, there should be a *language.mld* file for each language option, given that this file may load another one (as *american.mld* loads *english.mld*).

```

6266 \mtc@setlangopt{acadian}%
6267 \mtc@setlangopt{acadien}%
6268 \mtc@setlangopt{afrikaan}%
6269 \mtc@setlangopt{afrikaans}%
6270 \mtc@setlangopt{albanian}%
6271 \mtc@setlangopt{american}%
6272 \mtc@setlangopt{arab}%
6273 \mtc@setlangopt{arab2}%
6274 \mtc@setlangopt{arabi}%
6275 \mtc@setlangopt{arabic}%
6276 \mtc@setlangopt{armenian}%
6277 \mtc@setlangopt{australian}%
6278 \mtc@setlangopt{austrian}%
6279 \mtc@setlangopt{bahasa}%
6280 \mtc@setlangopt{bahasai}%
6281 \mtc@setlangopt{bahasam}%
6282 \mtc@setlangopt{bangla}%
6283 \mtc@setlangopt{basque}%
6284 \mtc@setlangopt{bengali}%
6285 \mtc@setlangopt{bicig}%
6286 \mtc@setlangopt{bicig2}%
6287 \mtc@setlangopt{bicig3}%
6288 \mtc@setlangopt{bi the}%
6289 \mtc@setlangopt{brazil}%
6290 \mtc@setlangopt{brazilian}%
6291 \mtc@setlangopt{breton}%
6292 \mtc@setlangopt{british}%
6293 \mtc@setlangopt{bulgarian}%
6294 \mtc@setlangopt{bulgarianb}%
6295 \mtc@setlangopt{buryat}%
6296 \mtc@setlangopt{buryat2}%
6297 \mtc@setlangopt{canadian}%
6298 \mtc@setlangopt{canadien}%
6299 \mtc@setlangopt{castillan}%
6300 \mtc@setlangopt{castillian}%
6301 \mtc@setlangopt{catalan}%
6302 \mtc@setlangopt{chinese1}%
6303 \mtc@setlangopt{chinese2}%
6304 \mtc@setlangopt{croatian}%
6305 \mtc@setlangopt{czech}%
6306 \mtc@setlangopt{danish}%
6307 \mtc@setlangopt{devanagari}%
6308 \mtc@setlangopt{dutch}%
6309 \mtc@setlangoptm{english}%
6310 \mtc@setlangopt{english1}%
6311 \mtc@setlangopt{english2}%
6312 \mtc@setlangopt{esperant}%
6313 \mtc@setlangopt{esperanto}%
6314 \mtc@setlangopt{estonian}%
6315 \mtc@setlangopt{ethiopia}%
6316 \mtc@setlangopt{ethiopian}%
6317 \mtc@setlangopt{ethiopian2}%
6318 \mtc@setlangopto{farsi1}%
6319 \mtc@setlangopto{farsi2}%
6320 \mtc@setlangopt{farsi3}%
6321 \mtc@setlangopt{finnish}%
6322 \mtc@setlangopt{finnish2}%
6323 \mtc@setlangopt{français}%
6324 \mtc@setlangopt{french}%
6325 \mtc@setlangopt{french1}%
6326 \mtc@setlangopt{french2}%
6327 \mtc@setlangopt{frenchb}%
6328 \mtc@setlangopt{frenchle}%
6329 \mtc@setlangopt{frenchpro}%
6330 \mtc@setlangopt{galician}%
6331 \mtc@setlangopt{german}%
6332 \mtc@setlangopt{germanb}%
6333 \mtc@setlangopt{germanb2}%
6334 \mtc@setlangopt{greek}%
6335 \mtc@setlangopt{greek-mono}%
6336 \mtc@setlangopt{greek-polydemo}%
6337 \mtc@setlangopt{greek-polykatha}%
6338 \mtc@setlangopt{guarani}%
6339 \mtc@setlangopto{hangul1}%
6340 \mtc@setlangopto{hangul2}%
6341 \mtc@setlangopto{hangul3}%
6342 \mtc@setlangopto{hangul4}%
6343 \mtc@setlangopto{hangul-u8}%
6344 \mtc@setlangopto{hanja1}%
6345 \mtc@setlangopto{hanja2}%
6346 \mtc@setlangopto{hanja-u8}%
6347 \mtc@setlangopt{hebrew}%
6348 \mtc@setlangopt{hebrew2}%
6349 \mtc@setlangopt{hindi}%
6350 \mtc@setlangopt{hindi-modern}%
6351 \mtc@setlangopt{hungarian}%
6352 \mtc@setlangopt{icelandic}%
6353 \mtc@setlangopt{indon}%
6354 \mtc@setlangopt{indonesian}%
6355 \mtc@setlangopt{interlingua}%
6356 \mtc@setlangopt{irish}%
6357 \mtc@setlangopt{italian}%
6358 \mtc@setlangopt{italian2}%
6359 \mtc@setlangopto{japanese}%

```

```

6360 \mtc@setlangopt{japanese2}%
6361 \mtc@setlangopt{japanese3}%
6362 \mtc@setlangopt{japanese4}%
6363 \mtc@setlangopt{japanese5}%
6364 \mtc@setlangopt{japanese6}%
6365 \mtc@setlangopt{kannada}%
6366 \mtc@setlangopt{khalkha}%
6367 \mtc@setlangopt{latin}%
6368 \mtc@setlangopt{latin2}%
6369 \mtc@setlangopt{latinc}%
6370 \mtc@setlangopt{latinc2}%
6371 \mtc@setlangopt{latvian}%
6372 \mtc@setlangopt{latvian2}%
6373 \mtc@setlangopt{letton}%
6374 \mtc@setlangopt{letton2}%
6375 \mtc@setlangopt{lithuanian}%
6376 \mtc@setlangopt{lithuanian2}%
6377 \mtc@setlangopt{lowersorbian}%
6378 \mtc@setlangopt{lsorbian}%
6379 \mtc@setlangopt{magyar}%
6380 \mtc@setlangopt{magyar2}%
6381 \mtc@setlangopt{magyar3}%
6382 \mtc@setlangopt{malay}%
6383 \mtc@setlangopt{malayalam-b}%
6384 \mtc@setlangopt{malayalam-keli}%
6385 \mtc@setlangopt{malayalam-keli2}%
6386 \mtc@setlangopt{malayalam-mr}%
6387 \mtc@setlangopt{malayalam-omega}%
6388 \mtc@setlangopt{malayalam-rachana}%
6389 \mtc@setlangopt{malayalam-rachana2}%
6390 \mtc@setlangopt{malayalam-rachana3}%
6391 \mtc@setlangopt{manju}%
6392 \mtc@setlangopt{mexican}%
6393 \mtc@setlangopt{meyalu}%
6394 \mtc@setlangopt{mongol}%
6395 \mtc@setlangopt{mongolb}%
6396 \mtc@setlangopt{mongolian}%
6397 \mtc@setlangopt{naustrian}%
6398 \mtc@setlangopt{ngerman}%
6399 \mtc@setlangopt{newzealand}%
6400 \mtc@setlangopt{ngermanb}%
6401 \mtc@setlangopt{ngermanb2}%
6402 \mtc@setlangopt{norsk}%
6403 \mtc@setlangopt{norsk2}%
6404 \mtc@setlangopt{nynorsk}%
6405 \mtc@setlangopt{nynorsk2}%
6406 \mtc@setlangopt{occitan}%
6407 \mtc@setlangopt{occitan2}%
6408 \mtc@setlangopt{polish}%

6409 \mtc@setlangopt{polish2}%
6410 \mtc@setlangopt{polski}%
6411 \mtc@setlangopt{portuges}%
6412 \mtc@setlangopt{portuguese}%
6413 \mtc@setlangopt{romanian}%
6414 \mtc@setlangopt{romanian2}%
6415 \mtc@setlangopt{romanian3}%
6416 \mtc@setlangopt{russian}%
6417 \mtc@setlangopt{russianb}%
6418 \mtc@setlangopt{russianc}%
6419 \mtc@setlangopt{russian2m}%
6420 \mtc@setlangopt{russian2o}%
6421 \mtc@setlangopt{russian-cca}%
6422 \mtc@setlangopt{russian-cca1}%
6423 \mtc@setlangopt{russian-lh}%
6424 \mtc@setlangopt{russian-lhcyralt}%
6425 \mtc@setlangopt{russian-lhcyrkoi}%
6426 \mtc@setlangopt{russian-lhcyrwin}%
6427 \mtc@setlangopt{samin}%
6428 \mtc@setlangopt{scottish}%
6429 \mtc@setlangopt{serbian}%
6430 \mtc@setlangopt{serbianc}%
6431 \mtc@setlangopt{slovak}%
6432 \mtc@setlangopt{slovene}%
6433 \mtc@setlangopt{spanish}%
6434 \mtc@setlangopt{spanish2}%
6435 \mtc@setlangopt{spanish3}%
6436 \mtc@setlangopt{spanish4}%
6437 \mtc@setlangopt{swahili}%
6438 \mtc@setlangopt{swedish}%
6439 \mtc@setlangopt{swedish2}%
6440 \mtc@setlangopt{thai}%
6441 \mtc@setlangopt{turkish}%
6442 \mtc@setlangopt{uighur}%
6443 \mtc@setlangopt{uighur2}%
6444 \mtc@setlangopt{uighur3}%
6445 \mtc@setlangopt{UKenglish}%
6446 \mtc@setlangopt{ukraineb}%
6447 \mtc@setlangopt{ukrainian}%
6448 \mtc@setlangopt{uppersorbian}%
6449 \mtc@setlangopt{USenglish}%
6450 \mtc@setlangopt{usorbian}%
6451 \mtc@setlangopt{vietnam}%
6452 \mtc@setlangopt{vietnamese}%
6453 \mtc@setlangopt{welsh}%
6454 \mtc@setlangopt{xalx}%
6455 \mtc@setlangopt{xalx2}%
6456 \mtc@setlangopt{xalx3}%

```

## 9.81 The hints option

`\DeclareOption` We declare the hints (default) and nohints options:  
`\if@mtc@hints@`

```
6457 \DeclareOption{hints}{\@mtc@hints@true}
6458 \DeclareOption{nohints}{\@mtc@hints@false}
```

`\mtc@hints@begindoc` The hints option is made of three parts: the first, `\mtc@hints@begindoc`, is executed via `\AtBeginDocument` and looks if some packages or classes are loaded, then gives warnings about their compatibility with minitoc.

The second part is made of tiny pieces of code inserted in the minitoc code, to verify that some macros are called in the right order.

`\mtc@hints@enddoc` The third and last part, `\mtc@hints@enddoc`, is executed via `\AtEndDocument` and examines the flags set by the first and the second parts. Then, if necessary, it writes some infos in the `document.log` file and/or warnings on the screen and in the `document.log` file. The hints option *does not signal errors*, only infos and warnings, so it does not stop the L<sup>A</sup>T<sub>E</sub>X run.



### 9.81.1 First part: `\mtc@hints@begindoc`

`\if@mtc@abstract@loaded@` We declare some flags and the first part of the hints option (for an `\AtBeginDocument` block):

I0049

```
\mtc@hints@begindoc
\if@mtc@toc@used@
\if@mtc@lof@used@ 6459 \newif\if@mtc@abstract@loaded@ \@mtc@abstract@loaded@false
\if@mtc@lot@used@ 6460 \newif\if@mtc@toc@used@ \global\@mtc@toc@used@false
6461 \newif\if@mtc@lof@used@ \global\@mtc@lof@used@false
6462 \newif\if@mtc@lot@used@ \global\@mtc@lot@used@false
6463 \def\mtc@hints@begindoc{%
6464 \mtcPackageInfo[I0049]{minitoc(hints)}%
6465   {=> You requested the hints option.
6466   \MessageBreak
6467   Some hints are eventually given below\@gobble}%
```

#### 9.81.1.1 Hint about the alphanum package

`\@ifpackageloaded` We test the presence of the alphanum package (part of the jura class [103]), and emit a warning, because this package is *incompatible* with minitoc:

```
6468 \@ifpackageloaded{alphanum}%
6469   {\@mtc@hints@given@true
6470   \mtcPackageWarningNoLine[W0025]{minitoc(hints)}%
```



W0025



```

6471     {--- The alphanum package is loaded.
6472     \MessageBreak
6473     It is incompatible
6474     \MessageBreak
6475     with the minitoc package}}}%

```

### 9.81.1.2 Hint about the appendix package

`\@ifpackageloaded` We test the presence of the appendix package [471]:  
`\if@mtc@hints@given@`

I0042

```

6476 \@ifpackageloaded{appendix}{%
6477   \@mtc@hints@given@true
6478   \mtcPackageInfo[I0042]{minitoc(hints)}%
6479   {--- The appendix package is loaded.
6480   \MessageBreak
6481   See the minitoc package documentation
6482   \MessageBreak
6483   for specific precautions\@gobble}}}%

```

### 9.81.1.3 Hint about the tocbibind package

`\@ifpackageloaded` We test the presence of the tocbibind package [472]:  
`\if@mtc@hints@given@`

I0046

```

6484 \@ifpackageloaded{tocbibind}%
6485   {\@mtc@hints@given@true
6486   \mtcPackageInfo[I0046]{minitoc(hints)}%
6487   {--- The tocbibind package is loaded.
6488   \MessageBreak
6489   See the minitoc package documentation
6490   \MessageBreak
6491   for specific precautions\@gobble}}}%

```

### 9.81.1.4 Hint about the KOMA-Script classes

`\@ifclassloaded` We test the presence of each minitoc-compatible KOMA-Script class [343, 344, 399]:  
`\if@mtc@hints@given@`

I0043

```

6492 \@ifclassloaded{scrbook}%
6493   {\@mtc@hints@given@true
6494   \mtcPackageInfo[I0043]{minitoc(hints)}%
6495   {--- The KOMAScript scrbook class is loaded.
6496   \MessageBreak
6497   See the minitoc package documentation
6498   \MessageBreak
6499   for specific precautions\@gobble}}}%

```

```

6500 \@ifclassloaded{scrreprt}%
6501   {\@mtc@hints@given@true
6502   \mtcPackageInfo[I0043]{minitoc(hints)}%
6503     {--- The KOMAScript scrreprt class is loaded.
6504       \MessageBreak
6505       See the minitoc package documentation
6506       \MessageBreak
6507       for specific precautions\@gobble}}}%
6508 \@ifclassloaded{scrartcl}%
6509   {\@mtc@hints@given@true
6510   \mtcPackageInfo[I0043]{minitoc(hints)}%
6511     {--- The KOMAScript scrartcl class is loaded.
6512       \MessageBreak
6513       See the minitoc package documentation
6514       \MessageBreak
6515       for specific precautions\@gobble}}}%

```

#### 9.81.1.5 Hint about the tocloft package

\@ifpackageloaded We test the presence of the tocloft package [469]:  
\if@mtc@hints@given@

I0047

```

6516 \@ifpackageloaded{tocloft}%
6517   {\@mtc@hints@given@true
6518   \mtcPackageInfo[I0047]{minitoc(hints)}%
6519     {--- The tocloft package is loaded.
6520       \MessageBreak
6521       See the minitoc package documentation
6522       \MessageBreak
6523       for specific precautions\@gobble}}}%

```

#### 9.81.1.6 Hint about the titlesec package

\@ifpackageloaded We test the presence of the titlesec package [46], and emit a warning, because this package is  
\if@mtc@hints@given@ *incompatible* with minitoc:



W0099

```

6524 \@ifpackageloaded{titlesec}%
6525   {\@mtc@hints@given@true
6526   \mtcPackageWarningNoLine[W0099]{minitoc(hints)}%
6527     {--- The titlesec package is loaded.
6528       \MessageBreak
6529       It is incompatible
6530       \MessageBreak
6531       with the minitoc package}}}%

```

## 9.81.1.7 Hint about the titletoc package

`\@ifpackageloaded` We test the presence of the titletoc package [46], and emit a warning, because this package is  
`\if@mtc@hints@given@` *incompatible* with minitoc:

```
6532 \@ifpackageloaded{titletoc}%
6533   {\@mtc@hints@given@true
6534   \mtcPackageWarningNoLine[W0040]{minitoc(hints)}%
6535   {--- The titletoc package is loaded.
6536   \MessageBreak
6537   It is incompatible
6538   \MessageBreak
6539   with the minitoc package}}}%
```



## 9.81.1.8 Hint about the placeins package

`\@ifpackageloaded` We test if the placeins package [15] is loaded and, if yes, we check if the selected options are  
`\if@mtc@ss@insection@` correct (see section 1.3.3 on page 32):

```
\@ifpackagewith
\if@mtc@hints@given@ 6540 \@ifpackageloaded{placeins}%
6541   {\if@mtc@ss@insection@
6542   \@ifpackagewith{placeins}{section}}}%
6543   {\@mtc@hints@given@true
6544   \mtcPackageWarningNoLine[W0031]{minitoc(hints)}%
6545   {--- The placeins package is loaded
6546   \MessageBreak
6547   without the section option,
6548   \MessageBreak
6549   but minitoc used the insection option
6550   \MessageBreak
6551   which implies it. Try to inverse the
6552   \MessageBreak
6553   loading order and use consistent options.
6554   \MessageBreak
6555   You may have got a message
6556   \MessageBreak
6557   ! LaTeX Error: Option clash for package placeins}%
6558   }%
6559   \@ifpackagewith{placeins}{above}%
6560   {\@mtc@hints@given@true
6561   \mtcPackageWarningNoLine[W0084]{minitoc(hints)}%
6562   {--- The placeins package is loaded
6563   \MessageBreak
6564   with the above option,
6565   \MessageBreak
6566   but minitoc used the insection option
6567   \MessageBreak
6568   which is incompatible with it.
6569   \MessageBreak
6570   Try to remove the above option
```



```

6571         \MessageBreak
6572         and use consistent options}%
6573     }{}%
6574 \@ifpackagewith{placeins}{below}%
6575     {\@mtc@hints@given@true
6576     \mtcPackageWarningNoLine[W0085]{minitoc(hints)}%
6577     {--- The placeins package is loaded
6578     \MessageBreak
6579     with the below option,
6580     \MessageBreak
6581     but minitoc used the insection option
6582     \MessageBreak
6583     which is incompatible with it.
6584     \MessageBreak
6585     Try to remove the below option
6586     \MessageBreak
6587     and use consistent options}%
6588     }{}%
6589 \fi
6590 \@ifpackagelater{placeins}{2005/04/18}{}{}%
6591     {\@mtc@hints@given@true
6592     \mtcPackageWarningNoLine[W0032]{minitoc(hints)}%
6593     {--- The placeins package loaded is
6594     \MessageBreak
6595     too old. You should use a version
6596     \MessageBreak
6597     dated of 2005/04/18 at least}%
6598     }%
6599     }{}%

```

### 9.81.1.9 Hint about the memoir class

\@ifclassloaded We test if the memoir class [479, 481, 482] is loaded:  
\if@mtc@hints@given@

```

6600 \@ifclassloaded{memoir}%
6601     {\@mtc@hints@given@true
6602     \mtcPackageInfo[I0044]{minitoc(hints)}%
6603     {--- The memoir class is loaded.
6604     \MessageBreak
6605     See the minitoc package documentation
6606     \MessageBreak
6607     for specific precautions\@gobble}{}%
6608     }{}%

```

I0044

**9.81.1.10 Hint about the amsart and amsproc classes**

`\ifclassloaded` We test if the amsart or amsproc class is loaded and emit a warning, because these classes are  
`\if@mtc@hints@given@` *incompatible* with minitoc:

```

6609 \ifclassloaded{amsart}%
6610   {\@mtc@hints@given@true
6611     \mtcPackageWarningNoLine[W0026]{minitoc(hints)}%
6612     {--- The amsart class is loaded.
6613       \MessageBreak
6614       It is incompatible
6615       \MessageBreak
6616       with the minitoc package}}}%
6617 \ifclassloaded{amsproc}%
6618   {\@mtc@hints@given@true
6619     \mtcPackageWarningNoLine[W0027]{minitoc(hints)}%
6620     {--- The amsproc class is loaded.
6621       \MessageBreak
6622       It is incompatible
6623       \MessageBreak with the minitoc package}}}%

```

**9.81.1.11 Hint about the amsbook class**

`\ifclassloaded` We test if the amsbook class is loaded:  
`\if@mtc@hints@given@`

```

6624 \ifclassloaded{amsbook}%
6625   {\@mtc@hints@given@true
6626     \mtcPackageInfo[I0041]{minitoc(hints)}%
6627     {--- The amsbook class is loaded.
6628       \MessageBreak
6629       See the minitoc package documentation
6630       \MessageBreak
6631       for specific precautions\@gobble}}}%
6632   }{}%

```

**9.81.1.12 Hint about the abstract package**

`\ifpackageloaded` We test the presence of the abstract package [470], then its options:  
`\ifpackagewith`  
`\if@mtc@hints@given@`

```

6633 \ifpackageloaded{abstract}%
6634   {\@mtc@abstract@loaded@true%
6635     \ifpackagewith{abstract}{addtotoc}%
6636     {\@mtc@hints@given@true
6637       \mtcPackageInfo[I0040]{minitoc(hints)}%
6638       {The ‘abstract’ package has been
6639       \MessageBreak

```



```

6640         loaded with the ‘‘addtotoc’’ option.
6641         \MessageBreak
6642         You need to look at the
6643         \MessageBreak
6644         documentation to adjust.
6645         \MessageBreak}
6646     }}{}

```

### 9.81.1.13 Hint about the jura class

`\@ifclassloaded` We test if the `jura` class is loaded and emit a warning, because this class is *incompatible* with `\if@mtc@hints@given@` minitoc:

```

6647 \@ifclassloaded{jura}%
6648     {\@mtc@hints@given@true
6649     \mtcPackageWarningNoLine[W0029]{minitoc(hints)}%
6650     {--- The jura class is loaded.
6651     \MessageBreak
6652     It is incompatible
6653     \MessageBreak with the minitoc package}}{}%

```



### 9.81.1.14 Hint about the flowfram package

`\@ifpackageloaded` We test the presence of the `flowfram` package [433, 434], and emit a warning, because this package is *incompatible* with minitoc:

```

6654 \@ifpackageloaded{flowfram}%
6655     {\@mtc@hints@given@true
6656     \mtcPackageWarningNoLine[W0097]{minitoc(hints)}%
6657     {--- The flowfram package is loaded.
6658     \MessageBreak
6659     It is incompatible
6660     \MessageBreak
6661     with the minitoc package}}{}%

```



### 9.81.1.15 Hint about the alteration of the sectioning commands

`\part` To check if the sectioning commands `\part`, `\chapter` or `\section` have been altered by some package or in the preamble, we compare them (when executing an `\AtBeginDocument` block) with their saved versions (saved by the minitoc package when it is loaded) `\mtc@hints@part`, `\mtc@hints@chapter` and `\mtc@hints@section`. For each sectioning command, we must perform the comparison for the command itself, its unstarred branch and its starred branch. But the `hyperref` package [390] may interfere, hence the formal precautions in the messages.

## 9.81.1.15.1 Alteration of \part

```

\if@mtc@hints@w@ We check the alteration of \part, \@part and \@spart:
  \ifundefined
    \part 6662 \@mtc@hints@w@false
  \mtc@hints@part 6663 \@ifundefined{part}{}{\ifx\part\mtc@hints@part\relax
    \@part 6664 \else\@mtc@hints@w@true\fi}
  \mtc@hints@@part 6665 \@ifundefined{part}{}{\ifx\@part\mtc@hints@@part\relax
    \@spart 6666 \else\@mtc@hints@w@true\fi}
  \mtc@hints@@spart 6667 \@ifundefined{part}{}{\ifx\@spart\mtc@hints@@spart\relax
  \if@mtc@hints@given@ 6668 \else\@mtc@hints@w@true\fi}
  \if@mtc@hyper@used@ 6669 \if@mtc@hints@w@\@mtc@hints@given@true%
  6670 \mtcPackageWarningNoLine[W0030]{minitoc(hints)}%
  6671 {--- The \string\part\space command is altered
  6672 \MessageBreak
  6673 after minitoc}
  6674 \if@mtc@hyper@used@
  6675 \mtcPackageWarningNoLine[W0023]{minitoc(hints)}%
  6676 {--- It may be the consequence
  6677 \MessageBreak
  6678 of loading the ‘hyperref’ package}
  6679 \fi
  6680 \fi

```

W0030  
W0023

## 9.81.1.15.2 Alteration of \chapter

```

\if@mtc@hints@w@ We check the alteration of \chapter, \@chapter and \@schapter:
  \ifundefined
    \chapter 6681 \@mtc@hints@w@false
  \mtc@hints@chapter 6682 \@ifundefined{chapter}{}{\ifx\chapter\mtc@hints@chapter\relax
    \@chapter 6683 \else\@mtc@hints@w@true\fi}%
  \mtc@hints@@chapter 6684 \@ifundefined{chapter}{}{\ifx\@chapter\mtc@hints@@chapter\relax
    \@schapter 6685 \else\@mtc@hints@w@true\fi}%
  \mtc@hints@@schapter 6686 \@ifundefined{chapter}{}{\ifx\@schapter\mtc@hints@@schapter\relax
  \if@mtc@hints@given@ 6687 \else\@mtc@hints@w@true\fi}%
  \if@mtc@hyper@used@ 6688 \if@mtc@hints@w@\@mtc@hints@given@true%
  6689 \mtcPackageWarningNoLine[W0028]{minitoc(hints)}%
  6690 {--- The \string\chapter\space command is altered
  6691 \MessageBreak
  6692 after minitoc}
  6693 \if@mtc@hyper@used@
  6694 \mtcPackageWarningNoLine[W0023]{minitoc(hints)}%
  6695 {--- It may be the consequence
  6696 \MessageBreak
  6697 of loading the ‘hyperref’ package}
  6698 \fi
  6699 \fi

```

W0028  
W0023

9.81.1.15.3 Alteration of `\section`

```

\if@mtc@hints@w@ We check the alteration of \section, \@sect and \@ssect:
  \ifundefined
    \section 6700 \@mtc@hints@w@false
\mtc@hints@section 6701 \ifundefined{chapter}%
  \@sect 6702  {\ifundefined{section}}{\ifx\section\mtc@hints@section\relax\else
\mtc@hints@sect 6703  \@mtc@hints@w@true\fi}
  \@ssect 6704  \ifundefined{section}}{\ifx\@sect\mtc@hints@sect\relax\else
\mtc@hints@ssect 6705  \@mtc@hints@w@true\fi}
\if@mtc@hints@given@ 6706  \ifundefined{section}}{\ifx\@ssect\mtc@hints@ssect\relax\else
\if@mtc@hyper@used@ 6707  \@mtc@hints@w@true\fi}
6708 \if@mtc@hints@w@\@mtc@hints@given@true%
6709  \mtcPackageWarningNoLine[W0039]{minitoc(hints)}%
6710  {--- The \string\section\space command is altered
6711  \MessageBreak
6712  after minitoc}
6713  \if@mtc@hyper@used@
6714  \mtcPackageWarningNoLine[W0023]{minitoc(hints)}%
6715  {--- It may be the consequence
6716  \MessageBreak
6717  of loading the ‘‘hyperref’’ package}
6718  \fi
6719  \relax\else\fi}}}%

```

W0039

W0023

## 9.81.1.16 Hint about the consistency of the calling sequences of the commands

And finally, we prepare the consistency tests about the calling sequences of triplets of associated commands like `\doparttoc`, `\parttoc` and `\[fake]tableofcontents`, and similar: to be able to use `\parttoc`, a table of contents file must have been created via `\[fake]tableofcontents` and splitted into `parttoc` files via `\doparttoc`.

```

\if@mtc@hints@ Hence we initialize some flags:
\if@mtc@toc@used@
\if@mtc@lof@used@ 6720 \if@mtc@hints@
\if@mtc@lot@used@ 6721 \global\@mtc@toc@used@false
6722 \global\@mtc@lof@used@false
6723 \global\@mtc@lot@used@false

\mtc@sv@tableofcontents Then we patch the involved commands to set the corresponding flag when they are used. First,
  \tableofcontents the commands for the main summaries:
  \if@mtc@toc@used@
\mtc@sv@listoffigures 6724 \let\mtc@sv@tableofcontents\tableofcontents
  \listoffigures 6725 \def\tableofcontents%
  \if@mtc@lof@used@ 6726  {\global\@mtc@toc@used@true\mtc@sv@tableofcontents}
\mtc@sv@listoftables 6727 \let\mtc@sv@listoffigures\listoffigures
  \listoftables 6728 \def\listoffigures%
\if@mtc@lot@used@

```



```

6729   {\global\@mtc@lof@used@true\mtc@sv@listoffigures}
6730 \let\mtc@sv@listoftables\listoftables
6731 \def\listoftables%
6732   {\global\@mtc@lot@used@true\mtc@sv@listoftables}

```

```

\mtc@sv@fktableofcontents Then, their “fake” siblings:
  \faketableofcontents
    \if@mtc@toc@used@ 6733 \let\mtc@sv@fktableofcontents\faketableofcontents
\mtc@sv@fklistoffigures 6734 \def\faketableofcontents%
  \fakelistoffigures 6735   {\global\@mtc@toc@used@true\mtc@sv@fktableofcontents}
  \if@mtc@lof@used@ 6736 \let\mtc@sv@fklistoffigures\fakelistoffigures
\mtc@sv@fklistoftables 6737 \def\fakelistoffigures%
  \fakelistoftables 6738   {\global\@mtc@lof@used@true\mtc@sv@fklistoffigures}
  \if@mtc@lot@used@ 6739 \let\mtc@sv@fklistoftables\fakelistoftables
  \if@mtc@lot@used@ 6740 \def\fakelistoftables%
  6741   {\global\@mtc@lot@used@true\mtc@sv@fklistoftables}
  6742 \fi

```

\mtc@hints@begindoc And the \mtc@hints@begindoc definition is finished (it begins in section 9.81.1 on page 416):

```
6743 }
```

## 9.81.2 Final part: \mtc@hints@enddoc

\mtc@hints@enddoc The final part of the hints option is executed via \AtEndDocument. Its code is in the \AtEndDocument \mtc@hints@enddoc macro. It is a sequence of tests on the packages or classes loaded and the flags set during the first and the second parts of this option. First, we declare the \mtc@hints@enddoc macro:

```
6744 \def\mtc@hints@enddoc{%
```

### 9.81.2.1 Hint about \sect-lof|lot and the insection option

```

\if@mtc@sect@floats@ We look if some section-level lists of figures or tables have been requested.
  \if@dosectlof@used@
  \if@dosectlot@used@ 6745 \if@dosectlof@used@\@mtc@sect@floats@true\fi
    \if@sectlof@used@ 6746 \if@dosectlot@used@\@mtc@sect@floats@true\fi
    \if@sectlot@used@ 6747 \if@sectlof@used@\@mtc@sect@floats@true\fi
  \if@mtc@section@def@ 6748 \if@sectlot@used@\@mtc@sect@floats@true\fi
  6749 \if@mtc@section@def@

```

```

\if@mtc@placeinsLoaded@ If yes, we verify that the placeins package [15] has been loaded with the correct options or that
\if@mtc@sect@floats@ the insetion option of the minitoc package has been invoked. If not, a warning is given.
\if@mtc@hints@w@
\if@mtc@hints@given@ 6750 \if@mtc@placeinsLoaded@ \else
6751 \if@mtc@sect@floats@%
6752 \mtcPackageWarningNoLine[W0056]{minitoc(hints)}%
6753 {You are using \string\dosectlof\space and/or
6754 \MessageBreak
6755 \string\dosectlot, \string\sectlof\space and/or \string\sectlot,
6756 \MessageBreak
6757 hence the ‘insection’ package
6758 \MessageBreak
6759 option is recommended}%
6760 \@mtc@hints@w@true \@mtc@hints@given@true
6761 \fi
6762 \fi

```

W0056

### 9.81.2.2 Final part of the consistency tests

We test if `\parttoc` has been used without `\doparttoc`, etc., for each pair of preparation/insertion commands.

```

\if@mtc@part@def@ For the part level commands:
\if@parttoc@used@
\if@doparttoc@used@ 6763 \if@mtc@part@def@
\if@mtc@hints@given@ 6764 \if@parttoc@used@
\if@partlof@used@ 6765 \if@doparttoc@used@\else
\if@dopartlof@used@ 6766 \mtcPackageWarningNoLine[W0062]{minitoc(hints)}%
\if@partlot@used@ 6767 {You have used \string\parttoc,
\if@dopartlot@used@ 6768 \MessageBreak
6769 but not \string\doparttoc}
6770 \@mtc@hints@given@true
6771 \fi
6772 \fi
6773 \if@partlof@used@
6774 \if@dopartlof@used@\else
6775 \mtcPackageWarningNoLine[W0060]{minitoc(hints)}%
6776 {You have used \string\partlof,
6777 \MessageBreak
6778 but not \string\dopartlof}
6779 \@mtc@hints@given@true
6780 \fi
6781 \fi
6782 \if@partlot@used@
6783 \if@dopartlot@used@\else
6784 \mtcPackageWarningNoLine[W0061]{minitoc(hints)}%
6785 {You have used \string\partlot,
6786 \MessageBreak
6787 but not \string\dopartlot}

```

W0062

W0060

W0061

```

6788 \@mtc@hints@given@true
6789 \fi
6790 \fi
6791 \fi

```

```

\if@mtc@chapter@def@ For the chapter level commands:
  \if@minitoc@used@
    \if@dominitoc@used@ 6792 \if@mtc@chapter@def@
\if@mtc@hints@given@ 6793 \if@minitoc@used@
  \if@minilof@used@ 6794 \if@dominitoc@used@\else
\if@dominilof@used@ 6795 \mtcPackageWarningNoLine[W0059]{minitoc(hints)}%
  \if@minilot@used@ 6796 {You have used \string\minitoc,
\if@dominilot@used@ 6797 \MessageBreak
  6798 but not \string\dominitoc}
  6799 \@mtc@hints@given@true
  6800 \fi
  6801 \fi
  6802 \if@minilof@used@
  6803 \if@dominilof@used@\else
  6804 \mtcPackageWarningNoLine[W0057]{minitoc(hints)}%
  6805 {You have used \string\minilof,
  6806 \MessageBreak
  6807 but not \string\dominilof}
  6808 \@mtc@hints@given@true
  6809 \fi
  6810 \fi
  6811 \if@minilot@used@
  6812 \if@dominilot@used@\else
  6813 \mtcPackageWarningNoLine[W0058]{minitoc(hints)}%
  6814 {You have used \string\minilot,
  6815 \MessageBreak
  6816 but not \string\dominilot}
  6817 \@mtc@hints@given@true
  6818 \fi
  6819 \fi
  6820 \fi

```

W0059

W0057

W0058

```

\if@mtc@section@def@ For the section level commands:
  \if@secttoc@used@
    \if@dosecttoc@used@ 6821 \if@mtc@section@def@
\if@mtc@hints@given@ 6822 \if@secttoc@used@
  \if@sectlof@used@ 6823 \if@dosecttoc@used@\else
\if@dosectlof@used@ 6824 \mtcPackageWarningNoLine[W0065]{minitoc(hints)}%
  \if@sectlot@used@ 6825 {You have used \string\secttoc,
\if@dosectlot@used@ 6826 \MessageBreak
  6827 but not \string\dosecttoc}
  6828 \@mtc@hints@given@true
  6829 \fi
  6830 \fi
  6831 \if@sectlof@used@

```

W0065

W0063

W0064

```

6832 \if@dosectlof@used@\else
6833 \mtcPackageWarningNoLine[W0063]{minitoc(hints)}%
6834 {You have used \string\sectlof,
6835 \MessageBreak
6836 but not \string\dosectlof}
6837 \@mtc@hints@given@true
6838 \fi
6839 \fi
6840 \if@sectlot@used@
6841 \if@dosectlot@used@\else
6842 \mtcPackageWarningNoLine[W0064]{minitoc(hints)}%
6843 {You have used \string\sectlot,
6844 \MessageBreak
6845 but not \string\dosectlot}
6846 \fi
6847 \fi
6848 \fi

```

### 9.81.2.3 Check if the main tables have been prepared (first part)

Now, we test if a `\doparttoc` macro has been called but without any matching `\parttoc`, hence it is a vain call. We do the same for each analog command.

```

\if@mtc@part@def@ Part level commands:
\if@doparttoc@used@
\if@parttoc@used@ 6849 \if@mtc@part@def@
\if@mtc@hints@given@ 6850 \if@doparttoc@used@
\if@dopartlof@used@ 6851 \if@parttoc@used@\else
\if@partlof@used@ 6852 \mtcPackageWarningNoLine[W0075]{minitoc(hints)}%
\if@dopartlot@used@ 6853 {You have used \string\doparttoc,
\if@partlot@used@ 6854 \MessageBreak
6855 but not \string\parttoc}
6856 \@mtc@hints@given@true
6857 \fi
6858 \fi
6859 \if@dopartlof@used@
6860 \if@partlof@used@\else
6861 \mtcPackageWarningNoLine[W0076]{minitoc(hints)}%
6862 {You have used \string\dopartlof,
6863 \MessageBreak
6864 but not \string\partlof}
6865 \@mtc@hints@given@true
6866 \fi
6867 \fi
6868 \if@dopartlot@used@
6869 \if@partlot@used@\else
6870 \mtcPackageWarningNoLine[W0077]{minitoc(hints)}%
6871 {You have used \string\dopartlot,
6872 \MessageBreak
6873 but not \string\partlot}

```

W0075  
W0076  
W0077

```

6874 \@mtc@hints@given@true
6875 \fi
6876 \fi
6877 \fi

```

```

\if@mtc@chapter@def@ Chapter level commands:
\if@dominitoc@used@
  \if@minitoc@used@ 6878 \if@mtc@chapter@def@
\if@mtc@hints@given@ 6879 \if@dominitoc@used@
\if@dominilof@used@ 6880 \if@minitoc@used@\else
  \if@minilof@used@ 6881 \mtcPackageWarningNoLine[W0078]{minitoc(hints)}%
\if@dominilot@used@ 6882 {You have used \string\dominitoc,
  \if@minilot@used@ 6883 \MessageBreak
6884 but not \string\minitoc}
6885 \@mtc@hints@given@true
6886 \fi
6887 \fi
6888 \if@dominilof@used@
6889 \if@minilof@used@\else
6890 \mtcPackageWarningNoLine[W0079]{minitoc(hints)}%
6891 {You have used \string\dominilof,
6892 \MessageBreak
6893 but not \string\minilof}
6894 \@mtc@hints@given@true
6895 \fi
6896 \fi
6897 \if@dominilot@used@
6898 \if@minilot@used@\else
6899 \mtcPackageWarningNoLine[W0080]{minitoc(hints)}%
6900 {You have used \string\dominilot,
6901 \MessageBreak
6902 but not \string\minilot}
6903 \@mtc@hints@given@true
6904 \fi
6905 \fi
6906 \fi

```

W0078

W0079

W0080

```

\if@mtc@section@def@ Section level commands:
\if@dosecttoc@used@
  \if@secttoc@used@ 6907 \if@mtc@section@def@
\if@mtc@hints@given@ 6908 \if@dosecttoc@used@
\if@dosectlof@used@ 6909 \if@secttoc@used@\else
  \if@sectlof@used@ 6910 \mtcPackageWarningNoLine[W0081]{minitoc(hints)}%
\if@dosectlot@used@ 6911 {You have used \string\dosecttoc,
  \if@sectlot@used@ 6912 \MessageBreak
6913 but not \string\secttoc}
6914 \@mtc@hints@given@true
6915 \fi
6916 \fi
6917 \if@dosectlof@used@

```

W0081

W0082

W0083

```

6918 \if@sectlof@used@\else
6919 \mtcPackageWarningNoLine[W0082]{minitoc(hints)}%
6920 {You have used \string\dosectlof,
6921 \MessageBreak
6922 but not \string\sectlof}
6923 \@mtc@hints@given@true
6924 \fi
6925 \fi
6926 \if@dosectlot@used@
6927 \if@sectlot@used@\else
6928 \mtcPackageWarningNoLine[W0083]{minitoc(hints)}%
6929 {You have used \string\dosectlot,
6930 \MessageBreak
6931 but not \string\sectlot}
6932 \fi
6933 \fi
6934 \fi
6935 \fi

```

#### 9.81.2.4 Check if the main tables have been prepared (second part)

Another consistency test verifies that if the macro `\parttoc` has been called, then the macro `\tableofcontents` or `\faketableofcontents` has also been called (to create the necessary contents file); similar tests are made for the other mini-table commands.

```

\if@mtc@part@def@ Part level commands:
\if@mtc@hints@given@
\if@parttoc@used@ 6936 \if@mtc@part@def@
\ifmtc@toc@used@ 6937 \if@parttoc@used@
\if@partlof@used@ 6938 \if@mtc@toc@used@\else
\ifmtc@lof@used@ 6939 \mtcPackageWarningNoLine[W0071]{minitoc(hints)}%
\if@partlot@used@ 6940 {You have used \string\parttoc\space but not
\ifmtc@lot@used@ 6941 \MessageBreak
6942 \string\tableofcontents
6943 \MessageBreak
6944 nor \string\faketableofcontents}
6945 \@mtc@hints@given@true
6946 \fi
6947 \fi
6948 \if@partlof@used@
6949 \if@mtc@lof@used@\else
6950 \mtcPackageWarningNoLine[W0069]{minitoc(hints)}%
6951 {You have used \string\partlof\space but not
6952 \MessageBreak
6953 \string\listoffigures
6954 \MessageBreak
6955 nor \string\fakelistoffigures}
6956 \@mtc@hints@given@true
6957 \fi
6958 \fi

```

W0071
W0069
W0070

```

6959 \if@partlot@used@
6960   \if@mtc@lot@used@\else
6961     \mtcPackageWarningNoLine[W0070]{minitoc(hints)}%
6962     {You have used \string\partlot\space but not
6963       \MessageBreak
6964       \string\listoftables
6965       \MessageBreak
6966       nor \string\fakelistoftables}
6967   \@mtc@hints@given@true
6968   \fi
6969 \fi
6970 \fi

```

\if@mtc@chapter@def@ Chapter level commands:

\if@mtc@hints@given@

```

\if@minitoc@used@ 6971 \if@mtc@chapter@def@
\ifmtc@toc@used@ 6972 \if@minitoc@used@
\if@minilof@used@ 6973 \if@mtc@toc@used@\else
\ifmtc@lof@used@ 6974 \mtcPackageWarningNoLine[W0068]{minitoc(hints)}%
\if@minilot@used@ 6975 {You have used \string\minitoc\space but not
\ifmtc@lot@used@ 6976 \MessageBreak
6977 \string\tableofcontents
6978 \MessageBreak
6979 nor \string\aketableofcontents}
6980 \@mtc@hints@given@true
6981 \fi
6982 \fi
6983 \if@minilof@used@
6984 \if@mtc@lof@used@\else
6985 \mtcPackageWarningNoLine[W0066]{minitoc(hints)}%
6986 {You have used \string\minilof\space but not
6987 \MessageBreak
6988 \string\listoffigures
6989 \MessageBreak
6990 nor \string\fakelistoffigures}
6991 \@mtc@hints@given@true
6992 \fi
6993 \fi
6994 \if@minilot@used@
6995 \if@mtc@lot@used@\else
6996 \mtcPackageWarningNoLine[W0067]{minitoc(hints)}%
6997 {You have used \string\minilot\space but not
6998 \MessageBreak
6999 \string\listoftables
7000 \MessageBreak
7001 nor \string\fakelistoftables}
7002 \@mtc@hints@given@true
7003 \fi
7004 \fi
7005 \fi

```

W0068

W0066

W0067

```

\if@mtc@section@def@ Section level commands:
\if@mtc@hints@given@
  \if@secttoc@used@ 7006 \if@mtc@section@def@
  \ifmtc@toc@used@ 7007 \if@secttoc@used@
  \if@sectlof@used@ 7008 \if@mtc@toc@used@\else
  \ifmtc@lof@used@ 7009 \mtcPackageWarningNoLine[W0074]{minitoc(hints)}%
\if@sectlot@used@ 7010 {You have used \string\secttoc\space but not
  \ifmtc@lot@used@ 7011 \MessageBreak
  7012 \string\tableofcontents
  7013 \MessageBreak
  7014 nor \string\faketableofcontents}
  7015 \@mtc@hints@given@true
  7016 \fi
  7017 \fi
  7018 \if@sectlof@used@
  7019 \if@mtc@lof@used@\else
  7020 \mtcPackageWarningNoLine[W0072]{minitoc(hints)}%
  7021 {You have used \string\sectlof\space but not
  7022 \MessageBreak
  7023 \string\listoffigures
  7024 \MessageBreak
  7025 nor \string\fakelistoffigures}
  7026 \@mtc@hints@given@true
  7027 \fi
  7028 \fi
  7029 \if@sectlot@used@
  7030 \if@mtc@lot@used@\else
  7031 \mtcPackageWarningNoLine[W0073]{minitoc(hints)}%
  7032 {You have used \string\sectlot\space but not
  7033 \MessageBreak
  7034 \string\listoftables
  7035 \MessageBreak
  7036 nor \string\fakelistoftables}
  7037 \@mtc@hints@given@true
  7038 \fi
  7039 \fi
  7040 \fi

```

W0074  
W0072  
W0073

### 9.81.2.5 Check the number of mini-tables, in case of short extensions

```

\mtc@hints@checklongext If short extensions are used, you can use only 99 mini-tables of each kind. If more are created,
  \if@mtc@longext@ the auxiliary files can be overwritten: the hundredth minitoc file \jobname.U100 has its name
  \if@mtc@part@def@ truncated to \jobname.U10, which is already the tenth minitoc file. Thus, we need a hint to
    \value signal this situation. The code is rather simple, but the remedy is bitter and costly: either use a
\if@mtc@hints@given@true better operating system 17, either redesign the document.
  \if@mtc@chapter@def@
  \if@mtc@section@def@ 7041 \def\mtc@hints@checklongext{%
  7042 \if@mtc@longext@

```

W0054  
W0053  
W0055

<sup>17</sup>On the long term, a good investment.



```

7043 \else
7044   \if@mtc@part@def@
7045     \ifnum 99 < \value{ptc}\relax \@mtc@hints@given@true
7046       \mtcPackageWarningNoLine[W0054]{minitoc(hints)}%
7047         {You have used short extensions
7048           \MessageBreak
7049           and more than 99 parts (\arabic{ptc})}
7050     \fi
7051   \fi
7052   \if@mtc@chapter@def@
7053     \ifnum 99 < \value{mtc}\relax \@mtc@hints@given@true
7054       \mtcPackageWarningNoLine[W0053]{minitoc(hints)}%
7055         {You have used short extensions
7056           \MessageBreak
7057           and more than 99 chapters (\arabic{mtc})}
7058     \fi
7059   \else
7060     \if@mtc@section@def@
7061       \ifnum 99 < \value{stc}\relax \@mtc@hints@given@true
7062         \mtcPackageWarningNoLine[W0055]{minitoc(hints)}%
7063           {You have used short extensions
7064             \MessageBreak
7065             and more than 99 sections (\arabic{stc})}
7066       \fi
7067     \fi
7068   \fi
7069 \fi}
7070 \mtc@hints@checklongext

```

### 9.81.2.6 Final part of the hint about the sectsty package

`\if@mtc@sectstyLoaded@` We test if `sectsty` has been loaded before (correct) or after (incorrect) `minitoc`. See W0037  
`\if@mtc@sectstyLoaded@a@` section 9.9.1 on page 279.  
`\if@mtc@hints@given@`

```

7071 \if@mtc@sectstyLoaded@\else
7072   \if@mtc@sectstyLoaded@a@
7073     \mtcPackageWarningNoLine[W0037]{minitoc(hints)}%
7074     {The sectsty package should be
7075       \MessageBreak
7076       loaded BEFORE the minitoc package}
7077     \@mtc@hints@given@true
7078   \fi
7079 \fi

```

### 9.81.2.7 Final part of the hint about the varsects package

`\if@mtc@varsectsLoaded@` We test if `varsects` has been loaded before (correct) or after (incorrect) `minitoc`. See W0038  
`\if@mtc@varsectsLoaded@a@`  
`\if@mtc@hints@given@`

section 9.9.2 on page 279.

```

7080 \if@mtc@varsectsLoaded@\else
7081   \if@mtc@varsectsLoaded@a@
7082     \mtcPackageWarningNoLine[W0038]{minitoc(hints)}%
7083     {The varsects package should be
7084       \MessageBreak
7085       loaded BEFORE the minitoc package}
7086     \@mtc@hints@given@true
7087   \fi
7088 \fi

```

### 9.81.2.8 Final part of the hint about the fncychap package

\if@mtc@fncychapLoaded@ We test if fncychap has been loaded before (correct) or after (incorrect) minitoc. See W0086  
 \if@mtc@fncychapLoaded@a@ section 9.9.3 on page 279.  
 \if@mtc@hints@given@

```

7089 \if@mtc@fncychapLoaded@\else
7090   \if@mtc@fncychapLoaded@a@
7091     \mtcPackageWarningNoLine[W0086]{minitoc(hints)}%
7092     {The fncychap package should be
7093       \MessageBreak
7094       loaded BEFORE the minitoc package}
7095     \@mtc@hints@given@true
7096   \fi
7097 \fi

```

### 9.81.2.9 Final part of the hint about the hangcaption package

\if@mtc@HgcLoaded@ We test if hangcaption has been loaded before (correct) or after (incorrect) minitoc. See W0092  
 \if@mtc@HgcLoaded@a@ section 9.9.4 on page 279.  
 \if@mtc@hints@given@

```

7098 \if@mtc@HgcLoaded@\else
7099   \if@mtc@HgcLoaded@a@
7100     \mtcPackageWarningNoLine[W0092]{minitoc(hints)}%
7101     {The hangcaption package should be
7102       \MessageBreak
7103       loaded BEFORE the minitoc package}
7104     \@mtc@hints@given@true
7105   \fi
7106 \fi

```

**9.81.2.10 Final part of the hint about the quotchap package**

`\if@mtc@quotchapLoaded@` We test if quotchap has been loaded before (correct) or after (incorrect) minitoc. See [section 9.9.5](#) on page 280. See W0087

`\if@mtc@quotchapLoaded@a@`

`\if@mtc@hints@given@`

```

7107 \if@mtc@quotchapLoaded@\else
7108   \if@mtc@quotchapLoaded@a@
7109     \mtcPackageWarningNoLine[W0087]{minitoc(hints)}%
7110     {The quotchap package should be
7111       \MessageBreak
7112       loaded BEFORE the minitoc package}
7113     \@mtc@hints@given@true
7114   \fi
7115 \fi

```

**9.81.2.11 Final part of the hint about the romannum package**

`\if@mtc@romannumLoaded@` We test if romannum has been loaded before (correct) or after (incorrect) minitoc. See [section 9.9.6](#) on page 280. See W0088

`\if@mtc@romannumLoaded@a@`

`\if@mtc@hints@given@`

```

7116 \if@mtc@romannumLoaded@\else
7117   \if@mtc@romannumLoaded@a@
7118     \mtcPackageWarningNoLine[W0088]{minitoc(hints)}%
7119     {The romannum package should be
7120       \MessageBreak
7121       loaded BEFORE the minitoc package}
7122     \@mtc@hints@given@true
7123   \fi
7124 \fi

```

**9.81.2.12 Final part of the hint about the sfheaders package**

`\if@mtc@sfheadersLoaded@` We test if sfheaders has been loaded before (correct) or after (incorrect) minitoc. See [section 9.9.7](#) on page 280. See W0089

`\if@mtc@sfheadersLoaded@a@`

`\if@mtc@hints@given@`

```

7125 \if@mtc@sfheadersLoaded@\else
7126   \if@mtc@sfheadersLoaded@a@
7127     \mtcPackageWarningNoLine[W0089]{minitoc(hints)}%
7128     {The sfheaders package should be
7129       \MessageBreak
7130       loaded BEFORE the minitoc package}
7131     \@mtc@hints@given@true
7132   \fi
7133 \fi

```

**9.81.2.13 Final part of the hint about the alnumsec package**

`\if@mtc@alnumsecLoaded@` We test if alnumsec has been loaded before (correct) or after (incorrect) minitoc. See W0090  
`\if@mtc@alnumsecLoaded@a@` section 9.9.8 on page 280.  
`\if@mtc@hints@given@`

```
7134 \if@mtc@alnumsecLoaded@\else
7135   \if@mtc@alnumsecLoaded@a@
7136     \mtcPackageWarningNoLine[W0090]{minitoc(hints)}%
7137     {The alnumsec package should be
7138       \MessageBreak
7139       loaded BEFORE the minitoc package}
7140     \@mtc@hints@given@true
7141   \fi
7142 \fi
```

**9.81.2.14 Final part of the hint about the captcont package**

`\if@mtc@captcontLoaded@` We test if captcont has been loaded before (correct) or after (incorrect) minitoc. See W0091  
`\if@mtc@captcontLoaded@a@` section 9.9.9 on page 281.  
`\if@mtc@hints@given@`

```
7143 \if@mtc@captcontLoaded@\else
7144   \if@mtc@captcontLoaded@a@
7145     \mtcPackageWarningNoLine[W0091]{minitoc(hints)}%
7146     {The captcont package should be
7147       \MessageBreak
7148       loaded BEFORE the minitoc package}
7149     \@mtc@hints@given@true
7150   \fi
7151 \fi
```

**9.81.2.15 Final part of the hint about the caption package**

`\if@mtc@captionLoaded@` We test if caption has been loaded before (correct) or after (incorrect) minitoc. See W0033  
`\if@mtc@captionLoaded@a@` section 9.9.10 on page 281.  
`\if@mtc@hints@given@`

```
7152 \if@mtc@captionLoaded@\else
7153   \if@mtc@captionLoaded@a@
7154     \mtcPackageWarningNoLine[W0033]{minitoc(hints)}%
7155     {The caption package should be
7156       \MessageBreak
7157       loaded BEFORE the minitoc package}
7158     \@mtc@hints@given@true
7159   \fi
7160 \fi
```

**9.81.2.16 Final part of the hint about the caption2 package**

`\if@mtc@captionIILoaded@` We test if `caption2` has been loaded before (correct) or after (incorrect) `minitoc`. See W0034  
`\if@mtc@captionIILoaded@a@` section 9.9.11 on page 281.  
`\if@mtc@hints@given@`

```
7161 \if@mtc@captionIILoaded@\else
7162   \if@mtc@captionIILoaded@a@
7163     \mtcPackageWarningNoLine[W0034]{minitoc(hints)}%
7164     {The caption2 package should be
7165       \MessageBreak
7166       loaded BEFORE the minitoc package}
7167     \@mtc@hints@given@true
7168   \fi
7169 \fi
```

**9.81.2.17 Final part of the hint about the ccaption package**

`\if@mtc@ccaptionLoaded@` We test if `ccaption` has been loaded before (correct) or after (incorrect) `minitoc`. See W0035  
`\if@mtc@ccaptionLoaded@a@` section 9.9.12 on page 281.  
`\if@mtc@hints@given@`

```
7170 \if@mtc@ccaptionLoaded@\else
7171   \if@mtc@ccaptionLoaded@a@
7172     \mtcPackageWarningNoLine[W0035]{minitoc(hints)}%
7173     {The ccaption package should be
7174       \MessageBreak
7175       loaded BEFORE the minitoc package}
7176     \@mtc@hints@given@true
7177   \fi
7178 \fi
```

**9.81.2.18 Final part of the hint about the mcaption package**

`\if@mtc@mcaptionLoaded@` We test if `mcaption` has been loaded before (correct) or after (incorrect) `minitoc`. See W0036  
`\if@mtc@mcaptionLoaded@a@` section 9.9.13 on page 282.  
`\if@mtc@hints@given@`

```
7179 \if@mtc@mcaptionLoaded@\else
7180   \if@mtc@mcaptionLoaded@a@
7181     \mtcPackageWarningNoLine[W0036]{minitoc(hints)}%
7182     {The mcaption package should be
7183       \MessageBreak
7184       loaded BEFORE the minitoc package}
7185     \@mtc@hints@given@true
7186   \fi
7187 \fi
```

**9.81.2.19 Final part of the hint about the float package**

`\if@mtc@floatLoaded@` We test if float has been loaded. See section 9.9.14 on page 282.  
`\if@mtc@hints@given@`

I0053

```

7188 \if@mtc@floatLoaded@
7189   \mtcPackageInfo[I0053]{minitoc(hints)}%
7190   {You have loaded the float package;
7191   \MessageBreak
7192   please be aware that the minitoc package
7193   \MessageBreak
7194   facilities can not be used for new types
7195   \MessageBreak
7196   of floats defined by the float package\@gobble}
7197   \@mtc@hints@given@true
7198 \fi

```

**9.81.2.20 Final part of the hint about the floatrow package**

`\if@mtc@floatrowLoaded@` We test if floatrow has been loaded. See section 9.9.15 on page 282.  
`\if@mtc@hints@given@`

I0053

```

7199 \if@mtc@floatrowLoaded@
7200   \mtcPackageInfo[I0053]{minitoc(hints)}%
7201   {You have loaded the floatrow package;
7202   \MessageBreak
7203   please be aware that the minitoc package
7204   \MessageBreak
7205   facilities can not be used for new types
7206   \MessageBreak
7207   of floats defined by the floatrow package\@gobble}
7208   \@mtc@hints@given@true
7209 \fi

```

**9.81.2.21 Final part of the hint about the trivfloat package**

`\if@mtc@trivfloatLoaded@` We test if trivfloat has been loaded. See section 9.9.16 on page 282.  
`\if@mtc@hints@given@`

I0053

```

7210 \if@mtc@trivfloatLoaded@
7211   \mtcPackageInfo[I0053]{minitoc(hints)}%
7212   {You have loaded the trivfloat package;
7213   \MessageBreak
7214   please be aware that the minitoc package
7215   \MessageBreak
7216   facilities can not be used for new types
7217   \MessageBreak
7218   of floats defined by the trivfloat package\@gobble}
7219   \@mtc@hints@given@true
7220 \fi

```

**9.81.2.22 Final part of the hint about the rotfloat package**

`\if@mtc@rotfloatLoaded@` We test if rotfloat has been loaded. See section 9.9.17 on page 282.  
`\if@mtc@hints@given@`

I0053

```

7221 \if@mtc@rotfloatLoaded@
7222   \mtcPackageInfo[I0053]{minitoc(hints)}%
7223   {You have loaded the rotfloat package;
7224   \MessageBreak
7225   please be aware that the minitoc package
7226   \MessageBreak
7227   facilities can not be used for new types
7228   \MessageBreak
7229   of floats defined by the rotfloat package\@gobble}
7230   \@mtc@hints@given>true
7231 \fi

```

**9.81.2.23 Check if empty mini-tables have been detected**

We test for each kind of mini-tables.

`\if@mtc@empty@parttoc@` For parttocs:

W0046

```

7232 \if@mtc@empty@parttoc@
7233   \mtcPackageWarningNoLine[W0046]{minitoc(hints)}%
7234   {You have attempted to insert
7235   \MessageBreak
7236   empty parttocs}
7237   \@mtc@hints@given>true
7238 \fi

```

`\if@mtc@empty@partlof@` For partlofs:

W0044

```

7239 \if@mtc@empty@partlof@
7240   \mtcPackageWarningNoLine[W0044]{minitoc(hints)}%
7241   {You have attempted to insert
7242   \MessageBreak
7243   empty partlofs}
7244   \@mtc@hints@given>true
7245 \fi

```

`\if@mtc@empty@partlot@` For partlots:

W0045

```

7246 \if@mtc@empty@partlot@
7247   \mtcPackageWarningNoLine[W0045]{minitoc(hints)}%
7248   {You have attempted to insert

```

```

7249 \MessageBreak
7250 empty partlots}
7251 \@mtc@hints@given@true
7252 \fi

```

`\if@mtc@empty@minitoc@` For minitocs:

W0043

```

7253 \if@mtc@empty@minitoc@
7254 \mtcPackageWarningNoLine[W0043]{minitoc(hints)}%
7255 {You have attempted to insert
7256 \MessageBreak
7257 empty minitocs}
7258 \@mtc@hints@given@true
7259 \fi

```

`\if@mtc@empty@minilofs@` For minilofs:

W0041

```

7260 \if@mtc@empty@minilofs@
7261 \mtcPackageWarningNoLine[W0041]{minitoc(hints)}%
7262 {You have attempted to insert
7263 \MessageBreak
7264 empty minilofs}
7265 \@mtc@hints@given@true
7266 \fi

```

`\if@mtc@empty@minilots@` For minilots:

W0042

```

7267 \if@mtc@empty@minilots@
7268 \mtcPackageWarningNoLine[W0042]{minitoc(hints)}%
7269 {You have attempted to insert
7270 \MessageBreak
7271 empty minilots}
7272 \@mtc@hints@given@true
7273 \fi

```

`\if@mtc@empty@secttoc@` For secttocs:

W0049

```

7274 \if@mtc@empty@secttoc@
7275 \mtcPackageWarningNoLine[W0049]{minitoc(hints)}%
7276 {You have attempted to insert
7277 \MessageBreak
7278 empty secttocs}
7279 \@mtc@hints@given@true
7280 \fi

```



`\if@mtc@empty@sectlof@` For sectlofs:

W0047

```
7281 \if@mtc@empty@sectlof@
7282   \mtcPackageWarningNoLine[W0047]{minitoc(hints)}%
7283   {You have attempted to insert
7284   \MessageBreak
7285   empty sectlofs}
7286   \@mtc@hints@given@true
7287 \fi
```

`\if@mtc@empty@sectlot@` For sectlots:

W0048

```
7288 \if@mtc@empty@sectlot@
7289   \mtcPackageWarningNoLine[W0048]{minitoc(hints)}%
7290   {You have attempted to insert
7291   \MessageBreak
7292   empty sectlots}
7293   \@mtc@hints@given@true
7294 \fi
```

#### 9.81.2.24 Check if obsolete commands have been used

This hint is just a reminder if you have used obsolete commands, which are also signalled in the *document.log* file.

`\if@firstpartis@used@` Obsolete macro `\firstpartis`:

W0051

```
7295 \if@firstpartis@used@
7296   \mtcPackageWarningNoLine[W0051]{minitoc(hints)}%
7297   {You have invoked an obsolete (ignored)
7298   \MessageBreak
7299   command: \string\firstpartis}
7300   \@mtc@hints@given@true
7301 \fi
```

`\if@firstchapteris@used@` Obsolete macro `\firstchapteris`:

W0050

```
7302 \if@firstchapteris@used@
7303   \mtcPackageWarningNoLine[W0050]{minitoc(hints)}%
7304   {You have invoked an obsolete (ignored)
7305   \MessageBreak
7306   command: \string\firstchapteris}
7307   \@mtc@hints@given@true
7308 \fi
```

`\if@firstsectionis@used@` Obsolete macro `\firstsectionis`:

W0052

```

7309 \if@firstsectionis@used@
7310   \mtcPackageWarningNoLine[W0052]{minitoc(hints)}%
7311   {You have invoked an obsolete (ignored)
7312   \MessageBreak
7313   command: \string\firstsectionis}
7314   \@mtc@hints@given@true
7315 \fi

```

### 9.81.2.25 Check if some hints have been written

`\if@mtc@hints@given@` We come at the end of the third part of the `hints` option: if problems have been detected, a warning is displayed; the warning is not displayed but only written in the `document.log` file if no problems have been detected. And we terminate the `\mtc@hints@enddoc` macro by a closing brace.

W0024

I0019

```

7316 \if@mtc@hints@given@
7317   \mtcPackageWarningNoLine[W0024]{minitoc(hints)}%
7318   {Some hints have been written
7319   \MessageBreak
7320   in the \jobname.log file}
7321 \else
7322   \mtcPackageInfo[I0019]{minitoc(hints)}%
7323   {No hints have been written
7324   \MessageBreak
7325   in the \jobname.log file.\@gobble}
7326 \fi
7327 }

```

## 9.82 Processing of options

`\InputIfFileExists` First, if possible, we apply the default language option, `english`:

`\ExecuteOptions`

```

7328   \InputIfFileExists{english.mld}%
7329   {\ExecuteOptions{english}}%

```



```

\mtcPackageError Else, we signal a severe error and provide the missing default titles:
\providecommand
  \ptctitle 7330      {\mtcPackageError[E0036]{minitoc}%
  \plftitle 7331      {Your minitoc installation is incomplete.
  \plttitle 7332      \MessageBreak
  \mtctitle 7333      The minitoc language object file (.mld),
  \mlftitle 7334      \MessageBreak
  \mlttitle 7335      english.mld is not found.
  \stctitle 7336      \MessageBreak
  \slftitle 7337      We will try to continue with default values}%
  \slttitle 7338      {See the minitoc documentation.
  \slttitle 7339      \MessageBreak
  7340      Please fix your minitoc installation.
  7341      \MessageBreak
  7342      Press <return> to continue}%
  7343      \providecommand{\ptctitle}{Table of Contents}%
  7344      \providecommand{\plftitle}{List of Figures}%
  7345      \providecommand{\plttitle}{List of Tables}%
  7346      \providecommand{\mtctitle}{Contents}%
  7347      \providecommand{\mlftitle}{Figures}%
  7348      \providecommand{\mlttitle}{Tables}%
  7349      \providecommand{\stctitle}{Contents}%
  7350      \providecommand{\slftitle}{Figures}%
  7351      \providecommand{\slttitle}{Tables}%
  7352      }%

```

\ProcessOptions\* Then, we execute all requested options: for most options, it is just setting a flag, or loading a file for the language options.

```
7353 \ProcessOptions*
```

We now examine the flags for some options and execute the necessary actions.

### 9.82.1 Processing the insection option

```

\if@mtc@ss@insection@ For the insection option, we load the placeins package [15] with its options verbose and
  \RequirePackage section, after the flafter package (described in [288] and [330, page 286]); the correct loading
  \@ifpackageloaded is verified:
\if@mtc@placeinsLoaded@
  7354 \if@mtc@ss@insection@
  7355   \RequirePackage{flafter}[2000/07/23]%
  7356   \RequirePackage[section,verbose]{placeins}[2005/04/18]%
  7357   \@ifpackageloaded{placeins}%
  7358     {\@mtc@placeinsLoaded@true}{\@mtc@placeinsLoaded@false}%
  7359 \fi

```

### 9.82.2 Processing the notoccite option

`\if@mtc@notoccite@` For the notoccite option, we just load the notoccite package [14]:  
`\RequirePackage`

```
7360 \if@mtc@notoccite@
7361   \RequirePackage{notoccite}%
7362 \fi
```

### 9.82.3 Processing the listfiles option

`\mtc@maf` We define the `\mtc@maf` macro which closes `\tf@mtc` and reopens it to write into the file `document.maf`. It calls `\mtc@maf@long` or `\mtc@maf@short` (long or short extensions),  
`\if@mtc@longext@` then closes `\tf@mtc`. `\mtc@maf@long` or `\mtc@maf@short` writes the names of the exist-  
`\mtc@maf@long` ing auxiliary files using decrementing loops on the associated counters, and includes `docu-`  
`\mtc@maf@short` `ment.mtc` in the list (but *not* the `document.maf`<sup>18</sup> file). We must also check the existence of  
`\mtc@addtomaf` `\jobname.mtc` if long extensions are used.  
`\IfFileExists`

I0009

```
\jobname 7363 \def\mtc@maf{%
7364     \mtcPackageInfo[I0009]{minitoc}%
7365         {Listing minitoc auxiliary files.
7366         \MessageBreak
7367         Creating the \jobname.maf file\@gobble}
7368     \immediate\closeout\tf@mtc
7369     \immediate\openout\tf@mtc \jobname.maf
7370     \if@mtc@longext@\mtc@maf@long\else\mtc@maf@short\fi
7371     \immediate\closeout\tf@mtc}
7372 \def\mtc@addtomaf#1{%
7373   \IfFileExists{#1}{\immediate\write\tf@mtc{#1}}{}}
7374 \def\mtc@maf@long{%
7375     \mtc@addtomaf{\jobname.mtc}
7376     \mtc@addtomaf{\jobname.mtc0}
7377 \@ifundefined{c@ptc}{\loop\ifnum\c@ptc>\z@\relax
7378   \mtc@addtomaf{\jobname.ptc\arabic{ptc}}
7379   \mtc@addtomaf{\jobname.plf\arabic{ptc}}
7380   \mtc@addtomaf{\jobname.plt\arabic{ptc}}
7381   \advance\c@ptc\m@ne\repeat}
7382 \@ifundefined{c@mtc}{\loop\ifnum\c@mtc>\z@\relax
7383   \mtc@addtomaf{\jobname.mtc\arabic{mtc}}
7384   \mtc@addtomaf{\jobname.mlf\arabic{mtc}}
7385   \mtc@addtomaf{\jobname.mlt\arabic{mtc}}
7386   \advance\c@mtc\m@ne\repeat}
7387 \@ifundefined{c@stc}{\loop\ifnum\c@stc>\z@\relax
7388   \mtc@addtomaf{\jobname.stc\arabic{stc}}
7389   \mtc@addtomaf{\jobname.slf\arabic{stc}}
7390   \mtc@addtomaf{\jobname.slt\arabic{stc}}
7391   \advance\c@stc\m@ne\repeat}}
```

<sup>18</sup> Some users could made a cleanup using this file as a list of files to delete, so it must not be in the list.

```

7393 \def\mtc@maf@short{%
7394     \mtc@addtomaf{\jobname.mtc}
7395 \@ifundefined{c@ptc}{\loop\ifnum\c@ptc>\z@ \relax
7396     \mtc@addtomaf{\jobname.P\arabic{ptc}}
7397     \mtc@addtomaf{\jobname.G\arabic{ptc}}
7398     \mtc@addtomaf{\jobname.U\arabic{ptc}}
7399     \advance\c@ptc\m@ne\repeat}
7400 \@ifundefined{c@mtc}{\loop\ifnum\c@mtc>\z@ \relax
7401     \mtc@addtomaf{\jobname.M\arabic{mtc}}
7402     \mtc@addtomaf{\jobname.F\arabic{mtc}}
7403     \mtc@addtomaf{\jobname.T\arabic{mtc}}
7404     \advance\c@mtc\m@ne\repeat}
7405 \@ifundefined{c@stc}{\loop\ifnum\c@stc>\z@ \relax
7406     \mtc@addtomaf{\jobname.S\arabic{stc}}
7407     \mtc@addtomaf{\jobname.H\arabic{stc}}
7408     \mtc@addtomaf{\jobname.V\arabic{stc}}
7409     \advance\c@stc\m@ne\repeat}}

```

```

\if@mtc@listfiles@ If this option is active, we call \mtc@maf in an \AtEndDocument block.
\AtEndDocument
\mtc@maf 7410 \if@mtc@listfiles@\AtEndDocument{\mtc@maf}\else\fi

```

### 9.82.4 Processing the hints option

```

\if@mtc@hints@ For the hints option, we set its first part in an \AtBeginDocument block and its third (last)
\AtBeginDocument part in an \AtEndDocument block:
\mtc@hints@begindoc
\AtEndDocument 7411 \if@mtc@hints@
\mtc@hints@enddoc 7412 \AtBeginDocument{\mtc@hints@begindoc}%
7413 \AtEndDocument{\mtc@hints@enddoc}%
7414 \fi

```

### 9.82.5 Saving the sectionning commands

And, at least, we save the definitions of sectionning commands (and of their unstarred and starred branches), for comparaisons (this is a part of the hints option executed in the preamble):

```

\@ifundefined For the \part command:
\mtc@hints@part
\part 7415 \@ifundefined{part}{\let\mtc@hints@part\part
\mtc@hints@@part 7416 \let\mtc@hints@@part\@part
\@part 7417 \let\mtc@hints@@spart\@spart}
\mtc@hints@@spart
\@spart

```

```

\@ifundefined For the \chapter command:
\mtc@hints@chapter
  \chapter 7418 \@ifundefined{chapter}{}{\let\mtc@hints@chapter\chapter}
\mtc@hints@@chapter 7419 \let\mtc@hints@@chapter\@chapter
  \@chapter 7420 \let\mtc@hints@@schapter\@schapter}
\mtc@hints@schapter
  \@schapter

```

```

\@ifundefined For the \section command:
\mtc@hints@section
  \section 7421 \@ifundefined{section}{}{\let\mtc@hints@section\section}
\mtc@hints@@sect 7422 \let\mtc@hints@@sect\@sect
  \@sect 7423 \let\mtc@hints@@ssect\@ssect}
\mtc@hints@ssect
  \@ssect

```

### 9.83 Trapping the undefined preparation and insertion commands

`\mtc@classck` It may happen that you use a preparation command (like `\dominitoc`) or an insertion command (like `\dominitoc`) in a document using a class where that command is not available (like `article`). To get a better diagnostic for such errors, we intercept such commands by providing a default definition which just emits an error message. These default definitions are made in an `\AtBeginDocument` block.

E0037

```

7424 \def\mtc@classck#1{%
7425   \mtcPackageError[E0037]{minitoc}%
7426     {The \csname #1\endcsname\space command is incompatible
7427       \MessageBreak
7428       with the document class}%
7429     {Correct the source code.
7430       \MessageBreak
7431       Type <return> and rerun LaTeX}%
7432 }%

```

`\AtBeginDocument` An `\AtBeginDocument` bloc:

```
7433 \AtBeginDocument{%
```

`\providecommand` Part-level preparation commands:

```

\doparttoc
\dopartlof 7434 \providecommand{\doparttoc}[1][1]{\mtc@classck{doparttoc}}%
\dopartlot 7435 \providecommand{\dopartlof}[1][1]{\mtc@classck{dopartlof}}%
7436 \providecommand{\dopartlot}[1][1]{\mtc@classck{dopartlot}}%

```

```

\dominitoc Chapter-level preparation commands:
\dominilof
\dominilot 7437 \providecommand{\dominitoc}[1][1]{\mtc@classck{dominitoc}}%
           7438 \providecommand{\dominilof}[1][1]{\mtc@classck{dominilof}}%
           7439 \providecommand{\dominilot}[1][1]{\mtc@classck{dominilot}}%

\dosecttoc Section-level preparation commands:
\dosectlof
\dosectlot 7440 \providecommand{\dosecttoc}[1][1]{\mtc@classck{dosecttoc}}%
           7441 \providecommand{\dosectlof}[1][1]{\mtc@classck{dosectlof}}%
           7442 \providecommand{\dosectlot}[1][1]{\mtc@classck{dosectlot}}%

\parttoc Part-level insertion commands:
\partlof
\partlot 7443 \providecommand{\parttoc}[1][1]{\mtc@classck{parttoc}}%
          7444 \providecommand{\partlof}[1][1]{\mtc@classck{partlof}}%
          7445 \providecommand{\partlot}[1][1]{\mtc@classck{partlot}}%

\minitoc Chapter-level insertion commands:
\minilof
\minilot 7446 \providecommand{\minitoc}[1][1]{\mtc@classck{minitoc}}%
          7447 \providecommand{\minilof}[1][1]{\mtc@classck{minilof}}%
          7448 \providecommand{\minilot}[1][1]{\mtc@classck{minilot}}%

\secttoc Section-level insertion commands:
\sectlof
\sectlot 7449 \providecommand{\secttoc}[1][1]{\mtc@classck{secttoc}}%
          7450 \providecommand{\sectlof}[1][1]{\mtc@classck{sectlof}}%
          7451 \providecommand{\sectlot}[1][1]{\mtc@classck{sectlot}}%
          7452 }

And the package is terminated.

7453 </minitoc>

```

## 9.84 The minitoc-fr.dtx file

```

\jobname This short file is necessary to create the french documentation. Its rôle is to set \jobname
\input   to minitoc-fr in place of minitoc. As minitoc.ins generates the minitoc.lan and
         minitoc-fr.lan files which set a language number \LANG, and minitoc.dtx reads then the
         \jobname.lan file, the documentation can be in several languages (english and french here)
         in minitoc.dtx, the language being selected by \ifcase\LANG\relax ... \or\relax ...
         \fi constructs. The \relax primitives are necessary to avoid bad surprises.

```

```
7454 (*minitoc – fr)
7455 \ProvidesFile{minitoc-fr.dtx}%
7456           [2008/07/16 minitoc v60 french documentation start file]
7457 \input{minitoc.dtx}
7458 \end{minitoc – fr}
```



# Chapter 10

## Commented code of the mtcoff package

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---

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---

## 10.1 Why mtcoff?

The minitoc package [156, 157] requires that the user inserts many commands in the source code of her/his document, and not only into the preamble of the document. Hence the concept of a replacement package, mtcoff (means “minitoc off”), which substitutes to all commands and environments of the minitoc package some alternative commands and environments with the same names and syntaxes, but doing nothing (except emitting some harmless warnings, for special cases). This way, to turn off easily the minitoc package, you just have to write, in the preamble of your document, something like:

```
\usepackage[...options...]{minitoc}
%\usepackage{mtcoff}
```

then the minitoc package is activated with the specified options. If you modify this two lines this way:

```
%\usepackage[...options...]{minitoc}
\usepackage{mtcoff}
```

then the minitoc package is deactivated and all its commands and environments are ignored. This is much easier, faster and safer than commenting out all the commands and environments of minitoc. Moreover, this operation is reversible.

## 10.2 Identification of the package

`\NeedsTeXFormat` First, we identify the package and check the version of  $\LaTeX$ <sup>1</sup>; we need the mtcmess package  
`\ProvidesPackage` to write messages with unique identifiers.

```
7459 (*mtcoff)
7460 \NeedsTeXFormat{LaTeX2e}%
7461 \ProvidesPackage{mtcoff}[2008/07/16 v60 The mtcoff package]
7462 \RequirePackage{mtcmess}[2006/03/14]
```

---

<sup>1</sup> This checking is not really useful for the mtcoff package itself, but it is good to check that your version of  $\LaTeX$  is not too old to support minitoc.

### 10.3 Faking counters and dimensions

```

\count@ As minitoc declares some counters and dimensions registers, we fake them using \count@
\dimen@ or \dimen@. For \mtcskipamount, we must use its default definition, \bigskipamount.
\c@minitocdepth
  \mtcindent 7463 \let\c@minitocdepth\count@
\mtcskipamount 7464 \let\mtcindent\dimen@
\bigskipamount 7465 \let\mtcskipamount\bigskipamount
\c@parttocdepth 7466 \let\c@parttocdepth\count@
  \mtcindent 7467 \let\ptcindent\dimen@
\c@secttocdepth 7468 \let\c@secttocdepth\count@
  \stcindent 7469 \let\stcindent\dimen@

```

```

\c@mtc The basic mini-table counters are provided by \count@:
\c@ptc
\c@stc 7470 \let\c@mtc\count@ \let\c@ptc\count@ \let\c@stc\count@

```

```

\mtcgapbeforeheads The gaps before and after parttoc heads receive their default values:
\mtcgapafterheads
7471 \def\mtcgapbeforeheads{50\p@} \def\mtcgapafterheads{40\p@}

```

```

\@ifundefined We must define the macros for the vertical kernings between the minitables and their before
\kernafterparttoc the bottom rule. The default values are used. We must issue a warning if one of these macros
\kernafterpartlof is used.
\kernafterpartlot
\kernaftersecttoc 7472 \@ifundefined{part}{%
\kernaftersectlof 7473 \def\kernafterparttoc{%
\kernaftersectlot 7474 \mtcoffwarn@true
\kernafterminitoc 7475 \mtcPackageWarning[F0008]{mtcoff}%
\kernafterminilof 7476 {The macro \string\kernafterparttoc
\kernafterminilot 7477 \MessageBreak
7478 should not be used out of context
7479 \MessageBreak}%
7480 \kern-1.\baselineskip\kern.5ex}%
7481 \def\kernafterpartlof{%
7482 \mtcoffwarn@true
7483 \mtcPackageWarning[F0008]{mtcoff}%
7484 {The macro \string\kernafterpartlof
7485 \MessageBreak
7486 should not be used out of context
7487 \MessageBreak}%
7488 \kern-1.\baselineskip\kern.5ex}%
7489 \def\kernafterpartlot{%
7490 \mtcoffwarn@true
7491 \mtcPackageWarning[F0008]{mtcoff}%
7492 {The macro \string\kernafterpartlot

```

F0008

```

7493     \MessageBreak
7494     should not be used out of context
7495     \MessageBreak}%
7496     \kern-1.\baselineskip\kern.5ex}%
7497     }%
7498     \@ifundefined{chapter}{%
7499     \@ifundefined{section}{}%
7500     {%
7501     \def\kernaftersecttoc{%
7502     \mtcoffwarn@true
7503     \mtcPackageWarning[F0008]{mtcoff}%
7504     {The macro \string\kernaftersecttoc
7505     \MessageBreak
7506     should not be used out of context
7507     \MessageBreak}%
7508     \kern-1.\baselineskip\kern.5ex}%
7509     \def\kernaftersectlof{%
7510     \mtcoffwarn@true
7511     \mtcPackageWarning[F0008]{mtcoff}%
7512     {The macro \string\kernaftersectlof
7513     \MessageBreak
7514     should not be used out of context
7515     \MessageBreak}%
7516     \kern-1.\baselineskip\kern.5ex}%
7517     \def\kernaftersectlot{%
7518     \mtcoffwarn@true
7519     \mtcPackageWarning[F0008]{mtcoff}%
7520     {The macro \string\kernaftersectlot
7521     \MessageBreak
7522     should not be used out of context
7523     \MessageBreak}%
7524     \kern-1.\baselineskip\kern.5ex}%
7525     }%
7526     }%
7527     {%
7528     \def\kernafterminitoc{%
7529     \mtcoffwarn@true
7530     \mtcPackageWarning[F0008]{mtcoff}%
7531     {The macro \string\kernafterminitoc
7532     \MessageBreak
7533     should not be used out of context
7534     \MessageBreak}%
7535     \kern-.5\baselineskip\kern.5ex}%
7536     \def\kernafterminilof{%
7537     \mtcoffwarn@true
7538     \mtcPackageWarning[F0008]{mtcoff}%
7539     {The macro \string\kernafterminilof
7540     \MessageBreak
7541     should not be used out of context
7542     \MessageBreak}%
7543     \kern-1.\baselineskip\kern.0ex}%
7544     \def\kernafterminilot{%
7545     \mtcoffwarn@true
7546     \mtcPackageWarning[F0008]{mtcoff}%

```

```

7547             {The macro \string\kernafterminilot
7548             \MessageBreak
7549             should not be used out of context
7550             \MessageBreak}%
7551     \kern-1.\baselineskip\kern.0ex}%
7552     }%

```

\@ifundefined We must define the macros for the horizontal offsets of the mini-tables. The default values are used. We must issue a warning if one of these macros is used.

F0009

```

\plffoffset
\pltoffset 7553     \@ifundefined{part}{}{}%
\stcoffset 7554     \def\ptcoffset{%
\slffoffset 7555     \mtcoffwarn@true
\sltoffset 7556     \mtcPackageWarning[F0009]{mtcoff}%
\mtcoffset 7557     {The macro \string\ptcoffset
\slffoffset 7558     \MessageBreak
\mltoffset 7559     should not be used out of context
7560     \MessageBreak}%
7561     \opt}%
7562     \def\plffoffset{%
7563     \mtcoffwarn@true
7564     \mtcPackageWarning[F0009]{mtcoff}%
7565     {The macro \string\plffoffset
7566     \MessageBreak
7567     should not be used out of context
7568     \MessageBreak}%
7569     \opt}%
7570     \def\pltoffset{%
7571     \mtcoffwarn@true
7572     \mtcPackageWarning[F0009]{mtcoff}%
7573     {The macro \string\pltoffset
7574     \MessageBreak
7575     should not be used out of context
7576     \MessageBreak}%
7577     \opt}%
7578     }%
7579     \@ifundefined{chapter}{}%
7580     \@ifundefined{section}{}{}%
7581     {%
7582     \def\stcoffset{%
7583     \mtcoffwarn@true
7584     \mtcPackageWarning[F0009]{mtcoff}%
7585     {The macro \string\stcoffset
7586     \MessageBreak
7587     should not be used out of context
7588     \MessageBreak}%
7589     \opt}%
7590     \def\slffoffset{%
7591     \mtcoffwarn@true
7592     \mtcPackageWarning[F0009]{mtcoff}%
7593     {The macro \string\slffoffset
7594     \MessageBreak

```

```

7595             should not be used out of context
7596             \MessageBreak}%
7597     \opt}%
7598   \def\sltoffset{%
7599     \mtcoffwarn@true
7600     \mtcPackageWarning[F0009]{mtcoff}%
7601     {The macro \string\sltoffset
7602     \MessageBreak
7603     should not be used out of context
7604     \MessageBreak}%
7605   \opt}%
7606             }%
7607             }%
7608             {%
7609   \def\mtcoffset{%
7610     \mtcoffwarn@true
7611     \mtcPackageWarning[F0009]{mtcoff}%
7612     {The macro \string\mtcoffset
7613     \MessageBreak
7614     should not be used out of context
7615     \MessageBreak}%
7616   \opt}%
7617   \def\slfoffset{%
7618     \mtcoffwarn@true
7619     \mtcPackageWarning[F0009]{mtcoff}%
7620     {The macro \string\slfoffset
7621     \MessageBreak
7622     should not be used out of context
7623     \MessageBreak}%
7624   \opt}%
7625   \def\mltoffset{%
7626     \mtcoffwarn@true
7627     \mtcPackageWarning[F0009]{mtcoff}%
7628     {The macro \string\mltoffset
7629     \MessageBreak
7630     should not be used out of context
7631     \MessageBreak}%
7632   \opt}%
7633             }%

```

## 10.4 Faking simple commands

```

\fakeableofcontents Some user commands are easy to fake:
\fakeinfofigures
\fakeinfoftables 7634 \let\fakeableofcontents\relax
\mtcskip 7635 \let\fakeinfofigures\relax
7636 \let\fakeinfoftables\relax
7637 \let\mtcskip\relax

```

```

\adjustptc Basic adjustment commands are also easy:
\adjustmtc
\adjuststc 7638 \newcommand{\adjustptc}[1][1]{\relax}
\decrementptc 7639 \newcommand{\adjustmtc}[1][1]{\relax}
\decrementmtc 7640 \newcommand{\adjuststc}[1][1]{\relax}
\decrementstc 7641 \let\decrementptc\relax \let\incrementptc\relax
\incrementptc 7642 \let\decrementmtc\relax \let\incrementmtc\relax
\incrementmtc 7643 \let\decrementstc\relax \let\incrementstc\relax
\incrementstc

\partend The following commands are not directly called by the user, in normal circumstances, but must
\partbegin be faked:
\chapterend
\chapterbegin 7644 \let\partend\relax \let\partbegin\relax
\sectend 7645 \let\chapterend\relax \let\chapterbegin\relax
\sectbegin 7646 \let\sectend\relax \let\sectbegin\relax

```

## 10.5 Faking commands with one optional argument

`\gobbleopt@` The user commands with an optional argument are faked using the internal  $\LaTeX$  macro `\ifnextchar` (to get the optional argument) and the new utility command `\gobbleopt@`.

```
7647 \def\gobbleopt@[#1]{\relax}
```

```

\@ifnextchar Commands for part level mini-tables:
\doparttoc
\dopartlof 7648 \def\doparttoc{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
\dopartlot 7649 \def\dopartlof{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
\parttoc 7650 \def\dopartlot{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
\partlof 7651 \def\parttoc{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
\partlot 7652 \def\partlof{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
7653 \def\partlot{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}

\@ifnextchar Commands for chapter level mini-tables:
\dominitoc
\dominilof 7654 \def\dominitoc{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
\dominilot 7655 \def\dominilof{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
\minitoc 7656 \def\dominilot{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
\minilof 7657 \def\minitoc{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
\minilot 7658 \def\minilof{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}
7659 \def\minilot{\@ifnextchar[\gobbleopt@]{\gobbleopt@[1]}}

```

```

\@ifnextchar  Commands for section level mini-tables:
  \dosecttoc
  \dosectlof 7660 \def\dosecttoc{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
  \dosectlot 7661 \def\dosectlof{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
  \secttoc   7662 \def\dosectlot{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
  \sectlof   7663 \def\secttoc{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
  \sectlot   7664 \def\sectlof{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}
  \sectlot   7665 \def\sectlot{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}

\@ifnextchar  Command \mtcprepare:
  \mtcprepare
  7666 \def\mtcprepare{\@ifnextchar[{\gobbleopt@}{\gobbleopt@[1]}}

```

## 10.6 Faking flags

```

\ifinparttoc  We defines flags which were true when inside a mini-table of the matching type, false outside.
\ifinpartlof
\ifinpartlot  7667 \newif\ifinparttoc\inparttocfalse%
\ifinminitoc  7668 \newif\ifinpartlof\inpartloffalse%
\ifinminilof  7669 \newif\ifinpartlot\inpartlotfalse%
\ifinminilot  7670 \newif\ifinsecttoc\insecttocfalse%
\ifinsecttoc  7671 \newif\ifinsectlof\insectloffalse%
\ifinsectlof  7672 \newif\ifinsectlot\insectlotfalse%
\ifinsectlot  7673 \newif\ifinminitoc\inminitocfalse%
  7674 \newif\ifinminilof\inminiloffalse%
  7675 \newif\ifinminilot\inminilotfalse%

```

## 10.7 Disabling the internal commands

```

\@gobbletwo  We need also to disable some minitoc commands, with \relax (macros with no argument) or
  \tf@mtc    \@gobbletwo (macros with two arguments):
  \mtc@string
\appendixmtc 7676 \let\tf@mtc\count@
\l@xchapter  7677 \let\mtc@string\relax
  \xchapter  7678 \let\appendixmtc\relax
  \pchapter  7679 \let\l@xchapter\@gobbletwo
    \psect   7680 \let\xchapter\relax
  \l@xpart   7681 \let\pchapter\relax
    \xpart   7682 \let\psect\relax
  \l@xsect   7683 \let\l@xpart\@gobbletwo
    \xsect   7684 \let\xpart\relax
  \xsect     7685 \let\l@xsect\@gobbletwo
  7686 \let\xsect\relax

```



## 10.8 Disabling the font commands

`\empty` We disable the minitoc font commands (like `\mtcSSfont`) with `\empty`, because some users might have used:

```
\renewcommand{\mtcSSfont}{...}
```

which will not work if we use `\relax` here.

```

\ptcfont  Fonts for part level mini-tables:
\ptcCfont
\ptcSfont 7687 \let\ptcfont\empty
\ptcSSfont 7688 \let\ptcCfont\empty
\ptcSSSfont 7689 \let\ptcSfont\empty
\ptcPfont 7690 \let\ptcSSfont\empty
\ptcSPfont 7691 \let\ptcSSSfont\empty
\plffont 7692 \let\ptcPfont\empty
\plfSfont 7693 \let\ptcSPfont\empty
\pltfont 7694 \let\plffont\empty
\pltSfont 7695 \let\plfSfont\empty
\ptifont 7696 \let\pltfont\empty
          7697 \let\pltSfont\empty
          7698 \let\ptifont\empty

\mtcfont  Fonts for chapter level mini-tables:
\mtcSfont
\mtcSSfont 7699 \let\mtcfont\empty
\mtcSSSfont 7700 \let\mtcSfont\empty
\mtcPfont 7701 \let\mtcSSfont\empty
\mtcSPfont 7702 \let\mtcSSSfont\empty
\mlffont 7703 \let\mtcPfont\empty
\mlfSfont 7704 \let\mtcSPfont\empty
\mltfont 7705 \let\mlffont\empty
\mltSfont 7706 \let\mlfSfont\empty
\mtifont 7707 \let\mltfont\empty
          7708 \let\mltSfont\empty
          7709 \let\mtifont\empty

\stcfont  Fonts for section level mini-tables:
\stcSSfont
\stcSSSfont 7710 \let\stcfont\empty
\stcPfont 7711 \let\stcSSfont\empty
\stcSPfont 7712 \let\stcSSSfont\empty
\slffont 7713 \let\stcPfont\empty
\slfSfont 7714 \let\stcSPfont\empty
\sltfont 7715 \let\slffont\empty
\sltSfont
\stifont

```

```

7716 \let\slfSfont\empty
7717 \let\sltfont\empty
7718 \let\sltSfont\empty
7719 \let\stifont\empty

```

`\coffeeFont` Font for “coffee” ☕ lines:

```

7720 \let\coffeeFont\empty

```

## 10.9 Disabling the `\mtcset...` commands

```

\@gobbletwo These commands use two or three mandatory arguments:
\mtcsetdepth
\mtcsetoffset 7721 \let\mtcsetdepth\@gobbletwo
\mtcsetFont 7722 \let\mtcsetoffset\@gobbletwo
\mtcsettitlefont 7723 \def\mtcsetFont#1#2#3{\empty}
\mtcsettitle 7724 \let\mtcsettitlefont\@gobbletwo
\mtcsetformat 7725 \let\mtcsettitle\@gobbletwo
\mtcsetfeature 7726 \def\mtcsetformat#1#2#3{\empty}
\mtcsetpagenumbers 7727 \def\mtcsetfeature#1#2#3{\empty}
\mtcsetrules 7728 \let\mtcsetpagenumbers\@gobbletwo
7729 \let\mtcsetrules\@gobbletwo

```

## 10.10 Disabling the `\mtcpolym...` commands

```

\DeclareRobustCommand We simulate these commands by keeping only the fourth argument; they must still be robust.
\mtcpolymtoc
\mtcpolymlof 7730 % \DeclareRobustCommand{\mtcpolymtoc}[4]{{#4}}
\mtcpolymlot 7731 % \DeclareRobustCommand{\mtcpolymlof}[4]{{#4}}
7732 % \DeclareRobustCommand{\mtcpolymlot}[4]{{#4}}

```

## 10.11 Disabling the new `\l@...` commands

```

\l@starpart The minitoc package defines the \l@starXXX commands to format TOC entries for starred
\l@starchapter sectioning commands. We reset to the unstarred version, when necessary:
\l@starsection
\l@starsubsection 7733 \@ifundefined{part}{}{\let\l@starpart\l@part}
\l@starsubsubsection 7734 \@ifundefined{chapter}{}{\let\l@starchapter\l@chapter}
\l@starparagraph 7735 \@ifundefined{section}{}{\let\l@starsection\l@section}
\l@starsubparagraph

```

```

7736 \@ifundefined{subsection}{}{\let\l@starsubsection\l@section}
7737 \@ifundefined{subsubsection}{}{\let\l@starsubsubsection\l@subsubsection}
7738 \@ifundefined{paragraph}{}{\let\l@starparagraph\l@paragraph}
7739 \@ifundefined{subparagraph}{}{\let\l@starsubparagraph\l@subparagraph}

```

## 10.12 Ignore the obsolete commands

```

\@gobble We just ignore the obsolete commands (with one mandatory argument):
\firstpartis
\firstchapteris 7740 \let\firstpartis\@gobble \let\firstchapteris\@gobble \let\firstsectionis\@gobble
\firstsectionis

```

## 10.13 Disabling the \mtcselectlanguage and \mtcloadmlo commands

```

\@gobble These command have one mandatory argument:
\mtcselectlanguage
\mtcloadmlo 7741 \let\mtcselectlanguage\@gobble \let\mtcloadmlo\@gobble

```

## 10.14 Disabling the commands for the horizontal rules

```

\ptcrule These commands have no argument:
\noptcrule
\mtcrule 7742 \let\ptcrule\relax
\nomtcrule 7743 \let\noptcrule\relax
\stcrule 7744 \let\mtcrule\relax
\nostcrule 7745 \let\nomtcrule\relax
\plfrule 7746 \let\stcrule\relax
\noplfrule 7747 \let\nostcrule\relax
\mlfrule 7748 \let\plfrule\relax
\nomlfrule 7749 \let\noplfrule\relax
\slfrule 7750 \let\mlfrule\relax
\noslfrule 7751 \let\nomlfrule\relax
\pltrule 7752 \let\slfrule\relax
\nopltrule 7753 \let\noslfrule\relax
\mltrule 7754 \let\pltrule\relax
\nomltrule 7755 \let\nopltrule\relax
\sltrule 7756 \let\mltrule\relax
\nosltrule 7757 \let\nomltrule\relax
7758 \let\sltrule\relax
7759 \let\nosltrule\relax

```

## 10.15 Disabling the commands for the page numbers

```

\ptcpagenumbers  These commands have no argument:
\noptcpagenumbers
\mtcpagenumbers  7760 \let\mtcpagenumbers\relax
\nomtcpagenumbers 7761 \let\nomtcpagenumbers\relax
\stcpagenumbers  7762 \let\stcpagenumbers\relax
\nostcpagenumbers 7763 \let\nostcpagenumbers\relax
\plfpagenumbers  7764 \let\plfpagenumbers\relax
\noplfpagenumbers 7765 \let\noplfpagenumbers\relax
\mlfpagenumbers  7766 \let\mlfpagenumbers\relax
\nomlfpagenumbers 7767 \let\nomlfpagenumbers\relax
\slfpagenumbers  7768 \let\slfpagenumbers\relax
\noslfpagenumbers 7769 \let\noslfpagenumbers\relax
\pltpagenumbers  7770 \let\pltpagenumbers\relax
\nopltpagenumbers 7771 \let\nopltpagenumbers\relax
\mltpagenumbers  7772 \let\mltpagenumbers\relax
\nomltpagenumbers 7773 \let\nomltpagenumbers\relax
\sltpagenumbers  7774 \let\sltpagenumbers\relax
\nosltpagenumbers 7775 \let\nosltpagenumbers\relax
\pltpagenumbers  7776 \let\pltpagenumbers\relax
\nopltpagenumbers 7777 \let\nopltpagenumbers\relax

```

## 10.16 Disabling the mini-table features commands

We disable the commands for features (like `\beforeparttoc`) with `\empty`, because some users may have used:

```
\renewcommand{\beforeparttoc}{...}
```

which will not work if we use `\relax` here. These commands have no argument,

```

\beforeparttoc  Commands for part level mini-tables:
\beforepartlof
\beforepartlot  7778 \let\beforeparttoc\empty
\afterparttoc  7779 \let\beforepartlof\empty
\afterpartlof  7780 \let\beforepartlot\empty
\afterpartlot  7781 \let\afterparttoc\empty
\openparttoc  7782 \let\afterpartlof\empty
\openpartlof  7783 \let\afterpartlot\empty
\openpartlot  7784 \let\openparttoc\empty
\closeparttoc  7785 \let\openpartlof\empty
\closepartlof  7786 \let\openpartlot\empty
\closepartlot  7787 \let\closeparttoc\empty
\thispageparttocstyle 7788 \let\closepartlof\empty
\thispagepartlofstyle 7789 \let\closepartlot\empty
\thispagepartlotstyle

```

```
7790 \let\thispageparttocstyle\empty
7791 \let\thispagepartlofstytle\empty
7792 \let\thispagepartlotstyle\empty
```

```
\beforeminitoc  Commands for chapter level mini-tables:
\beforeminilof
\beforeminilot 7793 \let\beforeminitoc\empty
\afterminitoc 7794 \let\beforeminilof\empty
\afterminilof 7795 \let\beforeminilot\empty
\afterminilot 7796 \let\afterminitoc\empty
\openminitoc 7797 \let\afterminilof\empty
\openminilof 7798 \let\afterminilot\empty
\openminilot 7799 \let\openminitoc\empty
\closeminitoc 7800 \let\openminilof\empty
\closeminilof 7801 \let\openminilot\empty
\closeminilot 7802 \let\closeminitoc\empty
\thispageminilofstyle 7803 \let\closeminilof\empty
\thispageminilotstyle 7804 \let\closeminilot\empty
\thispageminilofstyle 7805 \let\thispageminilofstyle\empty
\thispageminilotstyle 7806 \let\thispageminilofstyle\empty
7807 \let\thispageminilotstyle\empty
```

```
\beforesecttoc  Commands for section level mini-tables:
\beforesectlof
\beforesectlot 7808 \let\beforesecttoc\empty
\aftersecttoc 7809 \let\beforesectlof\empty
\aftersectlof 7810 \let\beforesectlot\empty
\aftersectlot 7811 \let\aftersecttoc\empty
\opensecttoc 7812 \let\aftersectlof\empty
\opensectlof 7813 \let\aftersectlot\empty
\opensectlot 7814 \let\opensecttoc\empty
\closesecttoc 7815 \let\opensectlof\empty
\closesectlof 7816 \let\opensectlot\empty
\closesectlot 7817 \let\closesecttoc\empty
\thispagesectlofstyle 7818 \let\closesectlof\empty
\thispagesectlotstyle 7819 \let\closesectlot\empty
\thispagesectlofstyle 7820 \let\thispagesecttocstyle\empty
\thispagesectlotstyle 7821 \let\thispagesectlofstyle\empty
7822 \let\thispagesectlotstyle\empty
```

## 10.17 Disabling miscellaneous flags and commands

```
\if@mtc@longext@  There are some flags and commands that it is wise to declare:
  \iftightmtc
  \ifktightmtc 7823 \newif\if@mtc@longext@ \@mtc@longext@true
  \ifundottedmtc 7824 \newif\iftightmtc \tightmtcfalse
    \l@listof
\ifmtcsecondpart
  \chapter
```

```

7825 \newif\ifktightmtc \ktightmtcfalse
7826 \newif\ifundottedmtc \undottedmtcfalse
7827 \newif\ifmtcsecondpart \mtcsecondpartfalse
7828 \let\l@listof\chapter

```

## 10.18 Caution for some commands

`\AtBeginDocument` Some minitoc commands should eventually be replaced if you decide to *definitely* stop using the minitoc package with your document. So we declare a flag and an `\AtEndDocument` block to signal that you have used these commands:



F0007

```

7829 \newif\ifmtcoffwarn@ \mtcoffwarn@false
7830 \AtEndDocument{\ifmtcoffwarn@
7831   \mtcPackageWarningNoLine[F0007]{mtcoff}%
7832   {You should scan (backwards) your .log
7833     \MessageBreak
7834     file to find some commands needing
7835     \MessageBreak
7836     to be replaced if you decide to
7837     \MessageBreak
7838     DEFINITELY stop using minitoc for this
7839     \MessageBreak
7840     document. It is more wise to keep the
7841     \MessageBreak
7842     \string\usepackage\space lines for minitoc and mtcoff
7843     \MessageBreak
7844     and to comment out only one of them}
7845 \fi}

```

`\mtcaddchapter` Then these commands are disabled and they set the flag and give a warning (useful to get the  
`\mtcaddsection` line number):

F0004

F0006

F0005

```

\mtcaddpart
\ifmtcoffwarn@
\mtc@ck
\addcontentsline
7846 \newcommand{\mtcaddchapter}[1][\mtcoffwarn@true
7847   \mtcPackageWarning[F0004]{mtcoff}%
7848   {\protect\mtcaddchapter{...} should be replaced
7849     \MessageBreak
7850     by \protect\addcontentsline{toc}{chapter}{...}
7851     \MessageBreak}
7852 \def\mtc@ck{#1}
7853 \ifx\mtc@ck\empty
7854 \else
7855   \addcontentsline{toc}{chapter}{#1}%
7856 \fi}
7857 \newcommand{\mtcaddsection}[1][\mtcoffwarn@true
7858   \mtcPackageWarning[F0006]{mtcoff}%
7859   {\protect\mtcaddsection{...} should be replaced
7860     \MessageBreak
7861     by \protect\addcontentsline{toc}{section}{...}

```

```

7862     \MessageBreak}
7863 \def\mtc@ck{#1}
7864 \ifx\mtc@ck\empty
7865 \else
7866     \addcontentsline{toc}{part}{#1}%
7867 \fi}
7868 \newcommand{\mtcaddpart}[1][\mtcoffwarn@true
7869     \mtcPackageWarning[F0005]{mtcoff}%
7870     {\protect\mtcaddpart{...} should be replaced
7871     \MessageBreak
7872     by \protect\addcontentsline{toc}{part}{...}
7873     \MessageBreak}
7874 \def\mtc@ck{#1}
7875 \ifx\mtc@ck\empty
7876 \else
7877     \addcontentsline{toc}{part}{#1}%
7878 \fi}

```

## 10.19 Disabling commands for “coffee”

```

\addcoffeeline We disable the commands relative to “coffee” lines, and the specific version of contents lines
\coffeeline without leaders of dots:
\@gobble
\@Undottedtocline 7879 \def\addcoffeeline#1#2#3{\relax}
\@Undottedtoclinep 7880 \let\coffeeline\@gobble
7881 \let\l@coffee\relax
7882 \def\@Undottedtocline#1#2#3#4#5{\relax}
7883 \def\@Undottedtoclinep#1#2#3#4#5{\relax}

```

## 10.20 Disabling the mtchideinmain... environments

```

mtchideinmaintoc These environments accept one optional argument:
mtchideinmainlof
mtchideinmainlot 7884 \newenvironment{mtchideinmaintoc}[1][-1]{\empty}{\empty}
7885 \newenvironment{mtchideinmainlof}[1][-1]{\empty}{\empty}
7886 \newenvironment{mtchideinmainlot}[1][-1]{\empty}{\empty}

```

## 10.21 Inhibition of the `\mtc@[save|restore]XXXdepth` internal commands

```

\mtc@savetocdepth We must inhibit these commands, inserted in the .toc, .lof and .lot files by the hiding
\mtc@savelofdepth commands. So we will not have to delete these files when switching from the minitoc package
\mtc@savelotdepth to the mtcff package.
\mtc@restoretocdepth
\mtc@restorelofdepth 7887 \let\mtc@savetocdepth\empty
\mtc@restorelotdepth 7888 \let\mtc@savelofdepth\empty
7889 \let\mtc@savelotdepth\empty
7890 \let\mtc@restoretocdepth\empty
7891 \let\mtc@restorelofdepth\empty
7892 \let\mtc@restorelotdepth\empty

```

## 10.22 Disabling the `\mtcfixglossary` command

`\mtcfixglossary` This command accepts one optional argument:

```
7893 \newcommand{\mtcfixglossary}[1][\relax]
```

## 10.23 Disabling the `\mtcfixindex` command

`\mtcfixindex` This command accepts one optional argument:

```
7894 \newcommand{\mtcfixindex}[1][\relax]
```

## 10.24 Disabling the `\mtcfixnomenclature` command

`\mtcfixnomenclature` This command accepts one optional argument:

```
7895 \newcommand{\mtcfixnomenclature}[1][\relax]
```



## 10.25 Disabling the `\addstarred...` commands

```

\ifmtcoffwarn@ These commands should be replaced by standard commands, but mtcoff simulates and gives a
\addstarredpart warning, which will be reminded at the end of document:
\addstarredchapter
\addstarredsection 7896 \def\addstarredpart#1{\mtcoffwarn@true
\addcontentsline 7897   \mtcPackageWarning[F0002]{mtcoff}%
7898   {\protect\addstarredpart{...} should be replaced by
7899   \MessageBreak
7900   \protect\addcontentsline{toc}{part}{...}
7901   \MessageBreak}
7902   \addcontentsline{toc}{part}{#1}}
7903 \def\addstarredchapter#1{\mtcoffwarn@true
7904   \mtcPackageWarning[F0001]{mtcoff}%
7905   {\protect\addstarredchapter{...} should be replaced by
7906   \MessageBreak
7907   \protect\addcontentsline{toc}{chapter}{...}
7908   \MessageBreak}
7909   \addcontentsline{toc}{chapter}{#1}}
7910 \def\addstarredsection#1{\mtcoffwarn@true
7911   \mtcPackageWarning[F0003]{mtcoff}%
7912   {\protect\addstarredsection{...} should be replaced by
7913   \MessageBreak
7914   \protect\addcontentsline{toc}{section}{...}
7915   \MessageBreak}
7916   \addcontentsline{toc}{section}{#1}}

```

F0002

F0001

F0003

And the mtcoff package is terminated.

```
7917 </mtcoff>
```

## Chapter 11

# Commented code of the mtcmess package

```
\mtcPackageInfo  To make easier the search of a message in the documentation1, we will assign an unique identifier to each message of the minitoc and mtcoff packages. As the standard commands for such messages do not include this feature, we make extended versions, with the same syntax, plus a first optional argument:
  \PackageInfo
  \MessageBreak
\mtcPackageWarning
  \PackageWarning
\mtcPackageWarningNoLine 7918 (*mtcmess)
  \PackageWarningNoLine 7919 \ProvidesPackage{mtcmess}[2006/03/14]%
\mtcPackageError 7920 \NeedsTeXFormat{LaTeX2e}[1996/06/01]%
  \PackageError 7921 \newcommand{\mtcPackageInfo}[3][]%
  7922   {\PackageInfo{#2}{#1\MessageBreak #3}}%
  7923 \newcommand{\mtcPackageWarning}[3][]%
  7924   {\PackageWarning{#2}{#1\MessageBreak #3}}%
  7925 \newcommand{\mtcPackageWarningNoLine}[3][]%
  7926   {\PackageWarningNoLine{#2}{#1\MessageBreak #3}}%
  7927 \newcommand{\mtcPackageError}[4][]%
  7928   {\PackageError{#2}{#1\MessageBreak #3}{#4}}%
  7929 \end{package}
```

Hence the first line of the message will contain the package name and the unique identifier of the message.

These macros are defined in a separate package because they are used by at least two packages (minitoc and mtcoff) and because they could be useful for other packages.

---

<sup>1</sup> For instance, using the search facility of some PDF reader utility.

## Chapter 12

# Patch for the memoir class

This code must be loaded to fix an *incompatibility* of the minitoc package with some recent versions of the memoir class. This correction is no more necessary after the 2005/09/25 version of memoir.



```
7930 (*mtcpatchmem)
7931 \NeedsTeXFormat{LaTeX2e}[1996/06/01]%
7932 \ProvidesPackage{mtcpatchmem}%
7933   [2008/07/16 v60 Package mtcpatchmem]
7934 \RequirePackage{mtcmess}[2006/03/14]
7935 \mtcPackageInfo[M0001]{mtcpatchmem}%
7936   {mtcpatchmem package to patch the memoir class\@gobble}
7937 \renewcommand{\@m@mchapter}[1][ ]{%
7938   \def\ch@pt@c{#1}% capture first optional arg
7939   \@ifnextchar[{\@chapter}{\@chapter[]}%
7940 }
7941 \def\@chapter[#1]#2{%
7942 % if |\ch@pt@c| is empty, no [ was found at all. Use #2| as
7943 % entry for all fields.
7944   \ifx\ch@pt@c\@empty
7945     \def\f@rtoc{#2}%
7946     \def\f@rhdr{#2}%
7947   \else
7948 % otherwise at least one [ was found. If #1| is empty then only
7949 % one was found.
7950     \let\f@rtoc\ch@pt@c
7951     \ifx\@empty#1\@empty
7952       \let\f@rhdr\ch@pt@c
7953     \else
7954       \def\f@rhdr{#1}%
7955     \fi
7956   \fi
7957   \ifnum \c@secnumdepth >\m@ne\relax
7958     \if@mainmatter
7959       \refstepcounter{chapter}%
```

```

7960     \fi
7961     \fi
7962     \chaptermark{\f@rhdr}%
7963     \ifartopt
7964         \@makechapterhead{#2}%
7965         \@afterheading
7966     \else
7967         \insertchapterspace
7968         \if@twocolumn
7969             \@topnewpage[\@makechapterhead{#2}]%
7970         \else
7971             \@makechapterhead{#2}%
7972         \fi
7973         \@afterheading
7974     \fi
7975     \ifnum \c@secnumdepth >\m@ne\relax
7976         \if@mainmatter
7977             \ifanappendix
7978                 \addcontentsline{toc}{appendix}{%
7979                     \protect\chapternumberline{\thechapter}\f@rtoc}%
7980             \else
7981                 \addcontentsline{toc}{chapter}{%
7982                     \protect\chapternumberline{\thechapter}\f@rtoc}%
7983             \fi
7984         \else
7985             \addcontentsline{toc}{chapter}{\f@rtoc}%
7986         \fi
7987     \else
7988         \addcontentsline{toc}{chapter}{\f@rtoc}%
7989     \fi
7990     \ifheadnameref\M@getttitle{\f@rhdr}\else\M@getttitle{\f@rtoc}\fi
7991 }
7992 </mtcpatchmem>

```

## Chapter 13

# Language definition (.mld) and object (.mlo) files

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---

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## 13.1 Overview

This chapter shows the code of each .mld file. A .mld file is a *minitoc language definition* file, which defines the titles of the mini-tables for a given language. It contains often some comments about its origin, if you need further details.

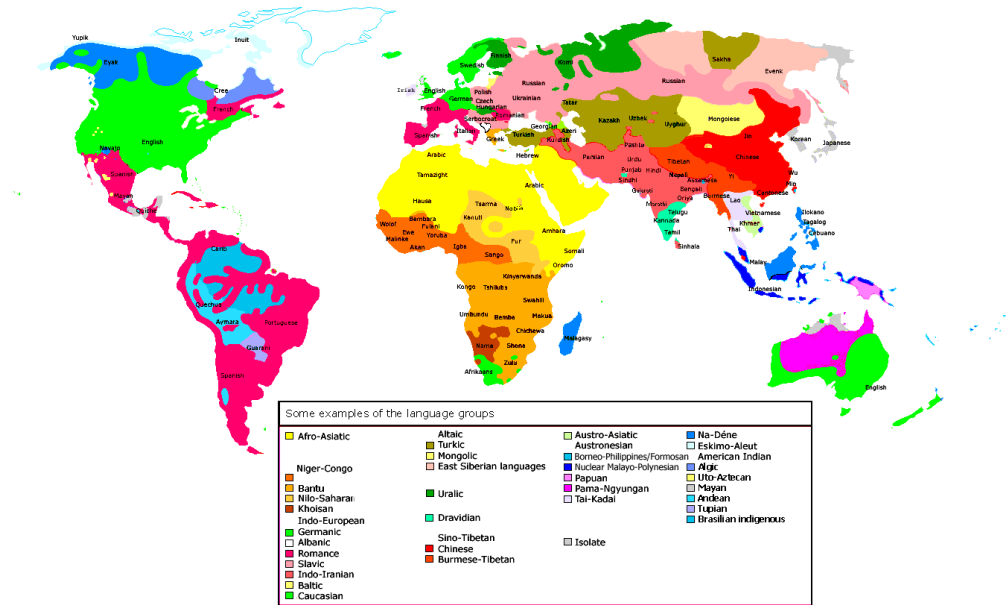
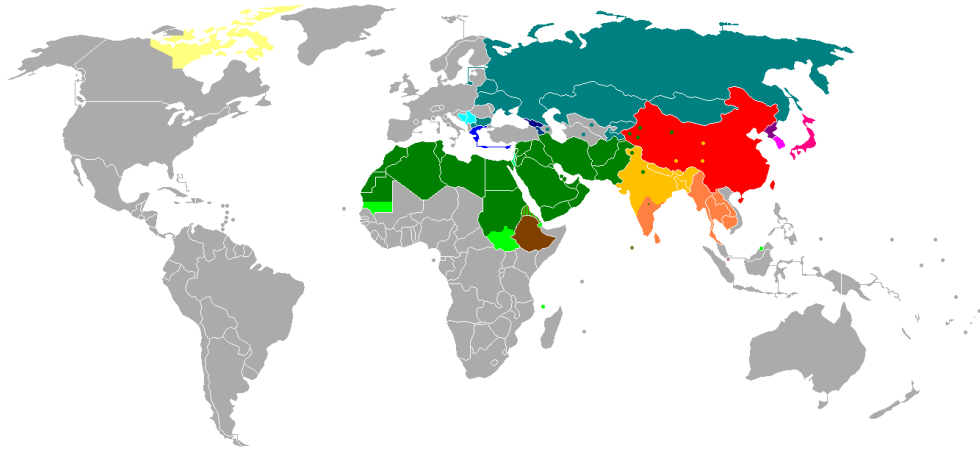


Figure 13.1: Language families in the world ([http://en.wikipedia.org/wiki/Language\\_family](http://en.wikipedia.org/wiki/Language_family); see also <http://www.dicts.info/img/speakers.png>)



Figure 13.2: The political world (<http://www.populationdata.net/cartes/monde/monde-politique-moyen.php>)



**Alphabets:** latin (grey), cyrillic (blue-green), greek (blue), georgian (dark blue), armenian (darker blue);

**Abjads<sup>a</sup>:** arabic (green), arabic and latin (light green), hebrew and arabic (lighter green);

**Abugidas<sup>b</sup>:** north indic (light orange), south indic (orange), ethiopic (maroon), thaana or tāna (Dhivehi language in Maldives) (olive), canadian syllabic (yellow);

**Logographic<sup>c</sup>+syllabic:** pure logographic (red), mixed logographic and syllabaries<sup>d</sup> (dark red), featural-alphabetic: hangŭl (dark mauve)+limited logographic: hanja (light mauve);

<sup>a</sup> An abjad is a segmental script containing symbols for consonants only, or where vowels are optionally written with diacritics (“pointing”) or only written word-initially.

<sup>b</sup> An abugida, or *alphasyllabary*, is a segmental script in which vowels are denoted by diacritical marks or other systematic modification of the consonants.

<sup>c</sup> In logographic systems, glyphs represent words or morphemes (meaningfull components of words, as in *mean-ing-ful*, rather than phonetic elements).

<sup>d</sup> In syllabaries, graphemes represent syllables.

Figure 13.3: Writing systems by country ([http://en.wikipedia.org/wiki/List\\_of\\_alphabets](http://en.wikipedia.org/wiki/List_of_alphabets))

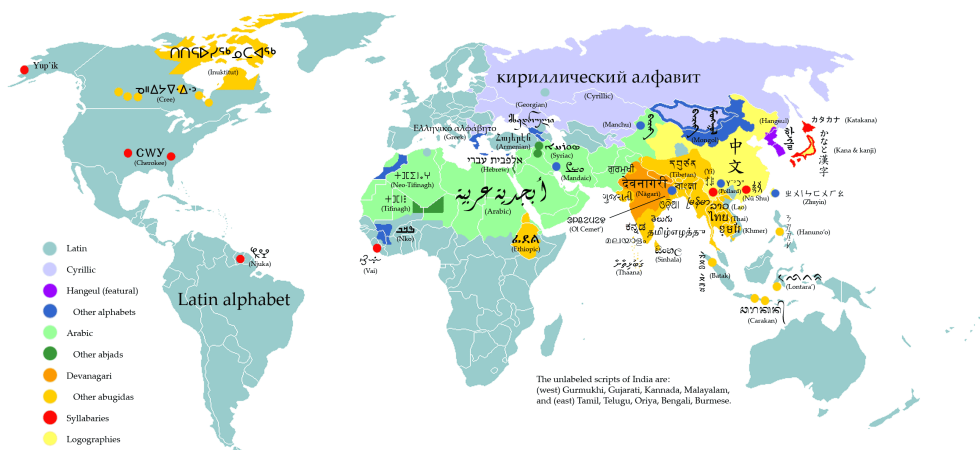


Figure 13.4: Areas of writing systems ([http://en.wikipedia.org/wiki/List\\_of\\_alphabets](http://en.wikipedia.org/wiki/List_of_alphabets))

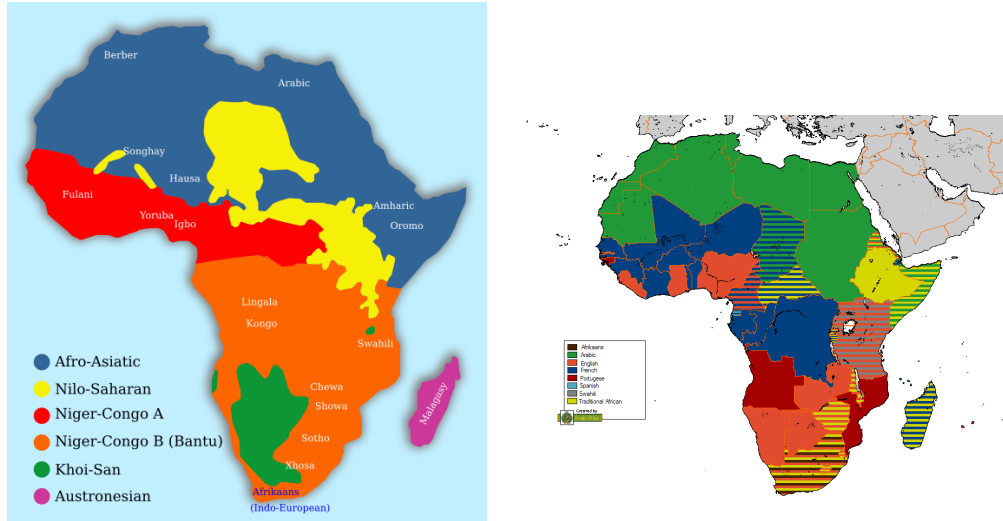


Figure 13.5: Language families and official languages in Africa ([http://en.wikipedia.org/wiki/Languages\\_of\\_Africa](http://en.wikipedia.org/wiki/Languages_of_Africa))



Figure 13.6: Languages in Europe (by Andrei NACU, [http://en.wikipedia.org/wiki/Languages\\_of\\_the\\_European\\_Union](http://en.wikipedia.org/wiki/Languages_of_the_European_Union))



Figure 13.7: Languages families in Europe ([http://en.wikipedia.org/wiki/List\\_of\\_languages\\_in\\_Europe](http://en.wikipedia.org/wiki/List_of_languages_in_Europe))



Figure 13.8: Languages in Europe ([http://en.wikipedia.org/wiki/List\\_of\\_languages\\_in\\_Europe](http://en.wikipedia.org/wiki/List_of_languages_in_Europe))

For some languages, I have added a map (and a flag) of the country or area where the language is spoken, if it is not trivial. The origin of each map is given by an URL to the graphic file or to the WEB page where I found it. Note that the [294] and [229] Web sites are useful sources. Maps from [229] are under the Creative Commons License, see [http://creativecommons.org/licenses/by-nc-sa/1.0/deed.en\\_GB](http://creativecommons.org/licenses/by-nc-sa/1.0/deed.en_GB). The site <http://www.expatries.senat.fr/pays.html> allows to look at the maps of many countries (but not of France!). The Perry-Castañeda Library Map Collection [395] (The University of Texas at Austin, <http://www.lib.utexas.edu/maps>) contains countless maps.



Many free maps were also found by a search in the vast Wikipedia (i.e. <http://en.wikipedia.org>, <http://fr.wikipedia.org>, <http://de.wikipedia.org>, <http://simple.wikipedia.org>, etc.). If you are curious and brave, you can also find many maps and documents about Eastern Europa and about Asia at <http://www.hunmagyar.org>; that site give many historical informations.



Figure 13.9: Simplified Linguistic Map of Europe ([http://en.wikipedia.org/wiki/Languages\\_of\\_Europe](http://en.wikipedia.org/wiki/Languages_of_Europe))

A .mld file is loaded either via a package option in the `\usepackage` command for the `minitoc` package (or a global option for the document), either via the command:

```
\mtcselectlanguage      \mtcselectlanguage{<language>}
```

`\ptctitle` Each .mld file must define the nine following commands (for the mini-tables of contents, mini-lists of figures and mini-lists of tables, at the part, chapter and section levels):

<code>\plftitle</code>	<code>\plftitle</code>	<code>\mtctitle</code>	<code>\stctitle</code>
<code>\plttitle</code>	<code>\plttitle</code>	<code>\mlftitle</code>	<code>\slftitle</code>
<code>\mtctitle</code>	<code>\mtctitle</code>	<code>\mlttitle</code>	<code>\slttitle</code>
<code>\mlftitle</code>	<code>\mlftitle</code>		
<code>\mlttitle</code>	<code>\mlttitle</code>		
<code>\stctitle</code>	<code>\stctitle</code>		
<code>\slftitle</code>	<code>\slftitle</code>		
<code>\slttitle</code>	<code>\slttitle</code>		

Many .mld files require special fonts adequate for the corresponding language; as this is a language-dependent issue, the user must set up the correct language and font context for each language, like using the `babel` package [54, 60, 61, 74], the CJK system [127, 297, 298], the  $\text{H}\text{A}\text{T}\text{E}\text{X}$  system [266, in korean], the Antomega system [272], the `Arab\text{T}\text{E}\text{X}` [276, 277], `Bang\text{T}\text{E}\text{X}` [362], `Devanāgarī` for  $\text{T}\text{E}\text{X}$  [364], `ethiop` [44], `Farsi\text{T}\text{E}\text{X}` [162]<sup>1</sup>, `guarani` [45], `malay-`

<sup>1</sup> By Mohammad GHODSI ([ghodsi@rose.ipm.ac.ir](mailto:ghodsi@rose.ipm.ac.ir)) and the `Farsi\text{T}\text{E}\text{X}` Project Group. See the `Farsi\text{T}\text{E}\text{X}` site at <http://www.farsitex.org>



alam [4] et omal [5], MonT<sub>E</sub>X [137, 140], or ArmT<sub>E</sub>X [142] packages. Note that it is often the *english* name of the language which is used to name the corresponding .mld file.

`filecontents` But for some oriental languages<sup>2</sup>, the source of the titles use some *exotic encodings*, difficult  
`\mtcselectlanguage` to manipulate in a .dtx file, the .mld file is then just a wrapper loading a .mlo file<sup>3</sup>, not  
 generated by the .dtx files in the current version of minitoc package. To go around this  
 limitation, the minitoc.ins file uses filecontents environments to generate the .mlo files.  
 The adequate input encoding must be set up by the user *before* loading the .mld file via the  
`\mtcselectlanguage` command.

Since version #49, the minitoc package checks the presence of the *language*.mld file (and of the *language*.mlo file if necessary) for each language option of the package, before validating the option. If a .mld or .mlo file is missing, the corresponding language option is not enabled and a warning message is written in the *document.log* file. But the presence of the *english.mld* file is mandatory, because english is the default language. If some .mld or .mlo files are missing, the list of this files is given in the .log file. You should find these files on CTAN.



I0050
I0051
E0036
E0038
W0094

## 13.2 “Acadian” language: acadian.mld

`\mtcselectlanguage` The acadian language<sup>4</sup> is just french, so we load the french.mld file (see section 13.60 on page 531):



```
7993 <{*acadian}
7994 \ProvidesFile{acadian.mld}[2004/12/14]\mtcselectlanguage{french}%
7995 </acadian>
```

## 13.3 “Acadien” language: acadien.mld

`\mtcselectlanguage` The “acadien” language<sup>4</sup> is just french (“acadien” is the french term for “acadian”), so we load the french.mld file (see section 13.60 on page 531):



```
7996 <{*acadien}
7997 \ProvidesFile{acadien.mld}[2004/12/14]\mtcselectlanguage{french}%
7998 </acadien>
```

<sup>2</sup> Mainly for chinese, farsi (iranian), hangûl (korean), hanja (korean), japanese, malayalam-omega, thai, and russian variants.

<sup>3</sup> The extension .mlo means *minitoc language object*.

<sup>4</sup> Spoken in Acadia (see figure 13.10 on the next page) and some parts of the south of the USA, like Louisiane; see [http://en.wikipedia.org/wiki/Cajun\\_French](http://en.wikipedia.org/wiki/Cajun_French).

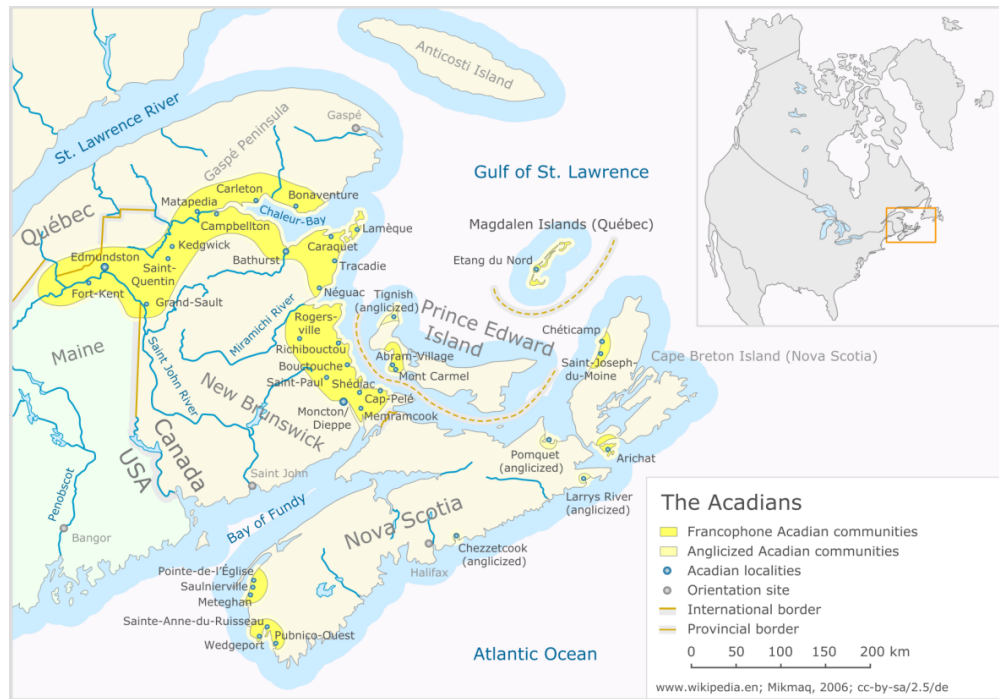


Figure 13.10: Acadia today (<http://en.wikipedia.org/wiki/Acadia>)

### 13.4 “Afrikaan” language: afrikaan.mld

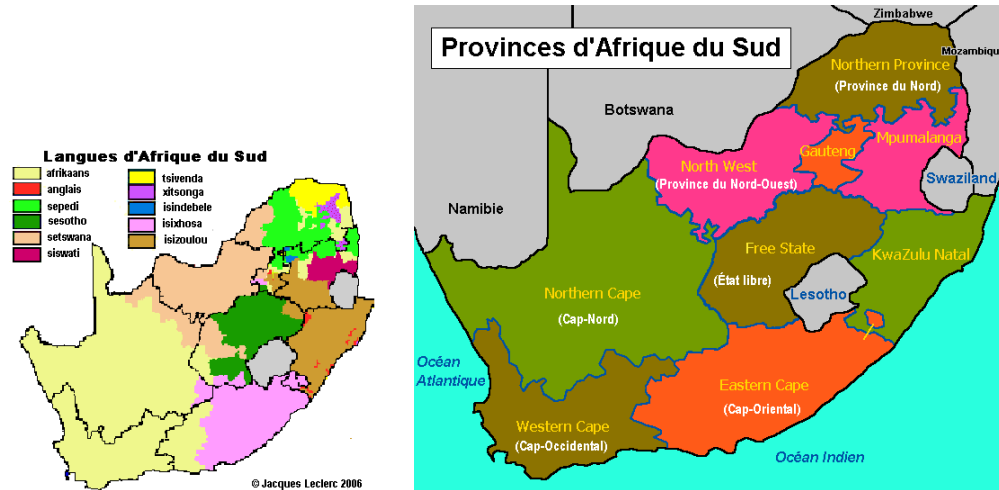


Figure 13.11: Afrikaans language areas (<http://www.tlfq.ulaval.ca/axl/afrique/afriquesud.htm> in [294])



## [13] — Language definition (.mld) and object (.mlo) files

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The titles for the “afrikaan” language<sup>5</sup> come from the `dutch.dtx` file (by Johannes L. BRAAMS and Stoffel LOMBARD) in the `babel` package [55, 60, 61]:

```

7999 (*afrikaan)
8000 \ProvidesFile{afrikaan.mld}[2006/01/13]%
8001 %% Afrikaan(s) titles from dutch.dtx (babel) by Braams, Johannes~L.
8002 \def\ptctitle{Inhoudsopgawe}%
8003 \def\plftitle{Lys van figure}%
8004 \def\plttitle{Lys van tabelle}%
8005 \def\mtctitle{Inhoudsopgawe}%
8006 \def\mlftitle{Lys van figure}%
8007 \def\mlttitle{Lys van tabelle}%
8008 \def\stctitle{Inhoudsopgawe}%
8009 \def\slftitle{Lys van figure}%
8010 \def\slttitle{Lys van tabelle}%
8011 </afrikaan>

```

### 13.5 “Afrikaans” language: `afrikaans.mld`

`\mtcselectlanguage` The term “afrikaans” is a synonym of “afrikaan”, so we just load `afrikaan.mld` (see section 13.4 on the preceding page):



```

8012 (*afrikaans)
8013 \ProvidesFile{afrikaans.mld}[2004/12/14]\mtcselectlanguage{afrikaan}%
8014 </afrikaans>

```

### 13.6 “Albanian” language: `albanian.mld`

The albanian language (*shqip*) is spoken in Albania and some regions of Macedonia, Montenegro, Serbia and Kosovo; see figures 13.12 to 13.14 on pages 484–485. The titles for the “albanian” language are taken from the `albanian.dtx` file (with a contribution of Adi ZAIMI) in the `babel` package [60, 61, 101]:

```

8015 (*albanian)
8016 \ProvidesFile{albanian.mld}[2006/01/13]%
8017 %% Albanian titles from albabian.dtx (babel).
8018 %% Adi Zaimi (zami1st at yahoo.com / adizaimi at yahoo.com).
8019 \def\ptctitle{P\ "ermbajta}%
8020 \def\plftitle{Figurat}%
8021 \def\plttitle{Tabelat}%
8022 \def\mtctitle{P\ "ermbajta}%
8023 \def\mlftitle{Figurat}%

```

<sup>5</sup> Spoken in South Africa and Namibia, it has dutch origins; compare with section 13.44 on page 517. See also <http://www.tifq.ulaval.ca/axl/afrique/afrikaans.htm> in [294]. See figure 13.11 on the page before.

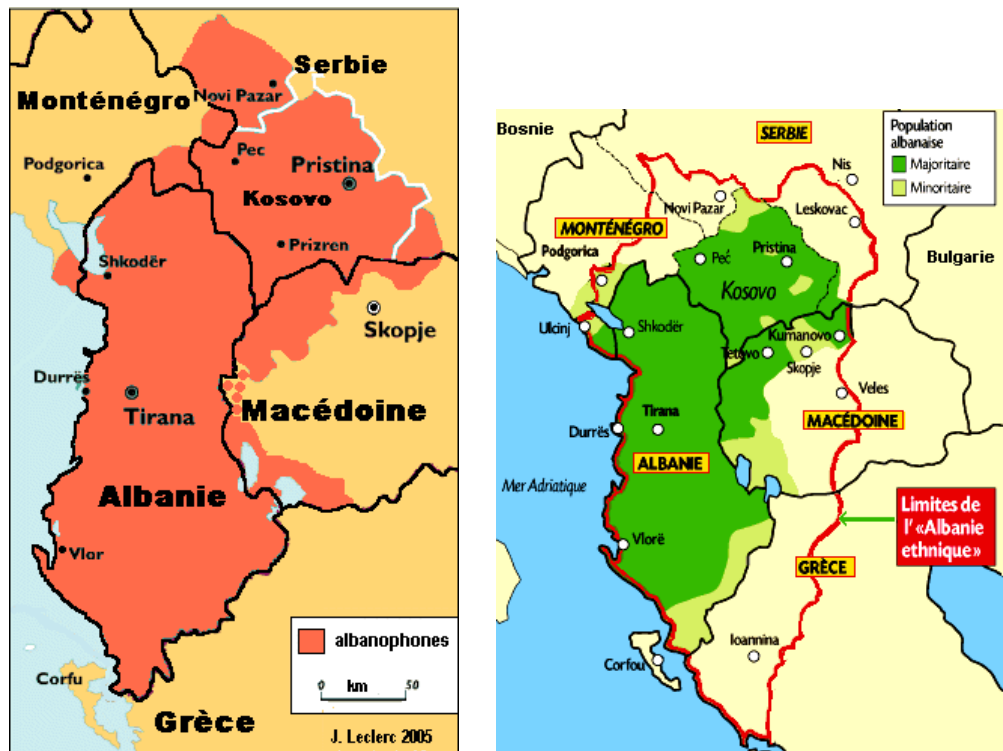


Figure 13.12: Albanian language areas ([http://www.tfq.ulaval.ca/axl/europe/carte\\_albanophone.htm](http://www.tfq.ulaval.ca/axl/europe/carte_albanophone.htm) and <http://www.tfq.ulaval.ca/axl/europe/albaniecarte.htm> in [294])



Figure 13.13: Language areas in Kosovo (<http://www.tfq.ulaval.ca/axl/europe/Kosovo.htm> in [294])

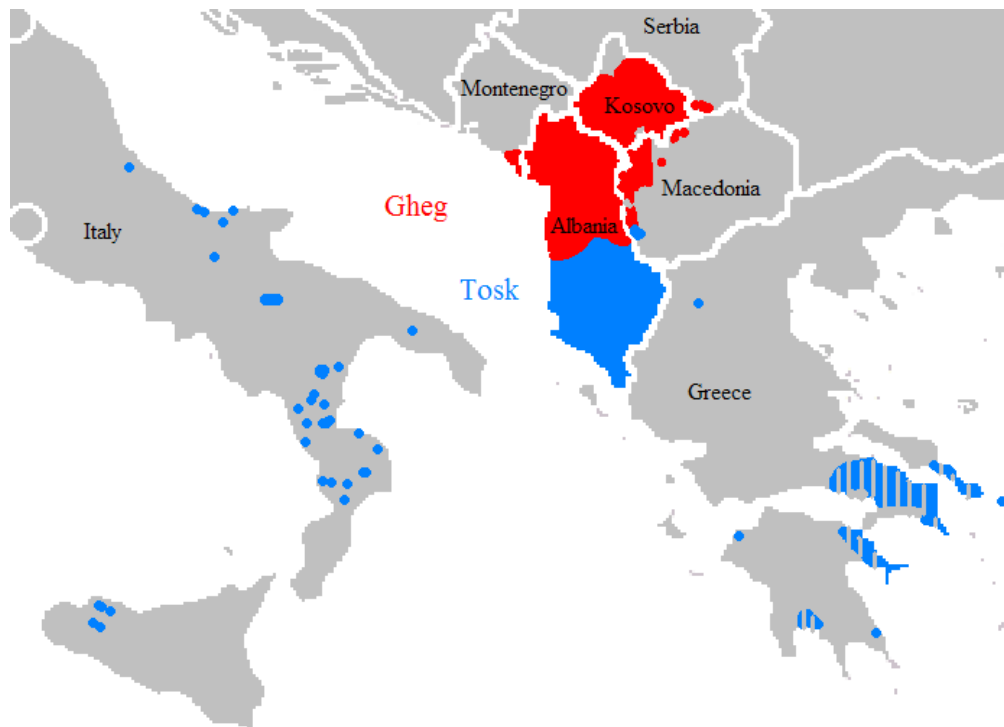


Figure 13.14: Albanian dialects ([http://en.wikipedia.org/wiki/Albanian\\_language](http://en.wikipedia.org/wiki/Albanian_language))

```
8024 \def\mltitle{Tabelat}%
8025 \def\stctitle{P\`'ermbajta}%
8026 \def\slftitle{Figurat}%
8027 \def\slttitle{Tabelat}%
8028 </albanian>
```

## 13.7 “American” language: american.mld

`\mtcselectlanguage` The “american” language is just like “english” (the languages themselves have some differences, like the hyphenation rules, some spellings and phonetics), so we just load `english.mld` (see section 13.45 on page 518):



```
8029 < *american>
8030 \ProvidesFile{american.mld}[2004/12/14]\mtcselectlanguage{english}%
8031 </american>
```

### 13.8 “Arab” language: arab.mld

العربية

The titles for the “arab” language (al-‘Arabiyyah) are taken from the ArabT<sub>E</sub>X package [276, 277] (by Klaus LAGALLY), which should be used, with the associated fonts. The arabic language is spoken in: Algeria, Bahrain, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Mauritania, Morocco, Oman, Palestinian territories, Qatar, Saudi Arabia, Sudan, Syria, Tunisia, United Arab Emirates, Western Sahara, Yemen by a majority; it is also the liturgical language of Islam (see figures 13.16 to 13.17 on the following page).

```
8032 (*arab)
8033 \ProvidesFile{arab.mld}[1999/03/16]%
8034 %% Arabic titles. Needs arabic fonts (cf. documentation of arabtex)
8035 \def\ptctitle{al-mu.htawayAtu}%
8036 \def\plftitle{qA'imaTu a.s-.suwari}%
8037 \def\pltttitle{qA'imaTu al-^gadAwili}%
8038 \def\mtctitle{al-mu.htawayAtu}%
8039 \def\mlftitle{qA'imaTu a.s-.suwari}%
8040 \def\mltttitle{qA'imaTu al-^gadAwili}%
8041 \def\stctitle{al-mu.htawayAtu}%
8042 \def\slftitle{qA'imaTu a.s-.suwari}%
8043 \def\sltttitle{qA'imaTu al-^gadAwili}%
8044 (/arab)
```

### 13.9 “Arab2” language: arab2.mld

`\mtcArabTok` The titles for the “arab2” language are taken from the ArabT<sub>E</sub>X package [276, 277] (by Klaus LAGALLY), which should be used, with the associated fonts. It is a variant of the “arab” language.  
`\tcArabTok`  
`\a@tok`

```
8045 (*arab2)
8046 \ProvidesFile{arab2.mld}[2006/03/31]%
8047 %% Arabic titles. Variant. Needs arabic fonts (cf. documentation of arabtex)
8048 {\makeatletter\global\let\mtcArabTok\a@tok}%
8049 \def\ptctitle{\mtcArabTok(al-muHtawayAtu)}%
8050 \def\plftitle{\mtcArabTok(qAQAIMaTu aS-Suwari)}%
8051 \def\pltttitle{\mtcArabTok(qAQAIMaTu al-GadAwili)}%
8052 \def\mtctitle{\mtcArabTok(al-muHtawayAtu)}%
8053 \def\mlftitle{\mtcArabTok(qAQAIMaTu aS-Suwari)}%
8054 \def\mltttitle{\mtcArabTok(qAQAIMaTu al-GadAwili)}%
8055 \def\stctitle{\mtcArabTok(al-muHtawayAtu)}%
8056 \def\slftitle{\mtcArabTok(qAQAIMaTu aS-Suwari)}%
8057 \def\sltttitle{\mtcArabTok(qAQAIMaTu al-GadAwili)}%
8058 (/arab2)
```

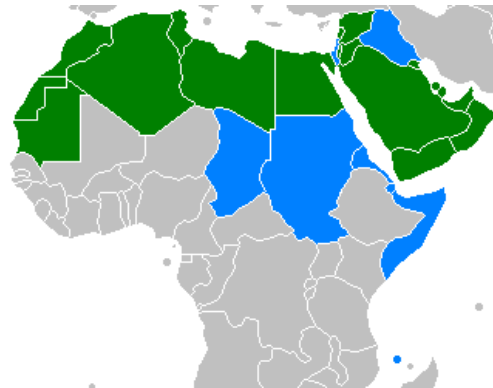


Figure 13.15: Countries where the arabic language is official (green: sole official language, blue: one of several official languages) ([http://en.wikipedia.org/wiki/Arabic\\_language](http://en.wikipedia.org/wiki/Arabic_language))

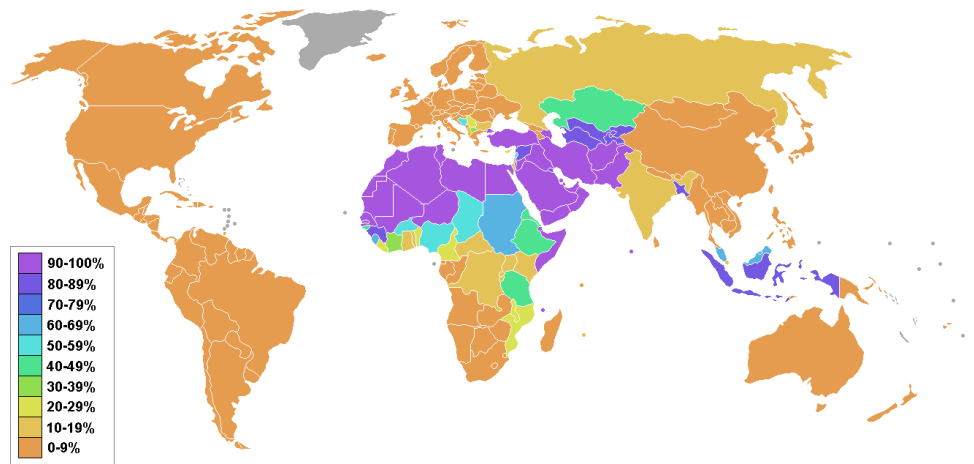


Figure 13.16: Percentage of muslims by country ([http://en.wikipedia.org/wiki/Muslim\\_world](http://en.wikipedia.org/wiki/Muslim_world))

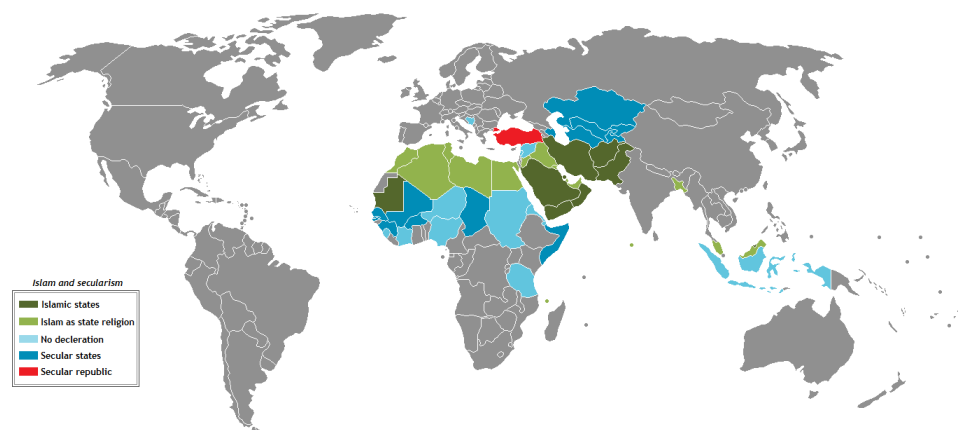


Figure 13.17: The status of Islam by country ([http://en.wikipedia.org/wiki/Muslim\\_world](http://en.wikipedia.org/wiki/Muslim_world))



Figure 13.18: Arabophone countries in Asia and Africa (<http://en.wikipedia.org/wiki/Arab> and [135, page 664])



### 13.10 “Arabi” language: arabi.mld

`\R` The titles for the “arabi” language are taken from the `Arabi` package [243] (by Youssef JABRI), which should be used, with the associated fonts.

```
8059 (*arabi)
8060 \ProvidesFile{arabi.mld}[2006/07/27]%
8061 %% Arabic titles (strings taken from arabi.ldf; to be used with arabi)
8062 %% Needs arabic fonts (cf. documentation of the Arabi package, by Youssef Jabri)
8063 \def\ptctitle{\R{\alef\lam\fa\ha\ra\seen}}%
8064 \def\plftitle{\R{\qaf\alef\yahamza\meem\T\space\alef\lam\alefhamza\sheen\kaf\alef\lam}}%
8065 \def\pltttitle{\R{\qaf\alef\yahamza\meem\T\space\alef\lam\jeem\dal\alef\waw\lam}}%
8066 \def\mtctitle{\R{\alef\lam\fa\ha\ra\seen}}%
8067 \def\mlftitle{\R{\qaf\alef\yahamza\meem\T\space\alef\lam\alefhamza\sheen\kaf\alef\lam}}%
8068 \def\mltttitle{\R{\qaf\alef\yahamza\meem\T\space\alef\lam\jeem\dal\alef\waw\lam}}%
8069 \def\stctitle{\R{\alef\lam\fa\ha\ra\seen}}%
8070 \def\slftitle{\R{\qaf\alef\yahamza\meem\T\space\alef\lam\alefhamza\sheen\kaf\alef\lam}}%
8071 \def\sltttitle{\R{\qaf\alef\yahamza\meem\T\space\alef\lam\jeem\dal\alef\waw\lam}}%
8072 </arabi>
```

### 13.11 “Arabic” language: arabic.mld

`\mtcselectlanguage` The “arabic” language is a synonym for “arab”, so we just load `arab.mld` (see section 13.8 on page 486):

```
8073 (*arabic)
8074 \ProvidesFile{arabic.mld}[2005/02/10]\mtcselectlanguage{arab}%
8075 </arabic>
```

### 13.12 “Armenian” language: armenian.mld

հայերեն



The titles for the “armenian” language (*hayeren*) are taken from the `ArmTeX` package [142] (by Sergueï DACHIAN, Arnak DALALYAN and Vartan AKOPIAN), which should be used, with the associated fonts. The armenian language is spoken in Armenia, in a part of Azerbaidjan and in the armenian diaspora; see figures 13.19 to 13.20 on the following page.

```
8076 (*armenian)
8077 \ProvidesFile{armenian.mld}[1999/06/28]%
8078 %% Armenian titles from ArmTeX. Sergueï Dachian (Serguei.Dachian@univ-lemans.fr),
8079 %% Arnak Dalalyan & Vartan Akopian
8080 \def\ptctitle{Bovandakuthyun}%
8081 \def\plftitle{Patkernerî cank}%
8082 \def\pltttitle{Aghyusaknerî cank}%
```

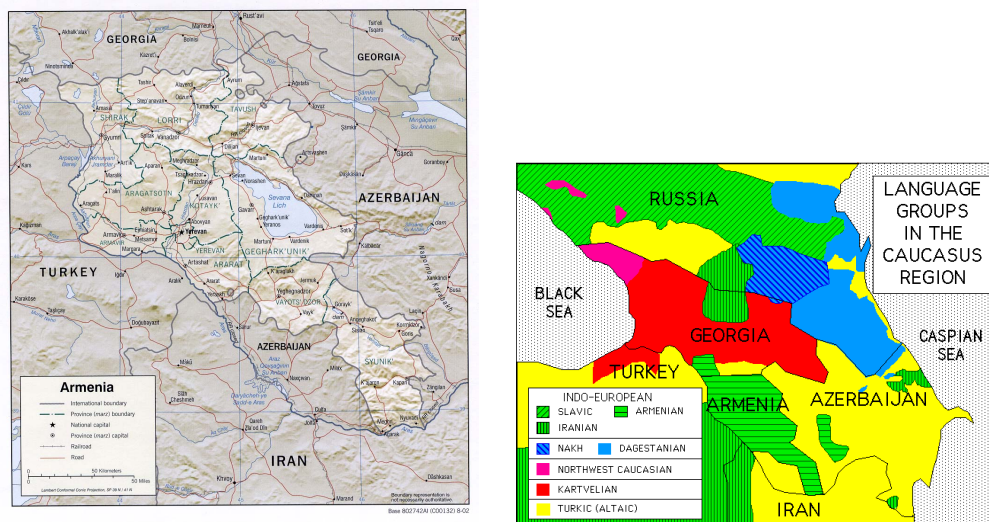


Figure 13.19: Armenia and languages of Caucasus (<http://www.lib.utexas.edu/maps/armenia.html> – Courtesy of the University of Texas Libraries, The University of Texas at Austin [395] – and <http://linguistics.buffalo.edu/people/faculty/dryer/dryer/dryer.htm> by Matthew S. DRYER, link found from [http://en.wikipedia.org/wiki/Caucasian\\_languages](http://en.wikipedia.org/wiki/Caucasian_languages))

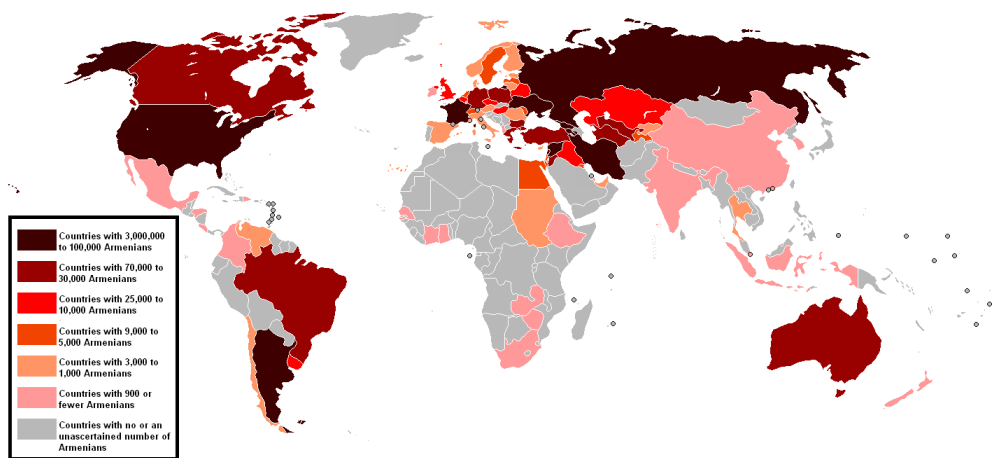


Figure 13.20: The Armenian diaspora ([http://en.wikipedia.org/wiki/Armenian\\_diaspora](http://en.wikipedia.org/wiki/Armenian_diaspora))

```

8083 \def\mtctitle{Bovandakuthyun}%
8084 \def\mlftitle{Patkernerî cank}%
8085 \def\mltttitle{Aghyusaknerî cank}%
8086 \def\stctitle{Bovandakuthyun}%
8087 \def\slftitle{Patkernerî cank}%
8088 \def\sltttitle{Aghyusaknerî cank}%
8089 \(/armenian)
    
```

### 13.13 “Australian” language: `australian.mld`

`\mtcselectlanguage` The “australian” language is just like “english”, so we just load `english.mld` (see section 13.45 on page 518):



```
8090 (*australian)
8091 \ProvidesFile{australian.mld}[2006/01/11]\mtcselectlanguage{english}%
8092 </australian>
```

### 13.14 “Austrian” language: `austrian.mld`

`\mtcselectlanguage` For the mini-table titles, the “austrian” language is like the “german” language, so we load `german.mld` (see section 13.67 on page 540):



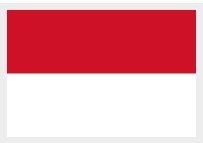
```
8093 (*austrian)
8094 \ProvidesFile{austrian.mld}[2004/12/14]\mtcselectlanguage{german}%
8095 </austrian>
```

### 13.15 “Bahasa” language: `bahasa.mld`

`\mtcselectlanguage` The “bahasa” language is just like “bahasai”, so we just load `bahasai.mld` (see section 13.16):

```
8096 (*bahasa)
8097 \ProvidesFile{bahasa.mld}[2006/01/11]\mtcselectlanguage{bahasai}%
8098 </bahasa>
```

### 13.16 “Bahasai” language: `bahasai.mld`



The titles of the mini-tables for the “bahasai” language<sup>6</sup> (bahasa indonesia / bahasa meyalu) are taken from the file `bahasa.dtx` (by Jörg KNAPPEN and Terry MART) in the `babel` package [60, 61, 82]. Specific fonts are needed. See also section 13.17 on page 493. The word “bahasa” means “language” in bahasa. For other names for this language, see sections 13.15 and 13.89 to 13.90 on page 560.

<sup>6</sup> Bahasa is spoken in Indonesia and Malaysia, with different pronunciations and titles but the same writing. Bahasai is the indonesian variant. See [http://www.tifq.ulaval.ca/axl/asiae/indonesie-1\\_langues.htm](http://www.tifq.ulaval.ca/axl/asiae/indonesie-1_langues.htm) in [294].

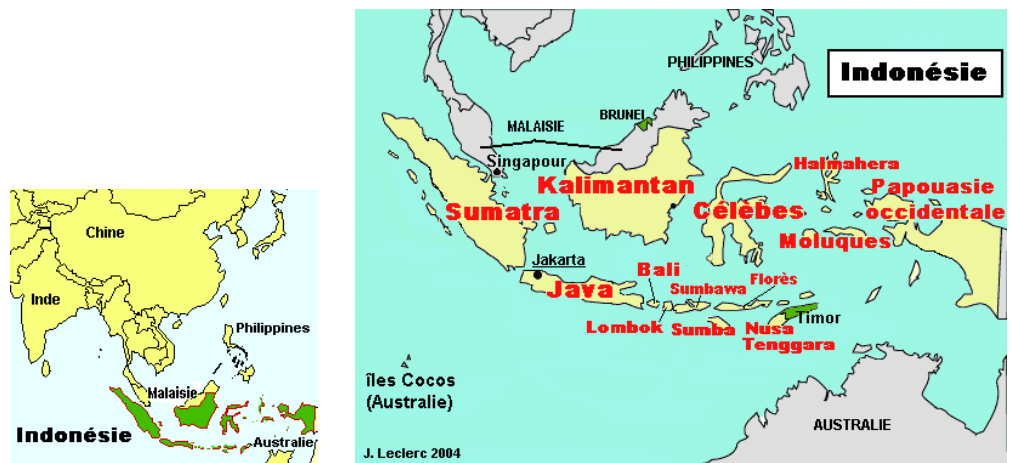


Figure 13.21: Indonesia ([http://www.tfq.ulaval.ca/axl/asia/indonesie-1\\_langues.htm](http://www.tfq.ulaval.ca/axl/asia/indonesie-1_langues.htm) and [http://www.tfq.ulaval.ca/axl/asia/indonesie-3\\_Pol\\_ling.htm](http://www.tfq.ulaval.ca/axl/asia/indonesie-3_Pol_ling.htm) in [294])

```

8099 (*bahasai)
8100 \ProvidesFile{bahasai.mld}[2006/01/13]%
8101 %% Bahasa Indonesia titles from bahasa.dtx in the babel package.
8102 %% Knappen, Jörg & Mart, Terry
8103 \def\ptctitle{Daftar Isi}%
8104 \def\plftitle{Daftar Gambar}%
8105 \def\pltttitle{Daftar Tabel}%
8106 \def\mtctitle{Daftar Isi}%
8107 \def\mlftitle{Daftar Gambar}%
8108 \def\mltttitle{Daftar Tabel}%
8109 \def\stctitle{Daftar Isi}%
8110 \def\slftitle{Daftar Gambar}%
8111 \def\sltttitle{Daftar Tabel}%
8112 </bahasai>

```

### 13.17 “Bahasam” language: bahasam.mld



Figure 13.22: Malaysia (<http://www.tlq.ulaval.ca/axl/asia/malaysia.htm> in [294])



The titles of the mini-tables for the “bahasam” language (Bahasa Malaysia)<sup>7</sup> are taken from the file `bahasam.dtx` (by Jörg KNAPPEN, Terry MART and Bob MARGOLIS) in the `babel` package [60, 61, 83]. Specific fonts are needed. See also section 13.15 on page 491. For other names for this language, see sections 13.118 on page 579 and 13.129 on page 584.

```

8113 ⟨*bahasam⟩
8114 \ProvidesFile{bahasam.mld}[2006/12/19]%
8115 %% Bahasa Malaysia titles from bahasam.dtx in the babel package
8116 %% Knappen, Jörg & Mart, Terry & Margolis, Bob
8117 \def\ptctitle{Kandungan}%
8118 \def\plftitle{Senarai Gambar}%
8119 \def\pltttitle{Senarai Jadual}%
8120 \def\mtctitle{Kandungan}%
8121 \def\mlftitle{Senarai Gambar}%
8122 \def\mltttitle{Senarai Jadual}%
8123 \def\stctitle{Kandungan}%
8124 \def\slftitle{Senarai Gambar}%
8125 \def\sltttitle{Senarai Jadual}%
8126 ⟨/bahasam⟩

```

### 13.18 “Bangla” language: bangla.mld



The titles for the “bangla” (bengali) language<sup>8</sup> are taken from the `BangTeX` package [362] (by Palash Baran PAL); they need specific fonts (the bengali alphabet is derived from sanskrit).

<sup>7</sup> Spoken in Indonesia and Malaysia, with different pronunciations and titles but the same writing. Bahasam is the Malaysian variant.

<sup>8</sup> Spoken in Bangladesh and some parts of India, like Occidental Bengal (19), Orissa (21), Assam (18), Bihar (10) and Tripura (16); see figures 13.23 to 13.24 on the following page.

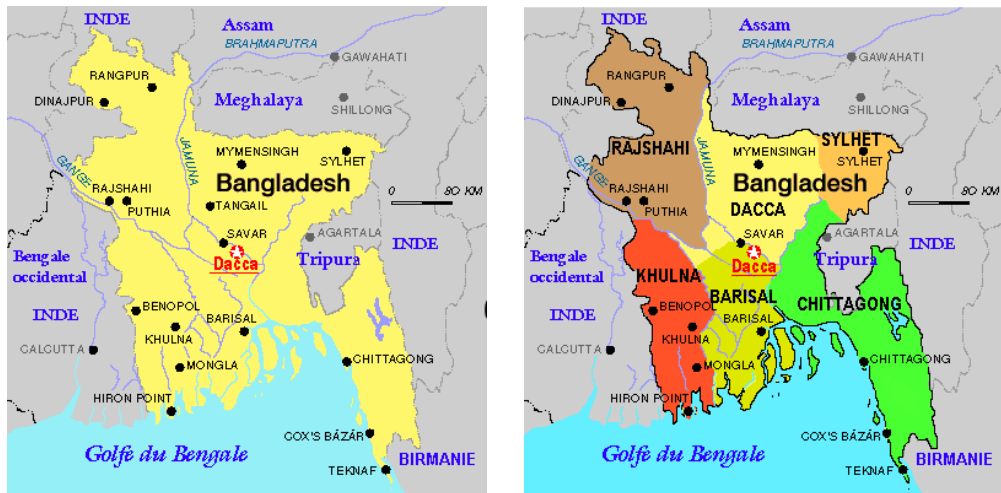


Figure 13.23: Bangla (bengali) language areas (<http://www.tfq.ulaval.ca/axl/asia/Bangladesh.htm> dans [294])

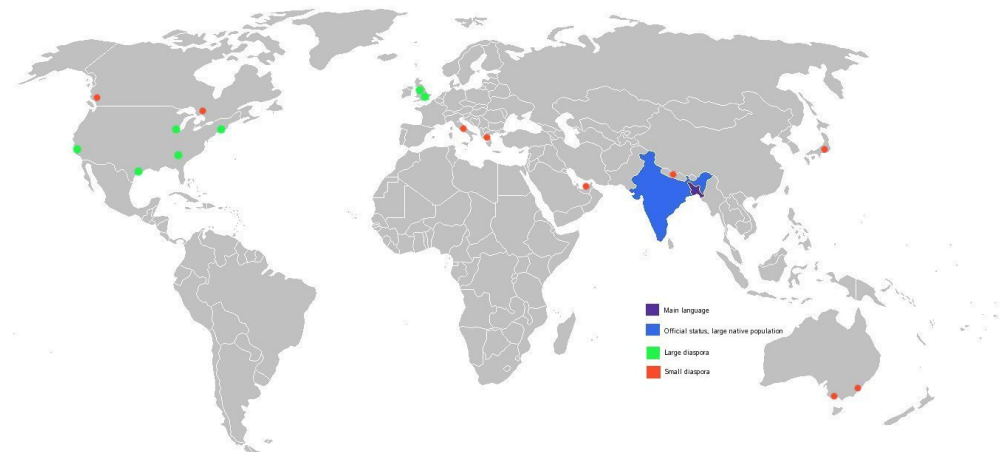


Figure 13.24: The bengali diaspora ([http://en.wikipedia.org/wiki/Bengali\\_language](http://en.wikipedia.org/wiki/Bengali_language))

```

8127 (*bangla)
8128 \ProvidesFile{bangla.mld}[2006/03/31]%
8129 % Bangla titles from BangTeX. Needs specific fonts.
8130 \def\ptctitle{suu\*c*ipotRo}% <-----
8131 \def\plftitle{cho\*b*ir ta\*l*ika}%
8132 \def\plttitle{cho\*k*er ta\*l*ika}%
8133 \def\mtctitle{suu\*c*i}%
8134 \def\mlftitle{cho\*b*ir ta\*l*ika}%
8135 \def\mlttitle{cho\*k*er ta\*l*ika}%
8136 \def\stctitle{suu\*c*i}%
8137 \def\slftitle{cho\*b*ir ta\*l*ika}%
8138 \def\slttitle{cho\*k*er ta\*l*ika}%
8139 (/bangla)
    
```

## 13.19 “Basque” language: basque.mld

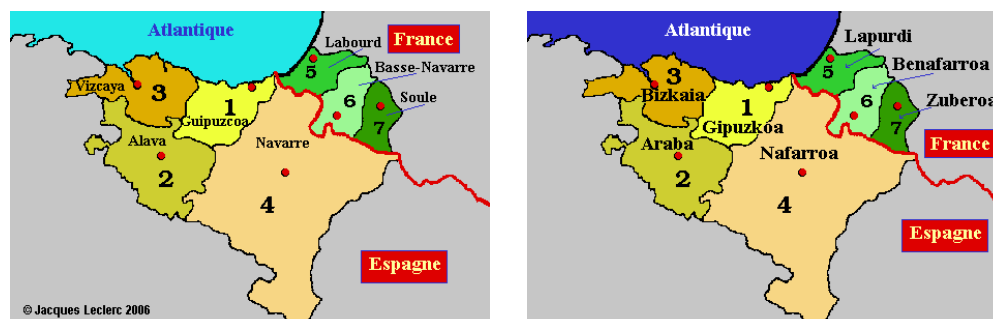


Figure 13.25: The Basque country (<http://www.tfq.ulaval.ca/axl/europe/espagnebasque.htm> and <http://www.tfq.ulaval.ca/axl/europe/espagnenavarre.htm> in [294])

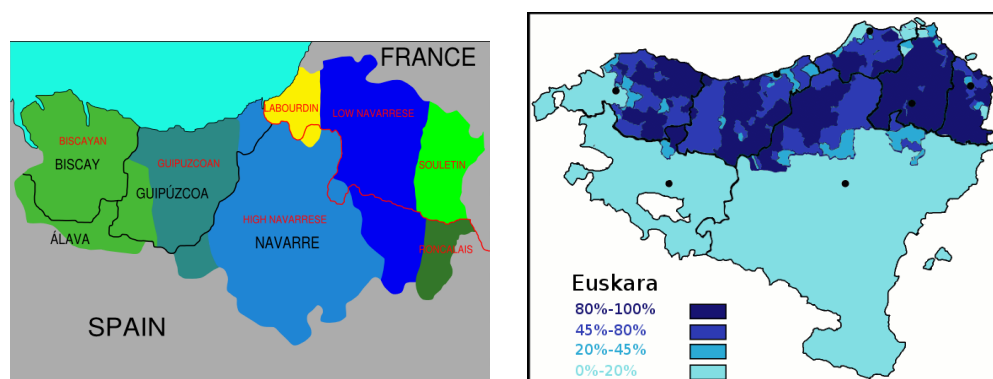


Figure 13.26: The Basque dialects ([http://en.wikipedia.org/wiki/Basque\\_language](http://en.wikipedia.org/wiki/Basque_language))



The titles for the “basque” language<sup>9</sup> (*euskara*) are taken from the `basque.dtx` file in the `babel` package [60–62], by Juan M. AGUIRREGABIRIA and Julio SÁNCHEZ, with help from Zunbeltz IZAOLA AZKONA. It seems that 8 bits fonts are preferable.

```

8140 (*basque)
8141 \ProvidesFile{basque.mld}[2006/01/13]%
8142 %% Basque titles from basque.dtx (babel).
8143 %% Aguirregabiria, Juan M. <wtpagagj at lg.ehu.es> WWW: http://tp.lc.ehu.es/jma.html
8144 %% & Sanchez, Julio <jsanchez at gm.v.es>,
8145 %% and help from Izaola Azkona, Zunbeltz <wmbizazz at lg dot ehu>
8146 %% Needs special fonts.
8147 \def\ptctitle{Gaien Aurkibidea}%
8148 \def\plftitle{Irudien Zerrenda}%
8149 \def\pltttitle{Taulen Zerrenda}%
8150 \def\mtctitle{Gaien Aurkibidea}%
8151 \def\mlftitle{Irudien Zerrenda}%
8152 \def\mltttitle{Taulen Zerrenda}%
8153 \def\stctitle{Gaien Aurkibidea}%

```

<sup>9</sup> Spoken in the basque country, in the north of Spain and south-west of France; see figure 13.25.

```
8154 \def\slftitle{Irudien Zerrenda}%
8155 \def\sltttitle{Taulen Zerrenda}%
8156 </basque>
```

## 13.20 “Bengali” language: bengali.mld

`\mtcselectlanguage` The “bengali” language is a synonym for the “bangla” language, so we load the file `bangla.mld` (see section 13.18 on page 493):

```
8157 <(*bengali)
8158 \ProvidesFile{bengali.mld}[2007/07/23]\mtcselectlanguage{bangla}%
8159 </bengali>
```

## 13.21 “Bicig” language: bicig.mld

`\bcg` The titles for the “bicig” language<sup>10</sup> are taken from the `MonTeX` package [137, 140]. This language requires specific fonts. See also sections 13.22 to 13.23 on pages 496–497, and 13.130 on page 585.

```
8160 <(*bicig)
8161 \ProvidesFile{bicig.mld}[1999/03/16]%
8162 %% Mongol (Bicig) titles needs mongol fonts
8163 \def\ptctitle{\bcg{Garcig}}%
8164 \def\plftitle{\bcg{zuraG-un zigsaaalt}}%
8165 \def\pltttitle{\bcg{k"usn"agti" in jagsaaalt}}%
8166 \def\mtctitle{\bcg{Garcig}}%
8167 \def\mlftitle{\bcg{zuraG-un zigsaaalt}}%
8168 \def\mltttitle{\bcg{k"usn"agti" in jagsaaalt}}%
8169 \def\stctitle{\bcg{Garcig}}%
8170 \def\slftitle{\bcg{zuraG-un zigsaaalt}}%
8171 \def\sltttitle{\bcg{k"usn"agti" in jagsaaalt}}%
8172 </bicig>
```

## 13.22 “Bicig2” language: bicig2.mld

The titles for the “bicig2” language<sup>11</sup> are taken from the `MonTeX` package [137, 140]. This language requires specific fonts. See also sections 13.21, and 13.23 on the next page, and 13.130 on page 585.

<sup>10</sup>The `bicig` is a written form of the mongolian language. It is also known as Uighur or Bichig. See also section 13.178 on page 631.

<sup>11</sup>The `bicig`, or `uighur`, is a written form of the mongolian language, `bicig2` is a variant. See also section 13.179 on page 631.



```

8173 (*bicig2)
8174 \ProvidesFile{bicig2.mld}[2005/11/16]%
8175 %% Mongol (Bicig2) titles (needs mongol fonts)
8176 \def\ptctitle{garcag}%
8177 \def\plftitle{zirug-un zigsagalda}%
8178 \def\plttitle{kuisunukdu-yin zigsagalda}%
8179 \def\mtctitle{garcag}%
8180 \def\mlftitle{zirug-un zigsagalda}%
8181 \def\mlttitle{kuisunukdu-yin zigsagalda}%
8182 \def\stctitle{garcag}%
8183 \def\slftitle{zirug-un zigsagalda}%
8184 \def\slttitle{kuisunukdu-yin zigsagalda}%
8185 </bicig2>

```

### 13.23 “Bicig3” language: bicig3.mld

The titles for the “bicig3” language<sup>12</sup> are taken from the `MONTEX` package [137, 140]. This language requires specific fonts. See also sections 13.21 to 13.22 on the preceding page and 13.130 on page 585.

```

8186 (*bicig3)
8187 \ProvidesFile{bicig3.mld}[2006/03/31]%
8188 %% Mongol (Bicig3) titles (needs mongol fonts)
8189 \def\ptctitle{aguulag=a}%
8190 \def\plftitle{zirug-un zigsagalda}%
8191 \def\plttitle{kuisunukdu-yin zigsagalda}%
8192 \def\mtctitle{aguulag=a}%
8193 \def\mlftitle{zirug-un zigsagalda}%
8194 \def\mlttitle{kuisunukdu-yin zigsagalda}%
8195 \def\stctitle{aguulag=a}%
8196 \def\slftitle{zirug-un zigsagalda}%
8197 \def\slttitle{kuisunukdu-yin zigsagalda}%
8198 </bicig3>

```

### 13.24 “Bithe” language: bithe.mld

The titles for the “bithe” language<sup>13</sup> are taken from the `MONTEX` package [137, 140]. This language requires specific fonts. See also sections 13.127 on page 584 and 13.130 on page 585. The Manju writing, or *bithe* system is a close relative of the Mongolian system; the basical letter shapes are the same. Yet for Manju, a set of diacritics (*dots and circles*) was designed to eliminate all the ambiguities of Mongolian.

ᠮᠠᠨᠵᠤ

<sup>12</sup>The `bicig`, or `uighur`, is a written form of the mongolian language, `bicig3` is a variant. See also section 13.180 on page 632.

<sup>13</sup>The `bithe` is a written form of the manju variant of the mongolian language.



Figure 13.27: Manchuria (<http://en.wikipedia.org/wiki/Manchuria> and <http://www.hunmagyar.org/turan/manchu/manchuria.html>)

Figure 13.27 shows the extent of Manchuria according to definition 1 (dark red) below, definition 3 (dark plus medium red) and definition 4 (dark plus medium plus light red):

1. Northeast China: generally defined as the three provinces of Heilongjiang, Jilin and Liaoning.
2. The above, plus part of northeastern Inner Mongolia.
3. The above, plus the Jehol region of Hebei province. The part of Manchuria in China is called Inner Manchuria to contrast it with Outer Manchuria (see below).
4. The above, plus Outer Manchuria or Russian Manchuria, a region in Russia that stretches from the Amur and Ussuri rivers to the Stanovoy Mountains and the Sea of Japan. Russian Far East comprises Primorsky Krai, southern Khabarovsk Krai, the Jewish Autonomous Oblast and Amur Oblast. These were part of Manchu China according

to the Treaty of Nerchinsk of 1689, but were ceded to Russia by the Treaty of Aigun (1858).

5. The above, plus Sakhalin Oblast, which is generally included on Chinese maps as part of Outer Manchuria, even though it is not explicitly mentioned in the Treaty of Nerchinsk.

Outer Manchuria is in light red on this map. Some also consider the island of Sakhalin to be part of Outer Manchuria.

```
8199 ⟨*bithe⟩
8200 \ProvidesFile{bithe.mld}[2005/11/16]%
8201 %% Manju (bithe) titles (needs mongol fonts)
8202 \def\ptctitle{garcag}%
8203 \def\plftitle{zirug-un? afaha}%
8204 \def\pltttitle{kuisunukdu-yin? afaha}%
8205 \def\mtctitle{garcag}%
8206 \def\mlftitle{zirug-un? afaha}%
8207 \def\mltttitle{kuisunukdu-yin? afaha}%
8208 \def\stctitle{garcag}%
8209 \def\slftitle{zirug-un? afaha}%
8210 \def\sltttitle{kuisunukdu-yin? afaha}%
8211 ⟨/bithe⟩
```

## 13.25 “Brazil” language: brazil.mld



The titles for the “brazil” language (*português brasileiro* or *português do Brasil*)<sup>14</sup> are taken from the `portuges.dtx` file (for portugese titles by Jose Pedro RAMALHETE) in the `babel` package [60, 61, 92]:

```
8212 ⟨*brazil⟩
8213 \ProvidesFile{brazil.mld}[2006/01/13]%
8214 %% Portugues (brazil) titles, from portuges.dtx (babel)
8215 %% Ramalhete, Jose Pedro & "de Lima", Arnaldo Viegas
8216 \def\ptctitle{Sum\ 'ario}%
8217 \def\plftitle{Lista de Figuras}%
8218 \def\pltttitle{Lista de Tabelas}%
8219 \def\mtctitle{Sum\ 'ario}%
8220 \def\mlftitle{Lista de Figuras}%
8221 \def\mltttitle{Lista de Tabelas}%
8222 \def\stctitle{Sum\ 'ario}%
8223 \def\slftitle{Lista de Figuras}%
8224 \def\sltttitle{Lista de Tabelas}%
8225 ⟨/brazil⟩
```

<sup>14</sup>It is the main portuguese dialect spoken in Brazil. Note that these titles are *different* in Brazil and in Portugal. Arnaldo Viegas DE LIMA contributed to brazilian translations. See section 13.148 on page 599.

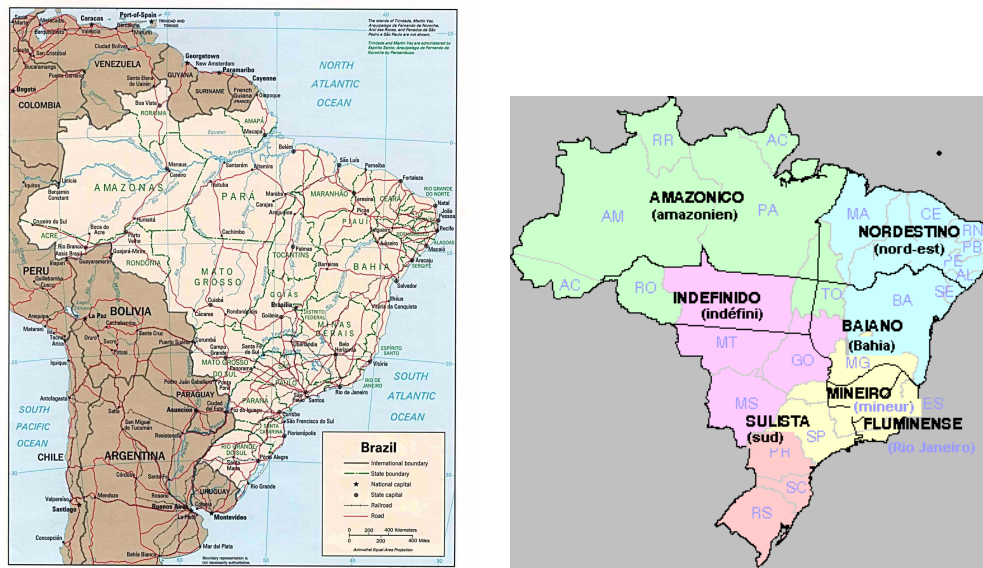


Figure 13.28: Brazil (<http://www.lib.utexas.edu/maps/americas/brazil.jpg> – Courtesy of the University of Texas Libraries, The University of Texas at Austin [395] – and <http://www.tfq.ulaval.ca/axl/amsudant/bresimapa-lingua.htm> in [294])

1. Caipira – States of São Paulo (countryside ; the city of São Paulo and the eastern areas of the state have their own dialect, called paulista) ; southern Minas Gerais, northern Paraná, Goiás and Mato Grosso do Sul.
2. Cearense – Ceará.
3. Baiano – Bahia.
4. Fluminense – Variants spoken in the states of Rio de Janeiro and Espírito Santo (excluding the city of Rio de Janeiro and its adjacent metropolitan areas, which have their own dialect, called carioca).
5. Gaúcho – Rio Grande do Sul. (There are many distinct accents in Rio Grande do Sul, mainly due to the heavy influx of European immigrants of diverse origins, those which have settled several colonies throughout the state.)
6. Mineiro – Minas Gerais (not prevalent in the Triângulo Mineiro, southern and southeastern Minas Gerais).
7. Nordestino – northeastern states of Brazil (Pernambuco and Rio Grande do Norte have a particular way of speaking).
8. Nortista – Amazon Basin states.
9. Paulistano – Variants spoken around São Paulo city and the eastern areas of São Paulo state.
10. Sertanejo – States of Goiás and Mato Grosso (the city of Cuiabá has a particular way of speaking).
11. Sulista – Variants spoken in the areas between the northern regions of Rio Grande do Sul and southern regions of São Paulo state. (The cities of Curitiba, Florianópolis, and Itapetinga have fairly distinct accents as well.)



Figure 13.29: Dialects of Portuguese in Brazil ([http://en.wikipedia.org/wiki/Portuguese\\_language](http://en.wikipedia.org/wiki/Portuguese_language))

### 13.26 “Brazilian” language: brazilian.mld

`\mtcselectlanguage` The “brazilian” language is just like “brazil”, so we just load `brazil.mld` (see section 13.25 on page 499):

```
8226 (*brazilian)
8227 \ProvidesFile{brazilian.mld}[2005/07/11]\mtcselectlanguage{brazil}%
8228 </brazilian>
```

### 13.27 “Breton” language: breton.mld

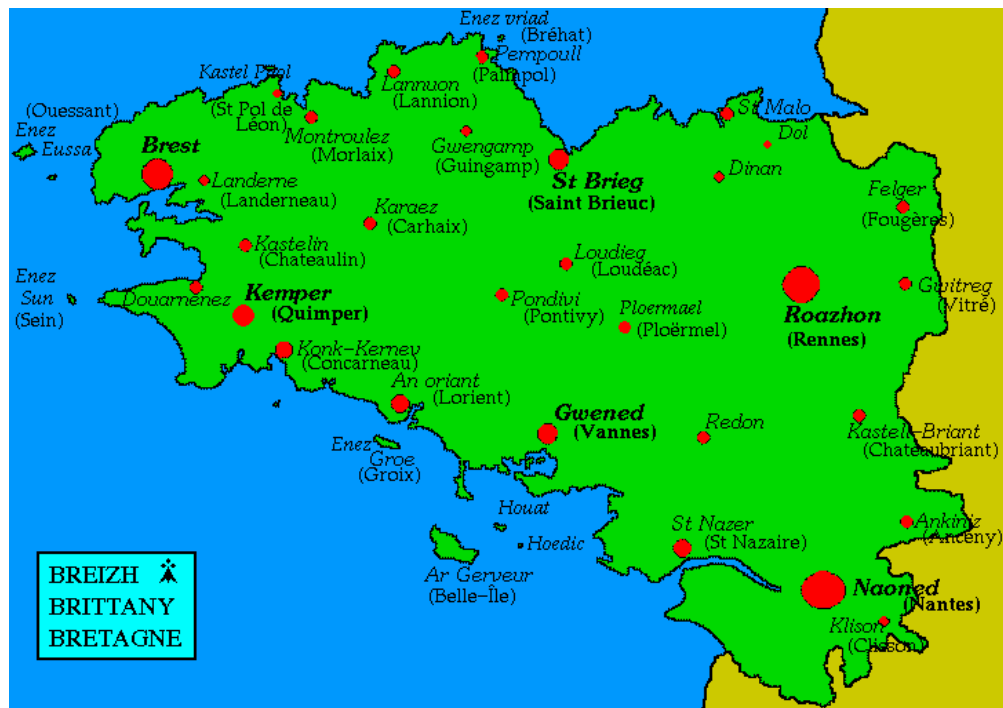
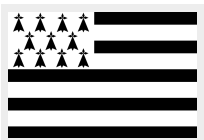


Figure 13.30: Brittany (<http://www.bretagnenet.com/scb/fgeo.html>)

The titles for the “breton” language (*brezhoneg*)<sup>15</sup> are taken from the `breton.dtx` file (by Christian ROLLAND) in the `babel` package [60, 61, 93]:

```
8229 (*breton)
8230 \ProvidesFile{breton.mld}[2006/01/13]%
8231 %% Breton titles from breton.dtx (babel) by Rolland, Christian
```

<sup>15</sup>Spoken as a local celtic dialect in french Brittany; see figure 13.30. See also <http://www.ofis-bzh.org>, <http://www.geobreizh.com/breizh/images/cartes/carte-bretagne-langue-fr.jpg> and <http://www.geobreizh.com/breizh/images/cartes/carte-bretagne-langue-br.jpg>.



```

8232 \def\ptctitle{Taolenn}%
8233 \def\plftitle{Listenn ar Figurenno\'u}%
8234 \def\pltttitle{Listenn an taolenno\'u}%
8235 \def\mtctitle{Taolenn}%
8236 \def\mlftitle{Listenn ar Figurenno\'u}%
8237 \def\mltttitle{Listenn an taolenno\'u}%
8238 \def\stctitle{Taolenn}%
8239 \def\slftitle{Listenn ar Figurenno\'u}%
8240 \def\sltttitle{Listenn an taolenno\'u}%
8241 \{/breton)

```

### 13.28 “British” language: british.mld

\mtcselectlanguage



The “british” language is just like “english”, so we just load english.mld (see section 13.45 on page 518):

```

8242 (*british)
8243 \ProvidesFile{british.mld}[2005/07/11]\mtcselectlanguage{english}%
8244 \{/british)

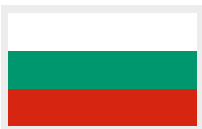
```

### 13.29 “Bulgarian” language: bulgarian.mld



Figure 13.31: Bulgaria ([http://en.wikipedia.org/wiki/Geography\\_of\\_Bulgaria](http://en.wikipedia.org/wiki/Geography_of_Bulgaria) and <http://www.lib.utexas.edu/maps/bulgaria.html> – Courtesy of the University of Texas Libraries, The University of Texas at Austin [395] –)

`\cyr`  
**БЪЛГАРСКИ**



The titles for the “bulgarian” language (*bǎlgarski*) are taken from the `bulgarian.dtx` (adapted from russian by Georgi N. BOSHPAKOV) file in the `babel` package [60, 61, 67]; they require specific cyrillic fonts. See also section 13.30.

```

8245 (*bulgarian)
8246 \ProvidesFile{bulgarian.mld}[2007/03/08]%
8247 %% Bulgarian titles from bulgarian.dtx (babel) (needs special cyrillic fonts)
8248 %% by Boshnakov, Georgi N. <georgi.boshnakov at umist.ac.uk>
8249 \def\ptctitle{%
8250   {\cyr\CYRS\cyhrdsn\cyrd\cyhrdsn\cyrr\cyrzh\cyra\cyrn\cyri\cyre}}%
8251 \def\plftitle{{\cyr\CYRS\cyrp\cyri\cyrs\cyhrdsn\cyrk\ %
8252   \cyrn\cyra\ \cyrf\cyri\cyrg\cyru\cyrr\cyri\cyrt\cyre}}%
8253 \def\plttitle{{\cyr\CYRS\cyrp\cyri\cyrs\cyhrdsn\cyrk\ %
8254   \cyrn\cyra\ \cyrt\cyra\cyrb\cyrl\cyri\cyrc\cyri\cyrt\cyre}}%
8255 \def\mtctitle{%
8256   {\cyr\CYRS\cyhrdsn\cyrd\cyhrdsn\cyrr\cyrzh\cyra\cyrn\cyri\cyre}}%
8257 \def\mlftitle{{\cyr\CYRS\cyrp\cyri\cyrs\cyhrdsn\cyrk\ %
8258   \cyrn\cyra\ \cyrf\cyri\cyrg\cyru\cyrr\cyri\cyrt\cyre}}%
8259 \def\mlttitle{{\cyr\CYRS\cyrp\cyri\cyrs\cyhrdsn\cyrk\ %
8260   \cyrn\cyra\ \cyrt\cyra\cyrb\cyrl\cyri\cyrc\cyri\cyrt\cyre}}%
8261 \def\stctitle{%
8262   {\cyr\CYRS\cyhrdsn\cyrd\cyhrdsn\cyrr\cyrzh\cyra\cyrn\cyri\cyre}}%
8263 \def\slftitle{{\cyr\CYRS\cyrp\cyri\cyrs\cyhrdsn\cyrk\ %
8264   \cyrn\cyra\ \cyrf\cyri\cyrg\cyru\cyrr\cyri\cyrt\cyre}}%
8265 \def\slttitle{{\cyr\CYRS\cyrp\cyri\cyrs\cyhrdsn\cyrk\ %
8266   \cyrn\cyra\ \cyrt\cyra\cyrb\cyrl\cyri\cyrc\cyri\cyrt\cyre}}%
8267 (/bulgarian)

```

### 13.30 “Bulgarianb” language: `bulgarianb.mld`

`\cyr` The titles for the “bulgarianb” (upper bulgarian) language are taken from the `russianb.dtx` file (by Olga G. ЛАРКО, Vladimir VOLOVICH, Werner LEMBERG, and Irina A. МАКHOVAYA) of the `babel` package [60, 61, 84, 286]; they require specific cyrillic fonts. See also section 13.29 on the preceding page.

```

8268 (*bulgarianb)
8269 \ProvidesFile{bulgarianb.mld}[2006/03/06]%
8270 %% Upper bulgarian titles from russianb.dtx. Needs cyrillic fonts for upper bulgarian.
8271 \def\ptctitle{%
8272   {\cyr\CYRS\cyhrdsn\cyrd\cyhrdsn\cyrr\cyrzh\cyra\cyrn\cyri\cyre}}%
8273 \def\plftitle{% Figuri
8274   {\cyr \CYRF\cyri\cyrg\cyru\cyrr\cyri}}%
8275 \def\plttitle{% Tablici
8276   {\cyr \CYRT\cyra\cyrb\cyrl\cyri\cyrc\cyri}}%
8277 \def\mtctitle{% Sydyrzhanie
8278   {\cyr\CYRS\cyhrdsn\cyrd\cyhrdsn\cyrr\cyrzh\cyra\cyrn\cyri\cyre}}%
8279 \def\mlftitle{% Figurite
8280   {\cyr \CYRF\cyri\cyrg\cyru\cyrr\cyri}}%
8281 \def\mlttitle{% Tablici

```

```

8282 {\cyr \CYRT\cyra\cyrb\cyr\cyri\cyrc\cyri}}%
8283 \def\stctitle{% Sydyrzhanie
8284 {\cyr\CYRS\cyrhrdsn\cyrd\cyrhrdsn\cyr\cyrzh\cyra\cyrn\cyri\cyre}}%
8285 \def\slftitle{% Figuri
8286 {\cyr \CYRF\cyri\cyrg\cyru\cyr\cyri}}%
8287 \def\sltttitle{% Tablici
8288 {\cyr \CYRT\cyra\cyrb\cyr\cyri\cyrc\cyri}}%
8289 </bulgarianb>

```

### 13.31 “Buryat” language: buryat.mld



Figure 13.32: Republic of Buryatia ([http://russiatrek.org/rp\\_buryatia.shtml](http://russiatrek.org/rp_buryatia.shtml))

`\mnr` The titles for the “buryat” language<sup>16</sup> are taken from the `MonTeX` package [137, 140]. This  
`\sh` language requires specific fonts. See also section 13.130 on page 585.



```

8290 (*buryat)
8291 \ProvidesFile{buryat.mld}[1999/03/16]%
8292 %% Buryat titles. Needs special fonts.
8293 \def\ptctitle{{\mnr Gar{\sh}ag}}%
8294 \def\plftitle{{\mnr Zuraga"i jagsaalt}}%
8295 \def\pltttitle{{\mnr X"usn"ag"at"a"i jagsaalt}}%
8296 \def\mtctitle{{\mnr Gar{\sh}ag}}%
8297 \def\mlftitle{{\mnr Zuraga"i jagsaalt}}%
8298 \def\mltttitle{{\mnr X"usn"ag"at"a"i jagsaalt}}%
8299 \def\stctitle{{\mnr Gar{\sh}ag}}%
8300 \def\slftitle{{\mnr Zuraga"i jagsaalt}}%
8301 \def\sltttitle{{\mnr X"usn"ag"at"a"i jagsaalt}}%
8302 </buryat>

```

<sup>16</sup>Spoken in some regions of Mongolia and in the Buryatia republic, near Lake Baikal. See figure 13.32.



### 13.32 “Buryat2” language: buryat2.mld

`\mnr` The titles for the “buryat2” language (a variant for the “buryat” language, see section 13.31 on the page before) are taken from the `MonTeX` package [137, 140]. This language requires specific fonts. See also section 13.130 on page 585.

```
8303 (*buryat2)
8304 \ProvidesFile{buryat2.mld}[1999/03/16]%
8305 % Buryat2 titles. Needs special fonts.
8306 \def\ptctitle{\mnr Aguulga}%
8307 \def\plftitle{\mnr Zuraga"i jagsaalt}%
8308 \def\pltttitle{\mnr X"usn"ag"at"a"i jagsaalt}%
8309 \def\mtctitle{\mnr Aguulga}%
8310 \def\mlftitle{\mnr Zuraga"i jagsaalt}%
8311 \def\mltttitle{\mnr X"usn"ag"at"a"i jagsaalt}%
8312 \def\stctitle{\mnr Aguulga}%
8313 \def\slftitle{\mnr Zuraga"i jagsaalt}%
8314 \def\sltttitle{\mnr X"usn"ag"at"a"i jagsaalt}%
8315 </buryat2>
```

### 13.33 “Canadian” language: canadian.mld

`\mtcselectlanguage` The “canadian” language (note the final “ian”) is just the english language spoken in Canada. We just load the file `english.mld` (see section 13.45 on page 518):



```
8316 (*canadian)
8317 \ProvidesFile{canadian.mld}[2004/12/14]\mtcselectlanguage{english}%
8318 </canadian>
```

### 13.34 “Canadien” language: canadien.mld

`\mtcselectlanguage` The “canadien” language (note the final “ien”) is just the french language spoken in Canada. We just load the file `french.mld` (see section 13.60 on page 531):



```
8319 (*canadien)
8320 \ProvidesFile{canadien.mld}[2004/12/14]\mtcselectlanguage{french}%
8321 </canadien>
```

Province	Official language(s)
Alberta	english
British-Columbia	english
Island-of-Prince-Edward	english
Manitoba	english
New-Brunswick	english-french
New-Scotland	english
Ontario	english
Québec	french
Satkatchewan	english
Newfoundland	english
Federal territories	english-french
Federal government	english-french

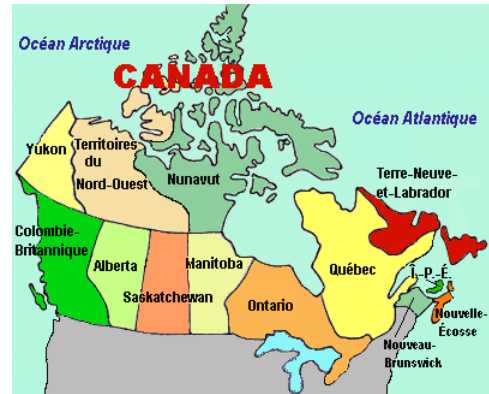


Figure 13.33: Official languages in Canada (<http://www.tfq.ulaval.ca/axl/amnord/canada.htm> in [294])



Figure 13.34: Canada ([http://www.lib.utexas.edu/maps/cia07/canada\\_sm\\_2007.gif](http://www.lib.utexas.edu/maps/cia07/canada_sm_2007.gif) – Courtesy of the University of Texas Libraries, The University of Texas at Austin [395])



Figure 13.35: Political map of Canada ([http://en.wikipedia.org/wiki/Provinces\\_and\\_territories\\_of\\_Canada](http://en.wikipedia.org/wiki/Provinces_and_territories_of_Canada))

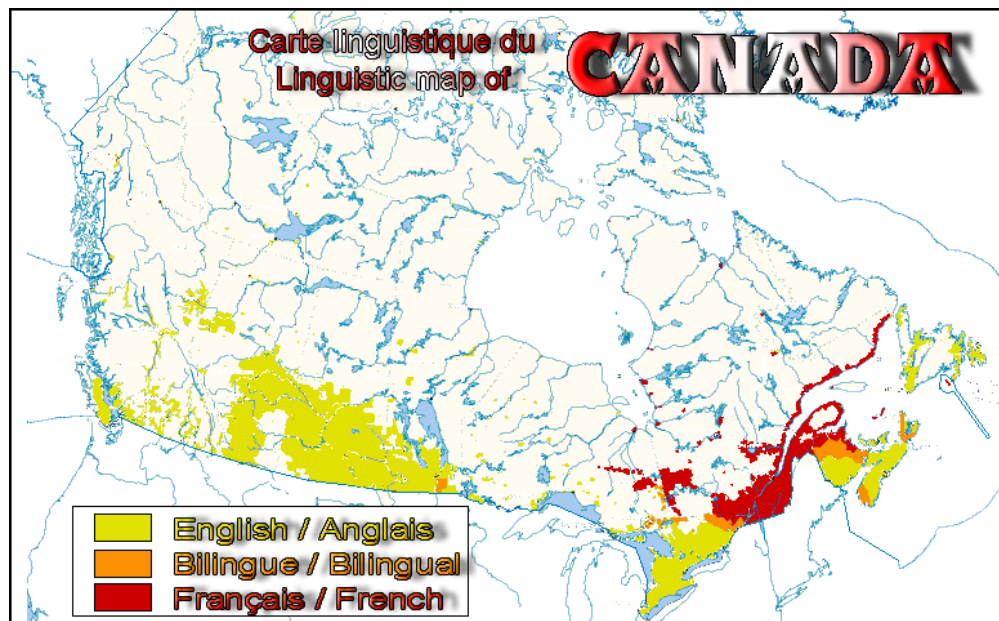


Figure 13.36: Linguistic map of Canada ([http://fr.wikipedia.org/wiki/Bilinguisme\\_au\\_Canada](http://fr.wikipedia.org/wiki/Bilinguisme_au_Canada))

### 13.35 “Castillan” language: castillan.mld

\mtcselectlanguage



The “castillan” language is better known as “spanish”, but is spoken mainly in Castile, a part of central Spain. We just load the spanish.mld file (see section 13.169 on page 620):

```
8322 (*castillan)
8323 \ProvidesFile{castillan.mld}[2004/12/14]\mtcselectlanguage{spanish}%
8324 </castillan>
```

### 13.36 “Castillian” language: castillian.mld

\mtcselectlanguage

“Castillian” is just the english name for “castillan”, so we just load the spanish.mld file (see section 13.169 on page 620):

```
8325 (*castillian)
8326 \ProvidesFile{castillian.mld}[2005/07/01]\mtcselectlanguage{spanish}%
8327 </castillian>
```

### 13.37 “Catalan” language: catalan.mld

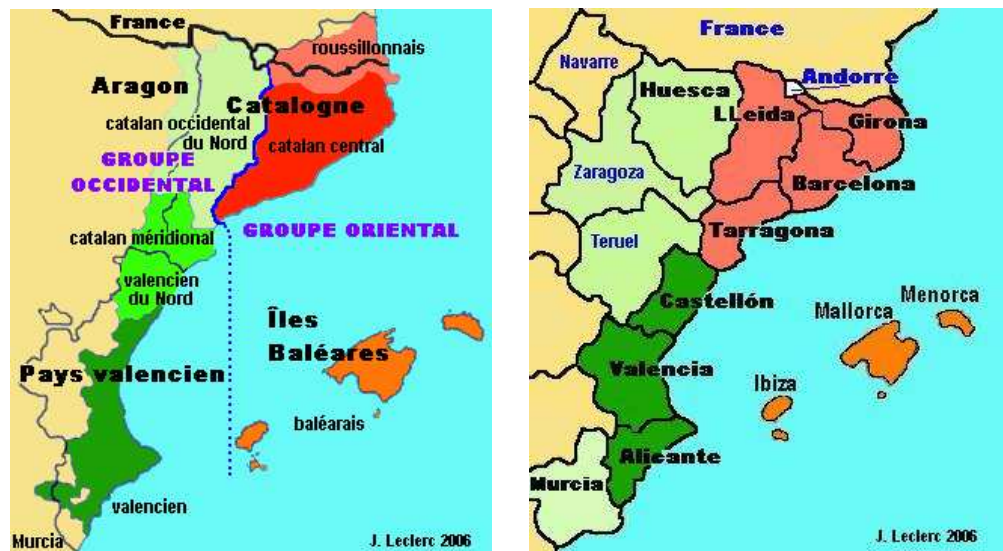


Figure 13.37: Catalan language areas (<http://www.tfq.ulaval.ca/axl/europe/espagnecatalogne.htm> in [294]; see also [http://en.wikipedia.org/wiki/Catalan\\_language](http://en.wikipedia.org/wiki/Catalan_language))



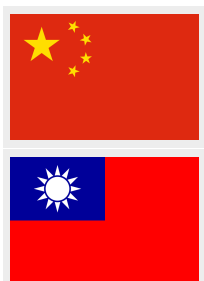
The titles for the “catalan” language (*català, valencià*)<sup>17</sup> are taken from the `catalan.dtx` file (adapted from spanish by Gonçal BADENES and Jörg KNAPPEN) in the `babel` package [60, 61, 64]:

```
8328 \catan
8329 \ProvidesFile{catalan.mld}[2006/01/13]%
8330 %% Catalan titles from catalan.dtx (babel) (Badenes, Gonçal)
8331 \def\ptctitle{\'Index}%
8332 \def\plftitle{\'Index de figures}%
8333 \def\plttitle{\'Index de taules}%
8334 %%
8335 \def\mtctitle{\'Index}%
8336 \def\mlftitle{Figures}%
8337 \def\mlttitle{Taules}%
8338 \def\stctitle{\'Index}%
8339 \def\slftitle{Figures}%
8340 \def\slttitle{Taules}%
8341 \catan
```

### 13.38 “Chinese1” language: `chinese1.ml[d|o]`

`\mtcloadmlo` There are several variants for the chinese language. The “chinese1” language uses titles taken from the `Bg5.cap` file in the CJK system [127, 297, 298] (by Werner LEMBERG). Special fonts are needed, of course. See also section 13.39. See [418] about the history of China and the chinese language. The titles for the “chinese1” language contain characters that cannot be easily generated, hence we load `chinese1.mlo`.

中文



```
8342 \catan
8343 \ProvidesFile{chinese1.mld}[2005/01/28]\mtcloadmlo{chinese1}%
8344 %% From file Bg5.cap of the CJK package for using Asian logographs with LaTeX2e
8345 %% Created by Werner Lemberg <wl@gnu.org>. Version 4.5.2 (28-Mar-2003)
8346 %% Chinese captions: character set: Big 5, encoding: Big 5
8347 \catan
```

### 13.39 “Chinese2” language: `chinese2.ml[d|o]`

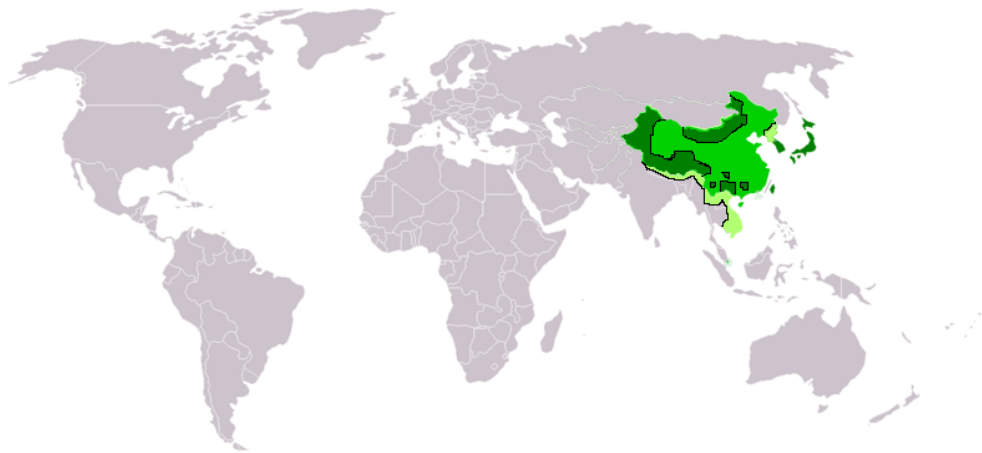
`\mtcloadmlo` The “chinese2” language uses titles taken from the `Bg5.cpx` file in the CJK system [127, 297, 298] (by Werner LEMBERG). Special fonts are needed, of course. See also section 13.38. The titles for the “chinese2” language contain characters that cannot be easily generated, hence we load `chinese2.mlo`.

<sup>17</sup>Spoken in Catalunya, the eastern part of Spain, around Barcelona, and in Roussillon, in France. See figure 13.37 on the page before.

漢 汉  
字 字

Left: "Chinese character" in hàn zì (Traditional Chinese);  
Right: "Chinese character" in Simplified Chinese.

Figure 13.38: Traditional and simplified Chinese versions of the Chinese word hàn zì ([http://en.wikipedia.org/wiki/Chinese\\_written\\_language](http://en.wikipedia.org/wiki/Chinese_written_language))



Areas using only Chinese characters in green; in conjunction with other scripts, dark green; maximum extent of historic usage, light green (does not include other territories annexed by Japan in World War II).

Figure 13.39: Areas using Chinese characters ([http://en.wikipedia.org/wiki/Chinese\\_character](http://en.wikipedia.org/wiki/Chinese_character))

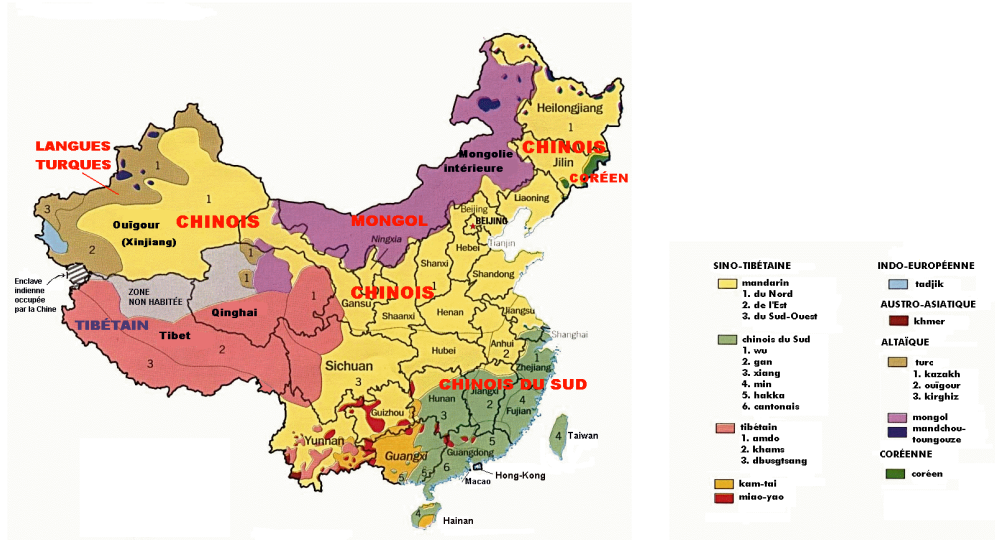


Figure 13.40: Languages in China (<http://www.tfq.ulaval.ca/axl/asie/chine-map-langues.htm> in [294])

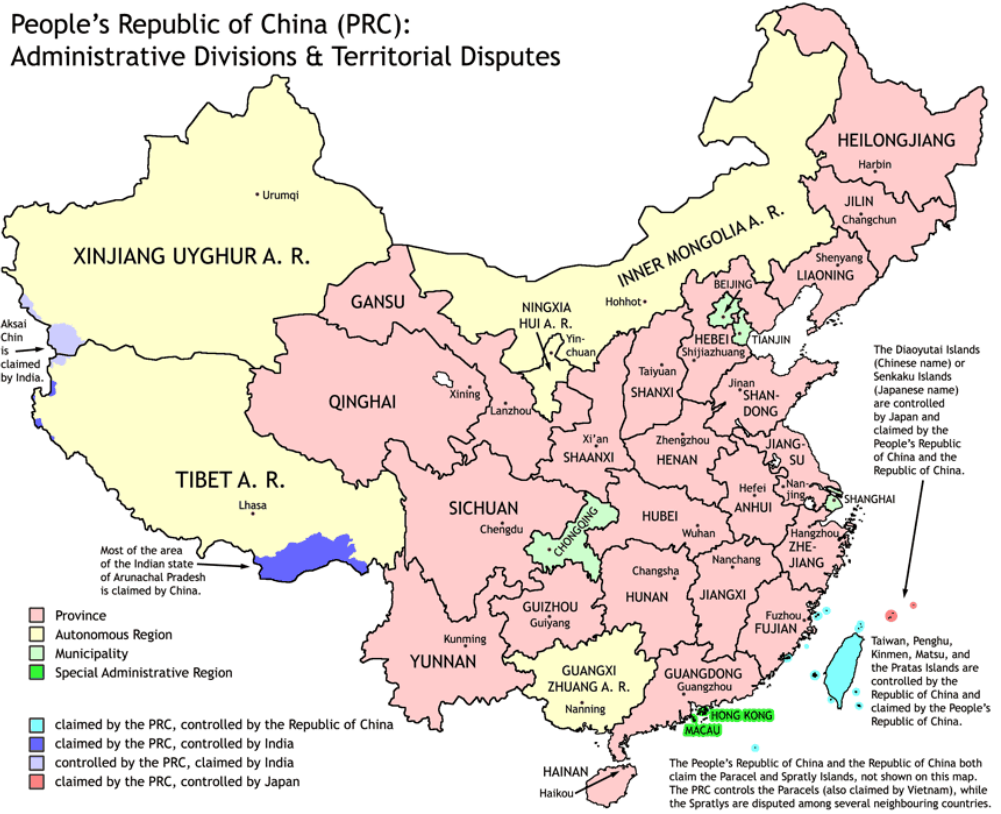


Figure 13.41: People's Republic of China (PRC) (<http://en.wikipedia.org/wiki/PRC>)



Figure 13.42: Dialects in China ([http://en.wikipedia.org/wiki/Chinese\\_language](http://en.wikipedia.org/wiki/Chinese_language))

```

8348 (*chinese2)
8349 \ProvidesFile{chinese2.mld}[2005/01/28]\mtcloadmlo{chinese2}%
8350% From file Bg5.cpx of the CJK package for using Asian logographs with LaTeX2e
8351% Created by Werner Lemberg <wl@gnu.org>. Version 4.5.2 (28-Mar-2003)
8352% Chinese captions: character set: Big 5, encoding: Big 5, preprocessed
8353 </chinese2>

```



### 13.40 “Croatian” language: `croatian.mld`

The titles for the “croatian” language (*hrvatski*) are taken from the file `croatian.dtx` file (by Alan PAIĆ) in the `babel` package [60, 61, 89] (see figures 13.43 to 13.44 on the following page):




```
8354 (*croatian)
8355 \ProvidesFile{croatian.mld}[2007/12/18]%
8356 %% Croatian titles from croatian.dtx (babel). Pai\{c}, Alan.
8357 \def\ptctitle{Sadr\v{z}aj}%
8358 \def\plftitle{Popis slika}%
8359 \def\plttitle{Popis tablica}%
8360 \def\mtctitle{Sadr\v{z}aj}%
8361 \def\mlftitle{Popis slika}%
8362 \def\mlttitle{Popis tablica}%
8363 \def\stctitle{Sadr\v{z}aj}%
8364 \def\slftitle{Slike}%
8365 \def\slttitle{Tablice}%
8366 </croatian>
```

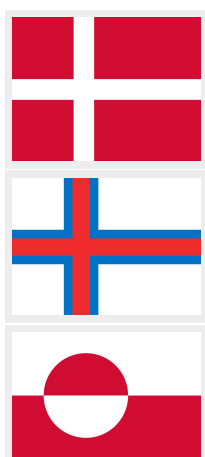
### 13.41 “Czech” language: `czech.mld`



The titles for the “czech” language (*čeština, český jazyk*) are taken from the file `czech.dtx` (contributions by Miloš V. LOKAJČEK) in the `babel` package [60, 61, 87]:

```
8367 (*czech)
8368 \ProvidesFile{czech.mld}[2007/12/04]%
8369 %% Czech titles from czech.dtx (babel). Lokaj\{i}\v{c}ek, Milo\v{s} V.
8370 \def\ptctitle{Obsah}%
8371 \def\plftitle{Seznam obr\'azk\{r}{u}}%
8372 \def\plttitle{Seznam tabulek}%
8373 \def\mtctitle{Obsah}%
8374 \def\mlftitle{Seznam obr\'azk\{r}{u}}%
8375 \def\mlttitle{Seznam tabulek}%
8376 \def\stctitle{Obsah}%
8377 \def\slftitle{Seznam obr\'azk\{r}{u}}%
8378 \def\slttitle{Seznam tabulek}%
8379 </czech>
```

### 13.42 “Danish” language: `danish.mld`



The titles for the “danish” language<sup>18</sup> are taken from the `dani sh.dtx` file (by Henning LARSEN) in the `babel` package [60, 61, 85]:

<sup>18</sup>The danish (*dansk*) language is spoken in Denmark, in the Faeroe Islands and in Greenland.

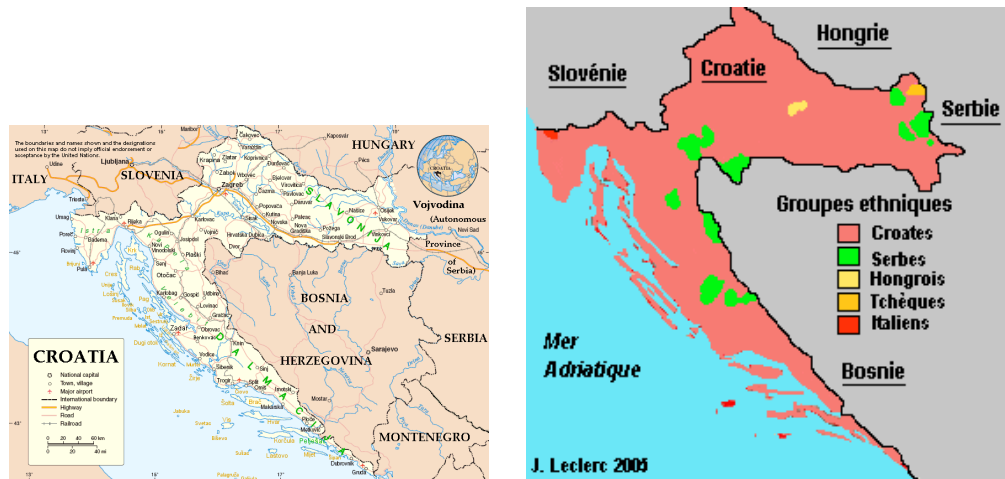


Figure 13.43: Croatia and minorities in Croatia ([http://en.wikipedia.org/wiki/Geography\\_of\\_Croatia](http://en.wikipedia.org/wiki/Geography_of_Croatia) and <http://www.tfq.ulaval.ca/axl/europe/croatieinfos.htm> in [294])

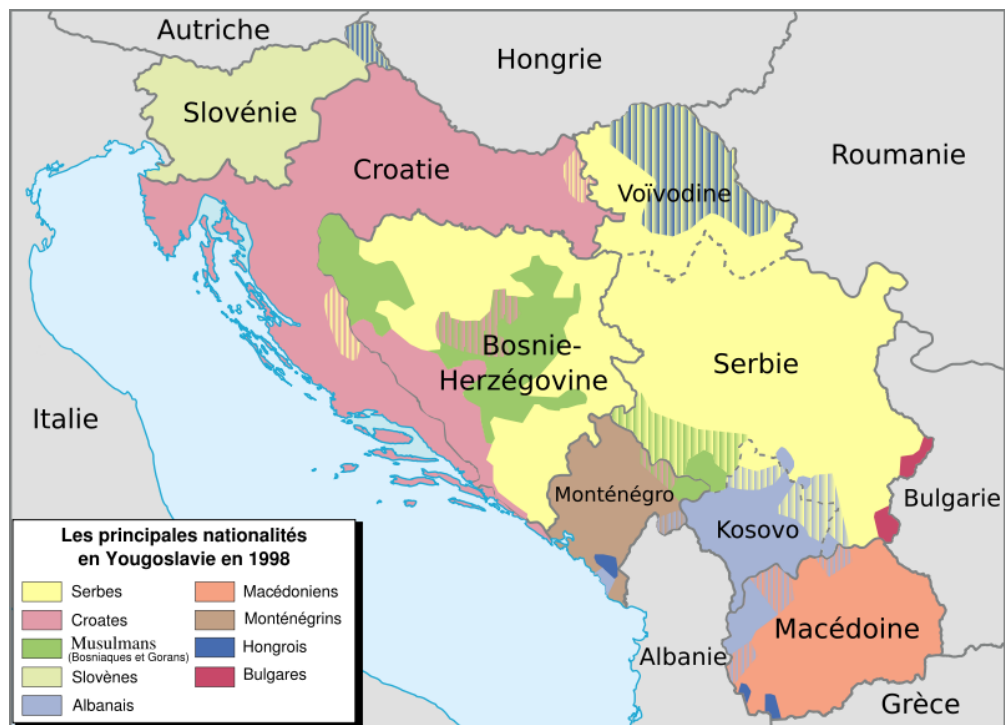


Figure 13.44: Main nationalities in ex-Yugoslavia in 1998 (<http://fr.wikipedia.org/wiki/Croate>)

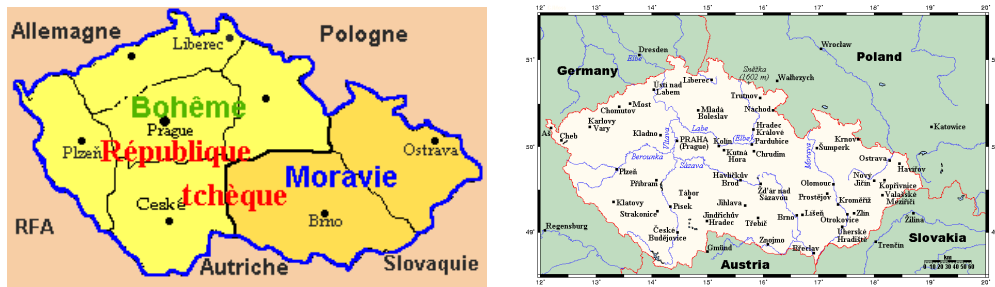
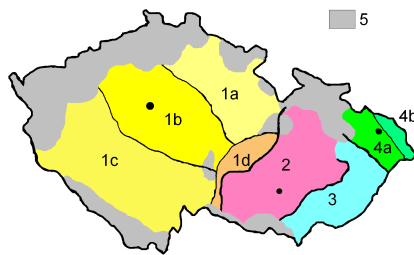


Figure 13.45: Czech Republic (<http://www.tfq.ulaval.ca/axl/europe/reptcheque.htm> in [294] and [http://en.wikipedia.org/wiki/Geography\\_of\\_the\\_Czech\\_Republic](http://en.wikipedia.org/wiki/Geography_of_the_Czech_Republic))



1. Czech group :
  - 1.a north-east czech subgroup,
  - 1.b center czech subgroup.
  - 1.c south-west czech subgroup,
  - 1.d morave czech subgroup.
2. Group of central Moravia.
3. Group of eastern Moravia.
4. Group of Silesia :
  - 4.a subgroup of moravian Silesia,
  - 4.b subgroup of polish Silesia.
5. Miscellaneous dialects.

Figure 13.46: Czech dialects (<http://fr.wikipedia.org/wiki/Tchèque>)

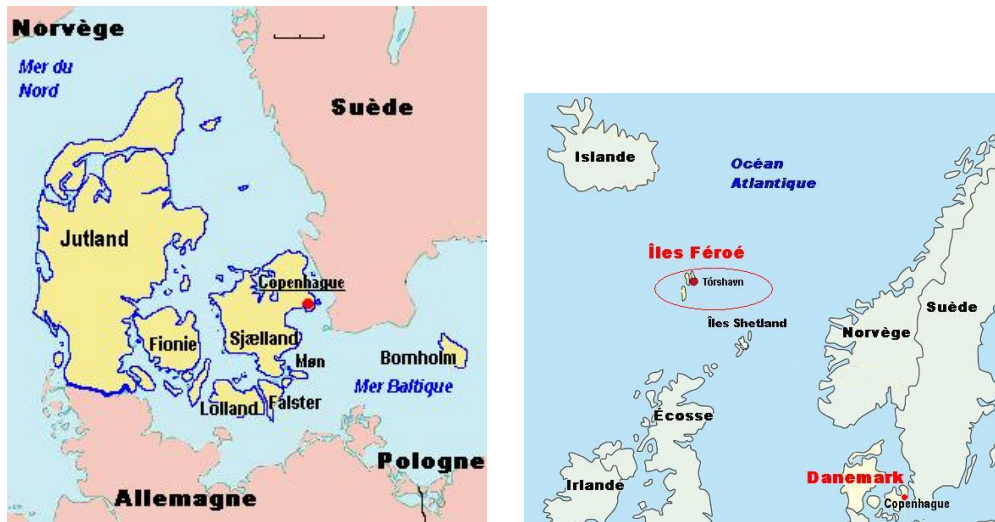
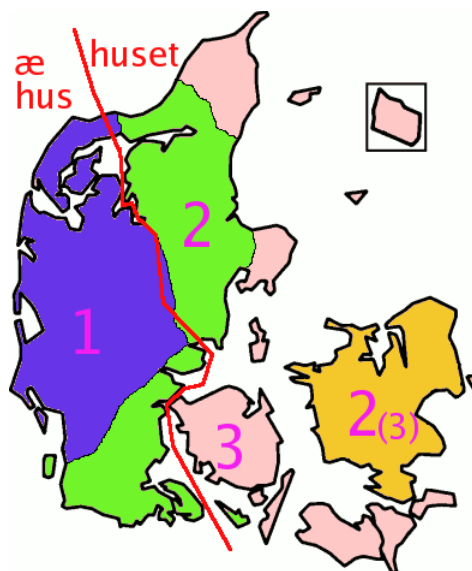
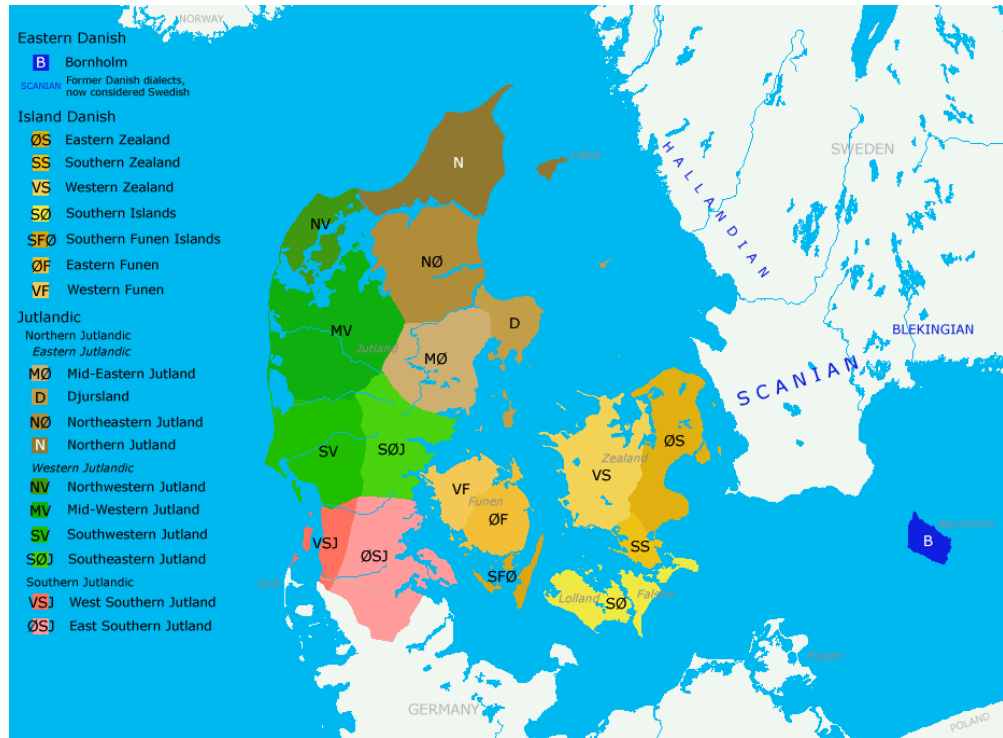


Figure 13.47: Denmark and Faeroe Islands (<http://www.tfq.ulaval.ca/axl/europe/danemarkcarte.htm> and [http://www.tfq.ulaval.ca/axl/europe/feroe\\_carte1.htm](http://www.tfq.ulaval.ca/axl/europe/feroe_carte1.htm) in [294])

```

8380 (*danish)
8381 \ProvidesFile{danish.mld}[2007/12/18]%
8382 % Danish titles from danish.dtx (babel). Larsen, Henning (larsen@cernvm.cern.ch)
8383 \def\ptctitle{Indhold}%
    
```



The distribution of one, two, and three grammatical genders in Danish dialects. In Zealand (*Sjælland*) the transition from three to two genders has happened fairly recently. West of the red line the definite article goes before the word as in English or German; east of the line it takes the form of a suffix.

Figure 13.48: Danish dialects ([http://en.wikipedia.org/wiki/Danish\\_language](http://en.wikipedia.org/wiki/Danish_language))

```

8384 \def\plftitle{Figurer}%
8385 \def\pltttitle{Tabeller}%
8386 \def\mtctitle{Indhold}%
8387 \def\mlftitle{Figurer}%
8388 \def\mltttitle{Tabeller}%
8389 \def\stctitle{Indhold}%
8390 \def\slftitle{Figurer}%
8391 \def\sltttitle{Tabeller}%
8392 </danish>

```

### 13.43 “Devanagari” language: devanagari.mld

देवनागरी

The titles for the “devanagari” language are taken from the devanagari.sty and captions.dn files (by Anshuman PANDEY, C. V. RADHAKRISHNAN, Zdeněk WAGNER, John SMITH, Kevin CARMODY, Richard MAHONEY and Dominik WUJASTYK) in the Devanāgarī package [364] (Devanāgarī). See also section 13.85 on page 557.

```

\dn Specific fonts are required. The home page of the package is http://devnag.sarovar.org.
\qva See also [148] about the hindi language.
\re
\rs 8393 (*devanagari)
\8 8394 \ProvidesFile{devanagari.mld}[2006/08/25]%
\2 8395 %% Devanagari (hindi) titles from devanagari.sty by
8396 %% Pandey, Anshuman & Radhakrishnan, C.~V. & Wagner, Zden\v{e}k &
8397 %% Smith, John & Carmody, Kevin & Mahoney, Richard & Wujastyk, Dominik
8398 \def\ptctitle{{\dn Evqy{\rs -\re}\8{s}cF}}%
8399 \def\plftitle{{\dn Ec/o{\qva} kF \8{s}cF}}%
8400 \def\pltttitle{{\dn tAEIkAao\2 kF \8{s}cF}}%
8401 \def\mtctitle{{\dn Evqy{\rs -\re}\8{s}cF}}%
8402 \def\mlftitle{{\dn Ec/o{\qva} kF \8{s}cF}}%
8403 \def\mltttitle{{\dn tAEIkAao\2 kF \8{s}cF}}%
8404 \def\stctitle{{\dn Evqy{\rs -\re}\8{s}cF}}%
8405 \def\slftitle{{\dn Ec/o{\qva} kF \8{s}cF}}%
8406 \def\sltttitle{{\dn tAEIkAao\2 kF \8{s}cF}}%
8407 </devanagari>

```

### 13.44 “Dutch” language: dutch.mld

The titles for the “dutch” language<sup>19</sup> are taken from the dutch.dtx file (by Johannes L. BRAAMS) in the babel package [55, 60, 61]:

<sup>19</sup>The dutch language (*nederlands*) is spoken in the Netherlands and a part of Belgium; see figures 13.49 to 13.51 on pages 518–519.

```

8408 ⟨*dutch⟩
8409 \ProvidesFile{dutch.mld}[2007/12/18]%
8410 %% Dutch titles from dutch.dtx (babel) (Braams, Johannes~L.)
8411 \def\ptctitle{Inhoudsopgave}%
8412 \def\plftitle{L"yst van figuren}%
8413 \def\pltttitle{L"yst van tabellen}%
8414 \def\mtctitle{Inhoudsopgave}%
8415 \def\mlftitle{L"yst van figuren}%
8416 \def\mltttitle{L"yst van tabellen}%
8417 \def\stctitle{Inhoudsopgave}%
8418 \def\slftitle{L"yst van figuren}%
8419 \def\sltttitle{L"yst van tabellen}%
8420 ⟨/dutch⟩

```

### 13.45 “English” language: english.mld

The titles for the “english” language are taken from the `english.dtx` file (by Johannes L. BRAAMS) in the `babel` package [56, 60, 61]. *The presence of the `english.mld` file is mandatory, because english is the default language.*



See also sections 13.7 on page 485, 13.13 on page 491, 13.28 on page 502, 13.33 on page 505, 13.134 on page 589, 13.181 on page 632, and 13.185 on page 635.



```

8421 ⟨*english⟩
8422 \ProvidesFile{english.mld}[2006/01/13]%
8423 %% English titles from english.dtx (babel) (Braams, Johannes~L.)
8424 \def\ptctitle{Table of Contents}%
8425 \def\plftitle{List of Figures}%
8426 \def\pltttitle{List of Tables}%
8427 %%
8428 \def\mtctitle{Contents}%
8429 \def\mlftitle{Figures}%

```



Figure 13.49: Dutch speaking countries (<http://en.wikipedia.org/wiki/Dutch>)

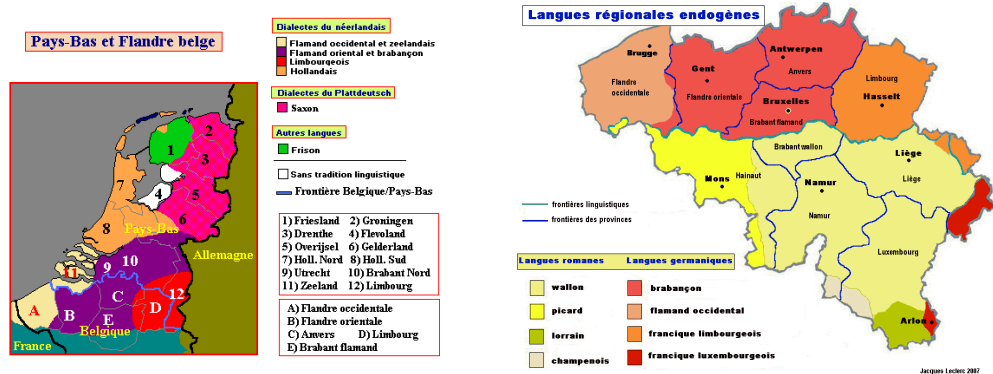


Figure 13.50: Languages in the Netherlands and in Belgium ([http://www.tfq.ulaval.ca/axl/europe/paysbas\\_lng\\_Map.htm](http://www.tfq.ulaval.ca/axl/europe/paysbas_lng_Map.htm) and [http://www.tfq.ulaval.ca/axl/europe/belgique\\_lng-regionales.htm](http://www.tfq.ulaval.ca/axl/europe/belgique_lng-regionales.htm) in [294])

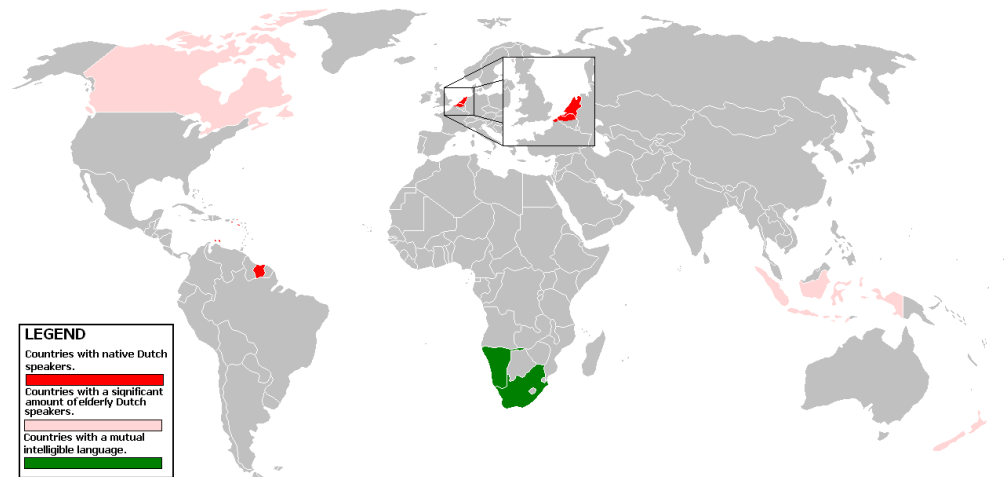
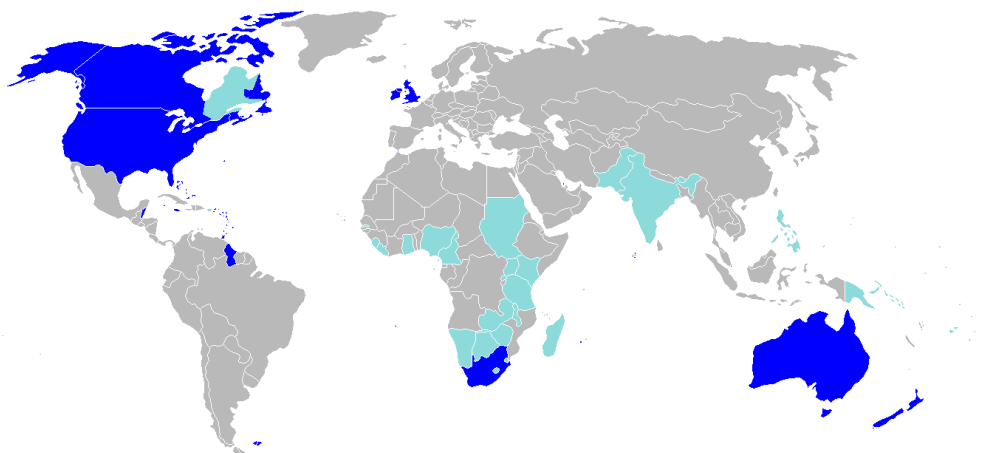


Figure 13.51: The dutch language in the world (<http://fr.wikipedia.org/wiki/Néerlandais>)

```
8430 \def\mltttitle{Tables}%
8431 \def\stcttitle{Contents}%
8432 \def\slfttitle{Figures}%
8433 \def\slttitle{Tables}%
8434 \end{language}
```

### 13.46 “English1” language: english1.mld

\ifnum The titles for the “english1” language come from the english.dtx file (written by \value Johannes L. BRAAMS) in the babel package [56, 60, 61], with some adaptations for the \Roman part-level titles.

Figure 13.52: Anglophone areas ([http://en.wikipedia.org/wiki/English\\_language](http://en.wikipedia.org/wiki/English_language))

```

8435 (*english1)
8436 \ProvidesFile{english1.mld}[2006/03/30]%
8437 %% English titles from english.dtx (babel) Braams, Johannes~L.
8438 %% ptctitle, plftitle and pltttitle modified (JFPD)
8439 \def\ptctitle{\ifnum\value{part}=1\relax
8440   Table of Contents of the First Part\relax
8441   \else Table of Contents of Part~\Roman{part}\fi}%
8442 \def\plftitle{\ifnum\value{part}=1\relax
8443   List of Figures in the First Part\relax
8444   \else List of Figures in Part~\Roman{part}\fi}%
8445 \def\pltttitle{\ifnum\value{part}=1\relax
8446   List of Tables in the First Part\relax
8447   \else List of Tables in Part~\Roman{part}\fi}%
8448 %%
8449 \def\mtctitle{Contents}%
8450 \def\mlftitle{Figures}%
8451 \def\mltttitle{Tables}%
8452 \def\stctitle{Contents}%
8453 \def\slftitle{Figures}%
8454 \def\slttitle{Tables}%
8455 </english1>

```

### 13.47 “English2” language: english2.mld

```

\mtcEnglishIIpart The titles for the “english2” language are again taken from the english.dtx file (written
\ifcase by Johannes L. BRAAMS) in the babel package [56, 60, 61], with adaptations at the part level.
\value
\Roman 8456 (*english2)
8457 \ProvidesFile{english2.mld}[2006/03/30]%
8458 %% English titles from english.dtx (babel) Braams, Johannes~L.

```





See [135, page 77] and [385, page 137]

(1) English is the only official language.

(2) English is one of the official languages.

Figure 13.53: English-speaking countries ([http://en.wikipedia.org/wiki/English\\_Language](http://en.wikipedia.org/wiki/English_Language))

```

8459%% ptctitle, plftitle and pltttitle modified (JPDF)
8460 \def\mtcEnglishIIpart{\ifcase\value{part}%
8461 \or the First Part\or the Second Part\or the Third Part
8462 \or the Fourth Part\or the Fifth Part\or the Sixth Part
8463 \or the Seventh Part\or the Eighth Part\or the Ninth Part
8464 \or the Tenth Part\or the Eleventh Part\or the Twelfth Part
8465 \or the Thirteenth Part\or the Fourteenth Part \or the Fifteenth Part
8466 \or the Sixteenth Part \or the Seventeenth Part \or the Eighteenth Part
8467 \or the Nineteenth Part\or the Twentieth Part \else Part~\Roman{part}\fi}
8468 \def\ptctitle{Contents of \mtcEnglishIIpart}
8469 \def\plftitle{List of Figures in \mtcEnglishIIpart}
8470 \def\pltttitle{List of Tables in \mtcEnglishIIpart}
8471 %%
8472 \def\mtctitle{Contents}%
8473 \def\mlftitle{Figures}%
8474 \def\mltttitle{Tables}%
8475 \def\stctitle{Contents}%
8476 \def\slftitle{Figures}%
8477 \def\slttitle{Tables}%
8478 </english2>

```

### 13.48 “Esperant” language: esperant.mld



The titles for the “esperant” (espéranto) language are taken from the `esperanto.dtx` file (by Marti RUIZ-ALTABA and Jörg KNAPPEN) in the `babel` package [60, 61, 94]. The esperanto artificial language was created in the 1877–1885 years by Doctor Ludwig Lejzer ZAMENHOF<sup>20</sup> (1859–1917) of Warsaw, Poland.

```

8479 < *esperant>
8480 \ProvidesFile{esperant.mld}[2006/12/19]%
8481 %% Esperanto titles from esperanto.dtx (babel) Ruiz-Altaba, Marti & Knappen, Jörg
8482 \def\ptctitle{Enhavo}%
8483 \def\plftitle{Listo de figuroj}%
8484 \def\pltttitle{Listo de tabeloj}%
8485 \def\mtctitle{Enhavo}%
8486 \def\mlftitle{Listo de figuroj}%
8487 \def\mltttitle{Listo de tabeloj}%
8488 \def\stctitle{Enhavo}%
8489 \def\slftitle{Listo de figuroj}%
8490 \def\slttitle{Listo de tabeloj}%
8491 </esperant>

```

<sup>20</sup>See [http://en.wikipedia.org/wiki/L.L.\\_Zamenhof](http://en.wikipedia.org/wiki/L.L._Zamenhof), <http://uea.org/> and <http://www.esperanto-france.org/> for more information; his first names are sometimes spelled “Ludvic Lazarus” or “Louis-Lazare”, with small variations.

### 13.49 “Esperanto” language: esperanto.mld

`\mtcselectlanguage` The “esperanto” and “esperant” languages are synonyms, so we just load the esperant.mld file (see section 13.48 on the page before):

```
8492 (*esperanto)
8493 \ProvidesFile{esperanto.mld}[2004/12/14]\mtcselectlanguage{esperant}%
8494 (</esperanto)
```

### 13.50 “Estonian” language: estonian.mld



Figure 13.54: Estonia (<http://www.estonica.org/eng/maps/index-eng.html>, under the Creative Commons License, see [http://creativecommons.org/licenses/by-nc-sa/1.0/deed.en\\_GB](http://creativecommons.org/licenses/by-nc-sa/1.0/deed.en_GB))



The titles for the “estonian” language<sup>21</sup> are taken from the estonian.dtx file (by Enn SAAR) in the babel package [60, 61, 95]:

```
8495 (*estonian)
8496 \ProvidesFile{estonian.mld}[2006/01/13]%
8497 %% Estonian titles from estonian.dtx (babel) Saar, Enn
8498 \def\ptctitle{Sisukord}%
8499 \def\plftitle{Joonised}%
8500 \def\pltttitle{Tabelid}%
8501 \def\mtctitle{Sisukord}%
8502 \def\mlftitle{Joonised}%
8503 \def\mltttitle{Tabelid}%
8504 \def\stctitle{Sisukord}%
8505 \def\slftitle{Joonised}%
8506 \def\sltttitle{Tabelid}%
8507 (</estonian)
```

<sup>21</sup>Estonian (*eesti keel*) is not a baltic language, but a language from the uralian family.

### 13.51 “Ethiopia” language: ethiopia.mld

`\eth@doaltchar`

የኢትዮጵያ



The titles for the “ethiopia” language (amharic, *āmariīīā*) are taken from the ethiop package [44] (written by Berhanu BEYENE, Manfred KUDLEK, Olaf KUMMER, and Jochen METZINGER). Specific fonts are needed. See also section 13.53. See figure 13.55 on the next page for the repartition of the various ethiopian dialects.

```
8508 (*ethiopia)
8509 \ProvidesFile{ethiopia.mld}[1999/03/16]%
8510 % Ethiopian titles. Needs special fonts.
8511 \def\ptctitle{yezate}%
8512 \def\plftitle{%
8513   ya\eth@doaltchar{85}'elo\eth@doaltchar{109} mAwe\eth@doaltchar{187}}%
8514 \def\plttitle{%
8515   yasane\eth@doaltchar{176}ra\eth@doaltchar{149} mAwe\eth@doaltchar{187}}%
8516 \def\mtctitle{yezate}%
8517 \def\mlftitle{%
8518   ya\eth@doaltchar{85}'elo\eth@doaltchar{109} mAwe\eth@doaltchar{187}}%
8519 \def\mlttitle{%
8520   yasane\eth@doaltchar{176}ra\eth@doaltchar{149} mAwe\eth@doaltchar{187}}%
8521 \def\stctitle{yezate}%
8522 \def\slftitle{%
8523   ya\eth@doaltchar{85}'elo\eth@doaltchar{109} mAwe\eth@doaltchar{187}}%
8524 \def\slttitle{%
8525   yasane\eth@doaltchar{176}ra\eth@doaltchar{149} mAwe\eth@doaltchar{187}}%
8526 \ethiopia)
```

### 13.52 “Ethiopian” language: ethiopian.mld

`\mtcselectlanguage`

The “ethiopian” language is just a synonym for the “ethiopia” language, so we just load the ethiopia.mld file (see section 13.51).

```
8527 (*ethiopian)
8528 \ProvidesFile{ethiopian.mld}[2004/12/14]\mtcselectlanguage{ethiopia}%
8529 \ethiopia)
```

### 13.53 “Ethiopian2” language: ethiopian2.mld

The titles for the “ethiopian2” language (for Omega) are taken from the ethiop package [44] (by Berhanu BEYENE, Manfred KUDLEK, Olaf KUMMER, and Jochen METZINGER). Specific fonts are needed. See also section 13.51.

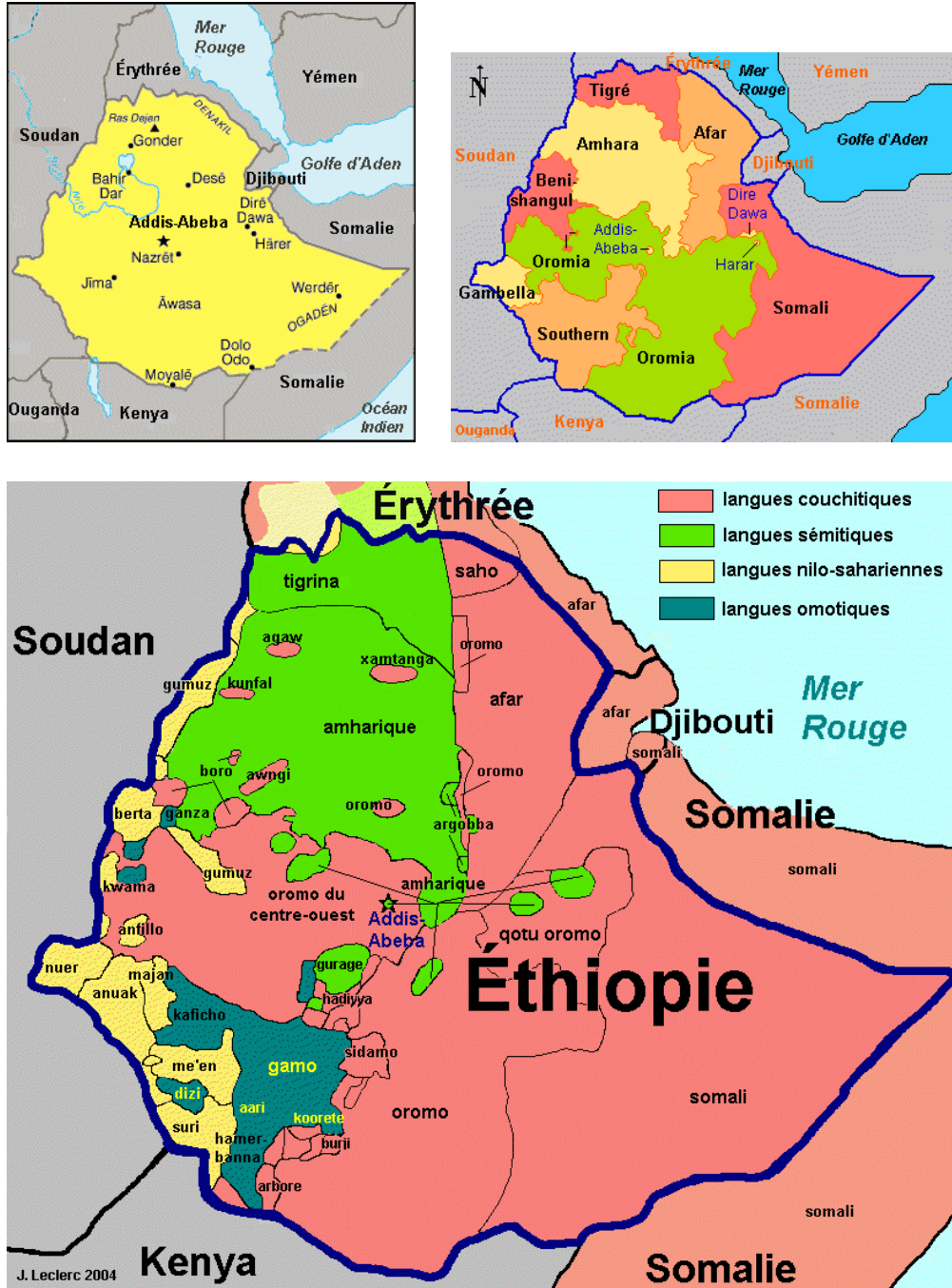


Figure 13.55: Ethiopian languages areas (<http://www.tfq.ulaval.ca/axl/afrique/ethiopie-prov.htm> and <http://www.tfq.ulaval.ca/axl/afrique/ethiopie.htm> in [294]; see also [http://en.wikipedia.org/wiki/Geography\\_of\\_Ethiopia](http://en.wikipedia.org/wiki/Geography_of_Ethiopia))

```

8530 (*ethiopian2)
8531 \ProvidesFile{ethiopian2.mld}[2006/01/30]%
8532 %% Ethopian titles with Omega. Needs special fonts
8533 \def\ptctitle{^12ed^12d8^1275}%
8534 \def\plftitle{^12e8^1225^12d5^120e^127d ^121b^12cd^132b}%
8535 \def\plttitle{^12e8^1230^1295^1320^1228^12e5
8536 ^121b^12cd^132b}%
8537 \def\mtctitle{^12ed^12d8^1275}%
8538 \def\mlftitle{^12e8^1225^12d5^120e^127d ^121b^12cd^132b}%
8539 \def\mlttitle{^12e8^1230^1295^1320^1228^12e5
8540 ^121b^12cd^132b}%
8541 \def\stctitle{^12ed^12d8^1275}%
8542 \def\slftitle{^12e8^1225^12d5^120e^127d ^121b^12cd^132b}%
8543 \def\slttitle{^12e8^1230^1295^1320^1228^12e5
8544 ^121b^12cd^132b}%
8545 </ethiopian2)

```

### 13.54 “Farsi1” language: farsi1.ml[d|o]

`\mtcloadmlo` There are several variants for the farsi language, spoken in Iran and Afghanistan (see figure 13.56 on the following page). The “farsi1” language uses titles taken from the `farsi.sty` file in the FarsiTeX [162] system<sup>22</sup>, by Mohammad GHODSI, Behdad ESFAHBOD, Roozbeh POURNADER, Hassan ABOLHASSANI, and others. Special fonts are needed, of course. See also section 13.55. The titles for the “farsi1” language contain characters that cannot be easily generated, hence we load `farsi1.mlo`.



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```

8546 (*farsi1)
8547 \ProvidesFile{farsi1.mld}[2005/09/13]\mtcloadmlo{farsi1}%
8548 %% From farsi.sty of the FarsiTeX project by Dr Mohammad Ghodsi,
8549 %% Roozbeh Pournader (roozbeh@sharif.edu), Hassan Abolhassani, & others.
8550 %% http://www.farsitex.org
8551 </farsi1)

```

### 13.55 “Farsi2” language: farsi2.ml[d|o]

There are several variants for the farsi language, spoken in Iran and Afghanistan (see figure 13.56 on the following page). The “farsi2” language uses titles taken from the `farsi.sty` file in the FarsiTeX system [162]<sup>22</sup>, by Mohammad GHODSI, Roozbeh POURNADER, Behdad ESFAHBOD, Hassan ABOLHASSANI, and others. Special fonts are needed, of course. See also section 13.54.

<sup>22</sup>By Mohammad GHODSI (ghodsi@rose.ipm.ac.ir) and the FarsiTeX Project Group. See the FarsiTeX site at <http://www.farsitex.org>



Figure 13.56: Farsi language areas (<http://www.farsinet.com/farsi>; see also [http://www.farsinet.com/farsi/linguistic\\_composition\\_of\\_iran.html](http://www.farsinet.com/farsi/linguistic_composition_of_iran.html))

\mtcloadmlo The titles for the “farsi2” language contain characters that cannot be easily generated, hence we load farsi2.mlo.

```

8552 <farsi2>
8553 \ProvidesFile{farsi2.mld}[2005/09/13]\mtcloadmlo{farsi2}%
8554 % From farsi.sty (FarsiTeX project: http://www.farsitex.org). Dr Mohammad Ghodsi,
8555 % Roozbeh Pournader (roozbeh@sharif.edu), Hassan Abolhassani, & others.
8556 </farsi2>

```

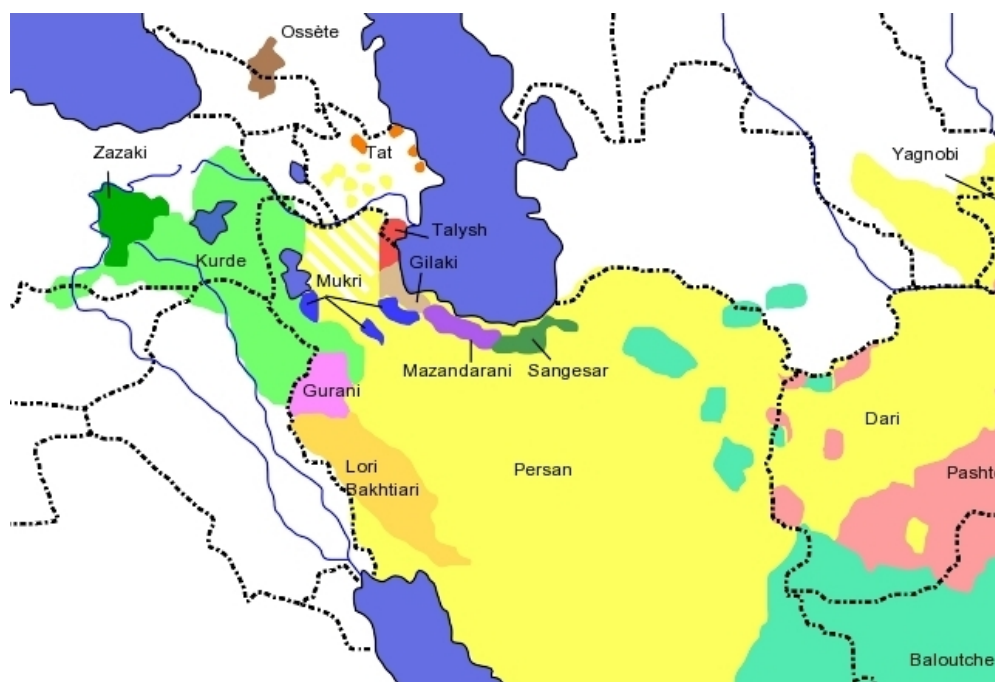


Figure 13.57: Iranian tongues (<http://fr.wikipedia.org/wiki/Persan>)

### 13.56 “Farsi3” language: farsi3.mld

\FR There are several variants for the farsi language, spoken in Iran and Afghanistan (see figure 13.56 on the preceding page). The “farsi3” language uses titles taken from the farsi.ldf file in the Arabi system[243], by Youssef JABRI. Special fonts are needed, of course.

```

8557 <{*farsi3}
8558 \ProvidesFile{farsi3.mld}[2006/07/27]%
8559 % From farsi.ldf of the Arabi system by Youssef Jabri.
8560 \def\ptctitle{\FR{\fa\ha\ra\seen\taa\space\meem\nun\dal\ra\jeem\alef\taa}}%
8561 \def\plftitle{\FR{\lam\ya\seen\taa\ \alef\sheen\kaf\alef\lam}}%
8562 \def\plttitle{\FR{\lam\ya\seen\taa\ \jeem\dal\alef\waw\lam}}%
8563 \def\mtctitle{\FR{\fa\ha\ra\seen\taa\space\meem\nun\dal\ra\jeem\alef\taa}}%
8564 \def\mlftitle{\FR{\lam\ya\seen\taa\ \alef\sheen\kaf\alef\lam}}%
8565 \def\mlttitle{\FR{\lam\ya\seen\taa\ \jeem\dal\alef\waw\lam}}%
8566 \def\stctitle{\FR{\fa\ha\ra\seen\taa\space\meem\nun\dal\ra\jeem\alef\taa}}%
8567 \def\slftitle{\FR{\lam\ya\seen\taa\ \alef\sheen\kaf\alef\lam}}%
8568 \def\slttitle{\FR{\lam\ya\seen\taa\ \jeem\dal\alef\waw\lam}}%
8569 </farsi3>

```



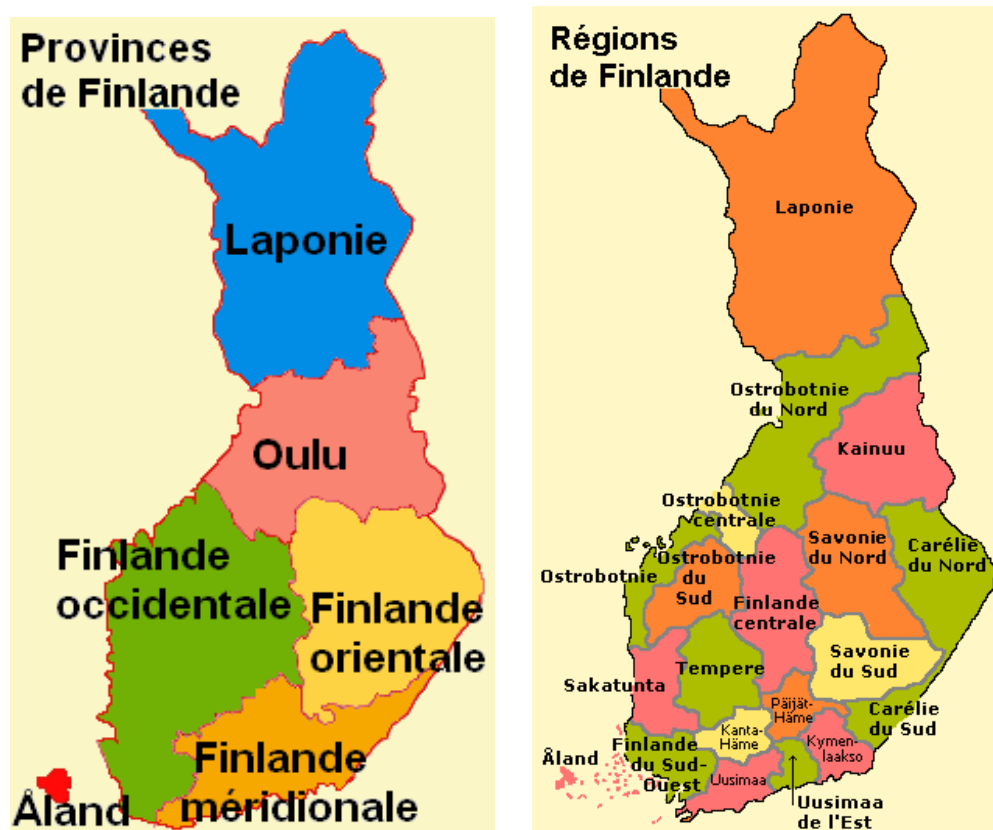


Figure 13.58: Finland ([http://www.tlfg.ulaval.ca/axl/europe/finlande\\_regions.htm](http://www.tlfg.ulaval.ca/axl/europe/finlande_regions.htm) in [294]; see also [http://en.wikipedia.org/wiki/Baltic-Finnic\\_languages](http://en.wikipedia.org/wiki/Baltic-Finnic_languages))

### 13.57 “Finnish” language: `finnish.mld`



The titles for the “finnish” language (*suomi*) are taken from the `finnish.dtx` file (by Mikko KANERVA and Keranen REINO) in the `babel` package [60, 61, 80]. See also section 13.58 on the next page.

```

8570 (*finnish)
8571 \ProvidesFile{finnish.mld}[2006/03/20]%
8572 %% Finnish titles from finnish.dtx (babel). Kanerva, Mikko & Reino, Keranen
8573 \def\ptctitle{Sis\alt{o}}%
8574 \def\plftitle{Kuvat}%
8575 \def\pltttitle{Taulukot}%
8576 \def\mtctitle{Sis\alt{o}}%
8577 \def\mlftitle{Kuvat}%
8578 \def\mltttitle{Taulukot}%
8579 \def\stctitle{Sis\alt{o}}%
8580 \def\slftitle{Kuvat}%
8581 \def\sltttitle{Taulukot}%
8582 /finnish)

```

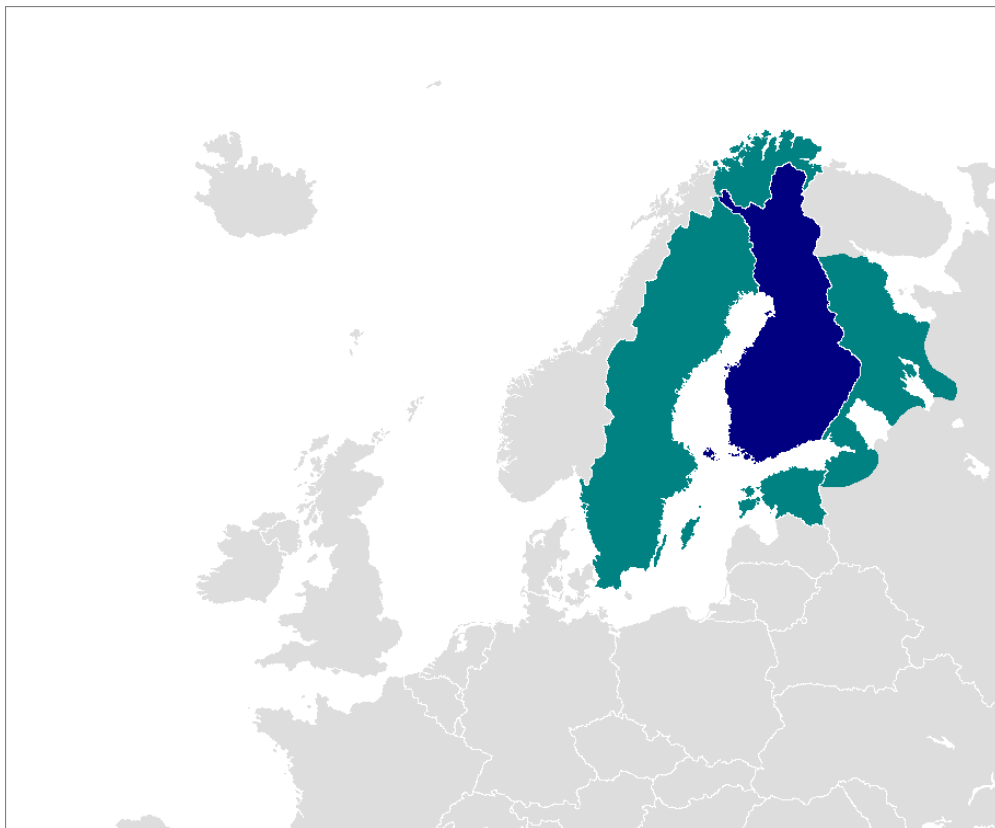


Figure 13.59: Areas of the Finnish language – blue: official language; dark green: spoken by a minority ([http://en.wikipedia.org/wiki/Finnish\\_language](http://en.wikipedia.org/wiki/Finnish_language))

### 13.58 “Finnish2” language: `finnish2.mld`

The titles for the “finnish2” language are taken from a variant proposed by the `finnish.dtx` file (by Mikko KANERVA and Keranen REINO) in the `babel` package [60, 61, 80]. See also section 13.57 on the preceding page.

```

8583 <{*finnish2}
8584 \ProvidesFile{finnish2.mld}[2006/01/13]%
8585 % Finnish titles (variant) from finnish.dtx (babel). Kanerva, Mikko & Reino, Keranen
8586 \def\ptctitle{Sis"allys}%
8587 \def\plftitle{Kuvat}%
8588 \def\plttitle{Taulukot}%
8589 \def\mtctitle{Sis"allys}%
8590 \def\mlftitle{Kuvat}%
8591 \def\mlttitle{Taulukot}%
8592 \def\stctitle{Sis"allys}%
8593 \def\slftitle{Kuvat}%
8594 \def\slttitle{Taulukot}%
8595 </finnish2>

```

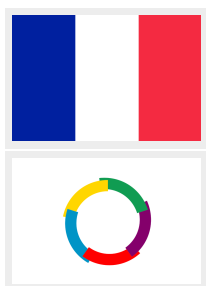


Figure 13.60: Finnish dialects ([http://en.wikipedia.org/wiki/Finnish\\_language](http://en.wikipedia.org/wiki/Finnish_language))

### 13.59 “Français” language: `francais.mld`

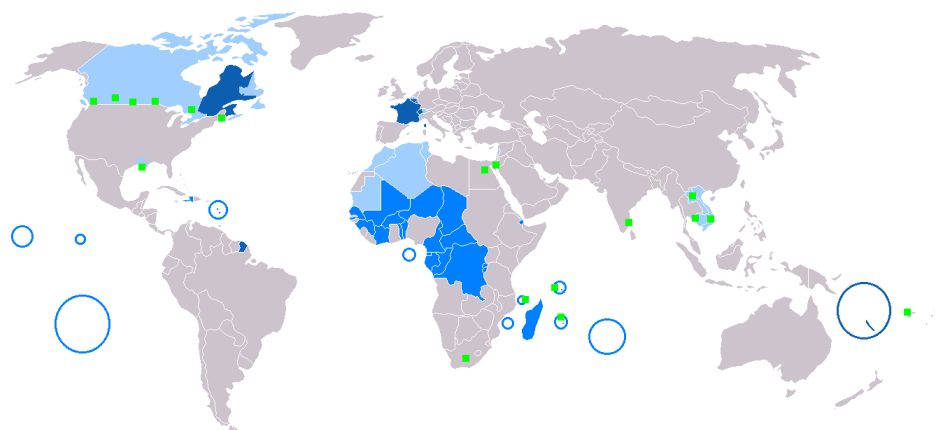
`\mtcselectlanguage` The “français” (*français*) language is a synonym for the “french” language, so we load the file `french.mld` (see section 13.60):

```
8596 (*français)
8597 \ProvidesFile{francais.mld}[2004/12/14]\mtcselectlanguage{french}%
8598 </français>
```



### 13.60 “French” language: `french.mld`

The titles for the “french” language are taken from the `frenchb.dtx` file (by Daniel FLIPO) in the `babel` package [60, 61, 75]. See also sections 13.2 to 13.3 on page 481, 13.34 on page 505, 13.59, and 13.63 to 13.65 on page 538.

Figure 13.61: Francophone areas ([http://en.wikipedia.org/wiki/French\\_language](http://en.wikipedia.org/wiki/French_language))

```

8599 (*french)
8600 \ProvidesFile{french.mld}[2006/03/21]%
8601 %% French titles from frenchb.dtx (babel). Flipo, Daniel
8602 \def\ptctitle{Table des mati`eres}%
8603 \def\plftitle{Liste des figures}%
8604 \def\pltttitle{Liste des tableaux}%
8605 %%
8606 \def\mtctitle{Sommaire}%
8607 \def\mlftitle{Figures}%
8608 \def\mltttitle{Tableaux}%
8609 \def\stctitle{Sommaire}%
8610 \def\slftitle{Figures}%
8611 \def\sltttitle{Tableaux}%
8612 </french>

```

### 13.61 “French1” language: french1.mld

`\ifnum` The titles for the “french1” language are taken from the `frenchb.dtx` (by Daniel FLIPO) file  
`\value` in the `babel` package [60, 61, 75], with some adaptations for the part-level titles.  
`\Roman`

```

8613 (*french1)
8614 \ProvidesFile{french1.mld}[2006/03/29]%
8615 %% French titles from frenchb.dtx (babel). Flipo, Daniel
8616 %% ptctitle, plftitle and pltttitle modified (JPF)
8617 \def\ptctitle{\ifnum\value{part}=1\relax
8618 Sommaire de la premi`ere partie\relax
8619 \else Sommaire de la partie~\Roman{part}\fi}%
8620 \def\plftitle{\ifnum\value{part}=1\relax
8621 Liste des figures de la premi`ere partie\relax
8622 \else Liste des figures de la partie~\Roman{part}\fi}%
8623 \def\pltttitle{\ifnum\value{part}=1\relax

```

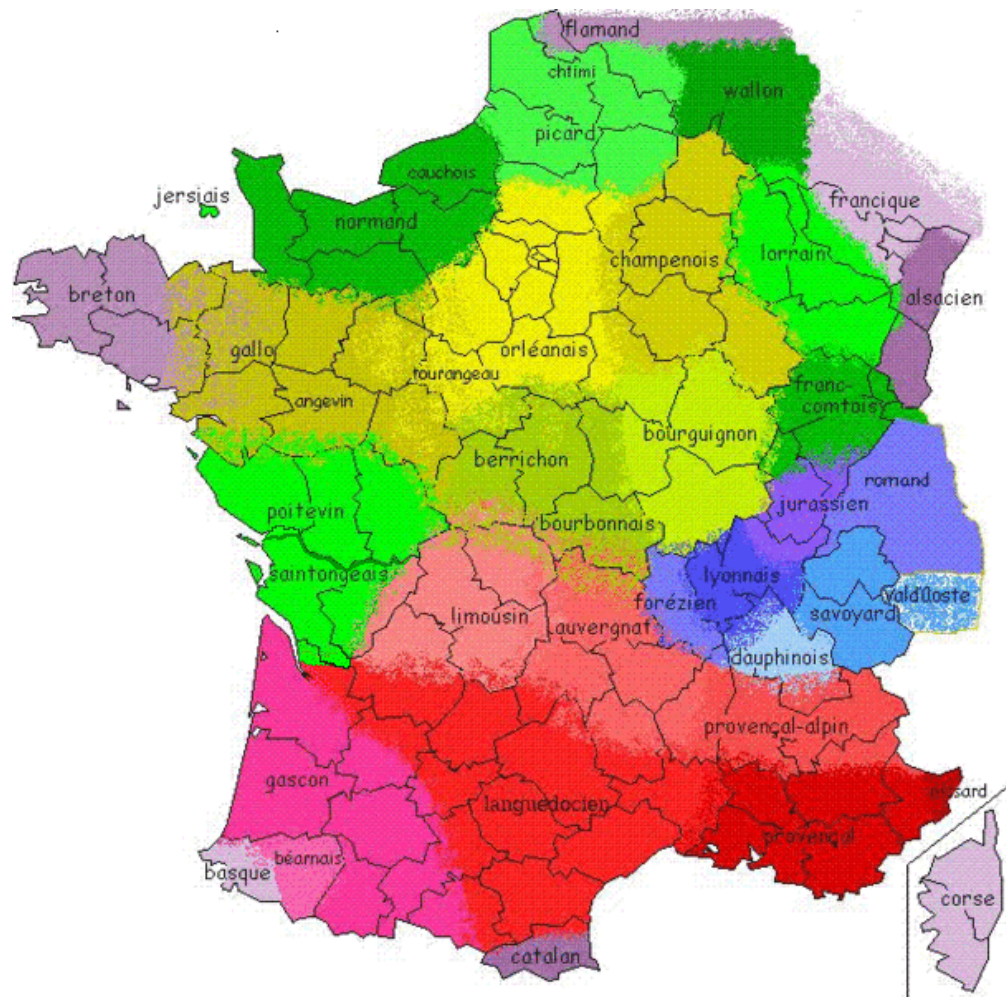


Figure 13.62: Regional dialects in France ([http://fr.wikipedia.org/wiki/Langues\\_régionales\\_de\\_France](http://fr.wikipedia.org/wiki/Langues_régionales_de_France))

```

8624 Liste des tableaux de la premi\`ere partie\relax
8625 \else Liste des tableaux de la partie~\Roman{part}\fi%
8626 %%
8627 \def\mtctitle{Sommaire}%
8628 \def\mlftitle{Figures}%
8629 \def\mltttitle{Tableaux}%
8630 \def\stctitle{Sommaire}%
8631 \def\slftitle{Figures}%
8632 \def\sltttitle{Tableaux}%
8633 </french1>

```



(a) Associated member.

(o) Observer.

(v) Vatican uses french as its official diplomatic language.

Figure 13.63: Francophone countries in Europe (<http://en.wikipedia.org/wiki/CPLP>)

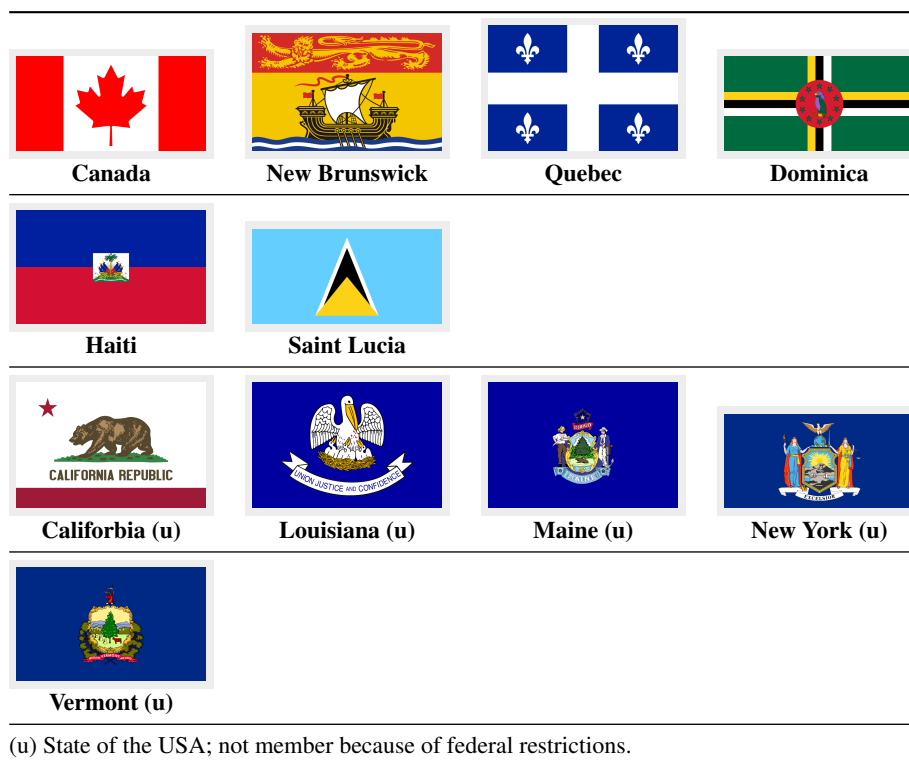


Figure 13.64: Francophone countries in Americas and the Caribbean (<http://en.wikipedia.org/wiki/CPLP>)

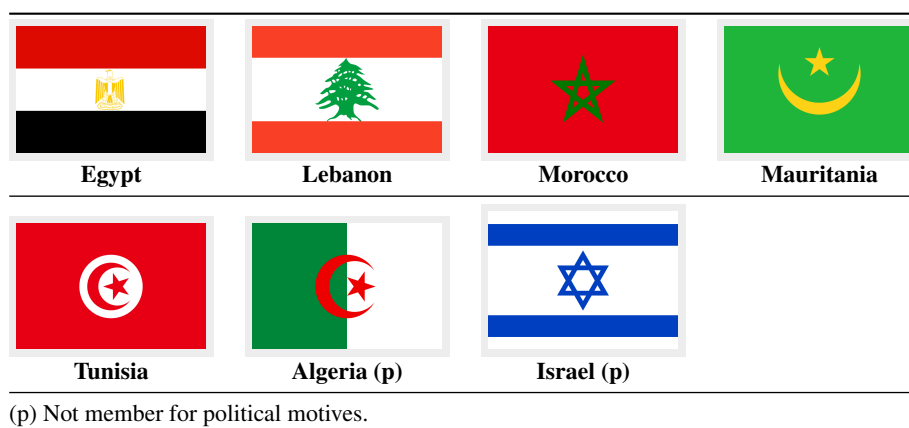
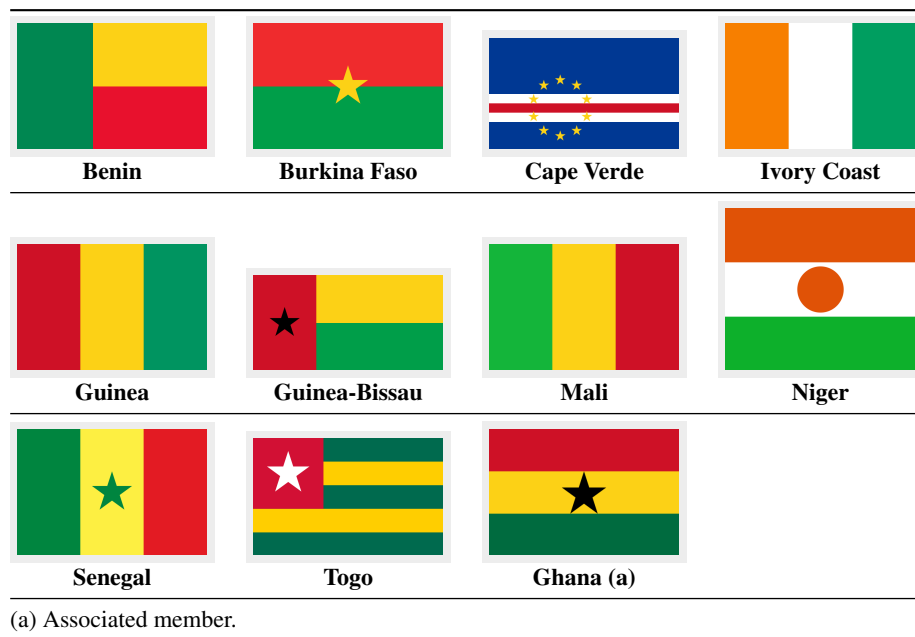
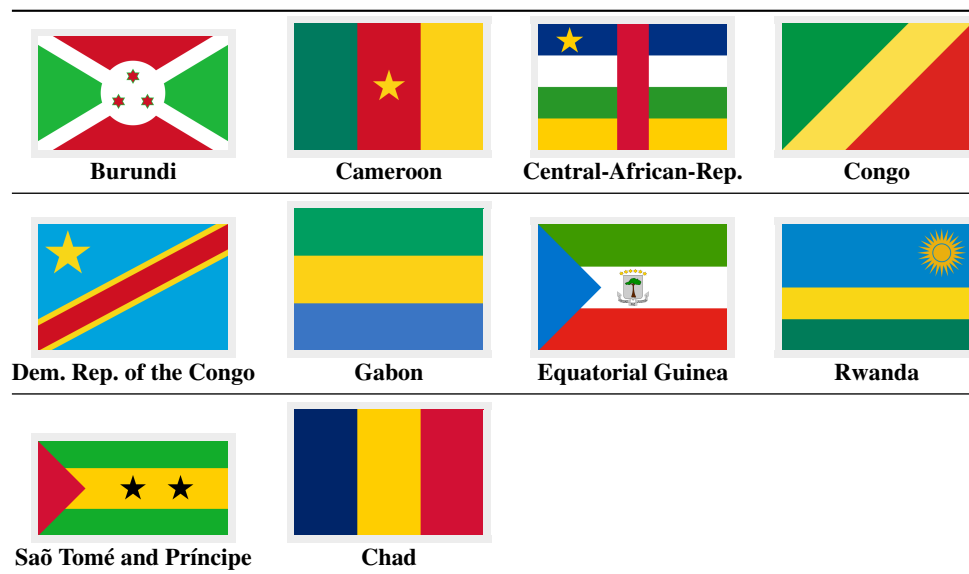


Figure 13.65: Francophone countries in North Africa and Middle East (<http://en.wikipedia.org/wiki/CPLP>)

Figure 13.66: Francophone countries in West Africa (<http://en.wikipedia.org/wiki/CPLP>)Figure 13.67: Francophone countries in Central Africa (<http://en.wikipedia.org/wiki/CPLP>)

## 13.62 “French2” language: french2.mld

`\mtcFrenchIIpart` The titles for the “french2” language are taken from the `frenchb.dtx` file (by Daniel Flipo) in the `babel` package [60, 61, 75], with some adaptations for the part-level titles<sup>23</sup>. See also

`\ifnum`  
`\value`  
`\Roman`

<sup>23</sup>This is an example of a .mld file needing some support from code in the `minitoc` package.



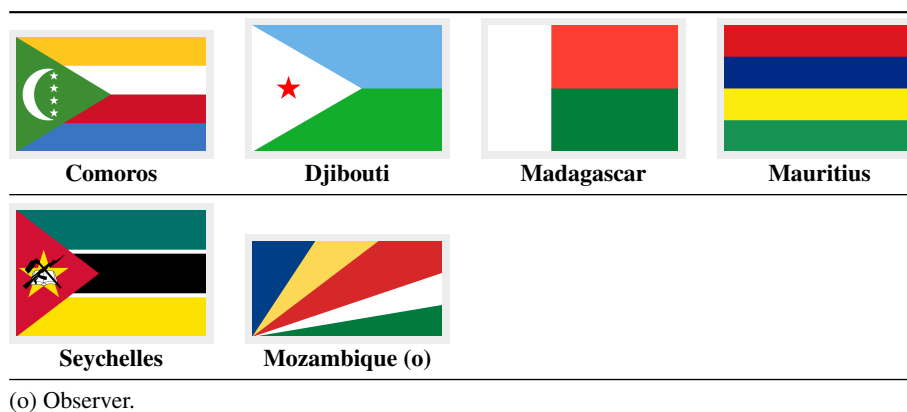


Figure 13.68: Francophone countries in East Africa and Indian Ocean (<http://en.wikipedia.org/wiki/CPLP>)

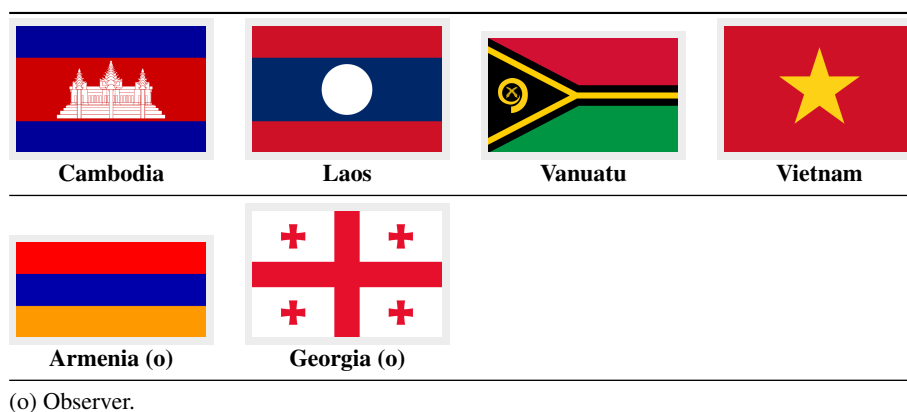


Figure 13.69: Francophone countries in Asia and Pacific Ocean (<http://en.wikipedia.org/wiki/CPLP>)

section 9.5.8 on page 277, for the subtle distinction between “deuxième” and “seconde”. See the `mtc-2nd.tex` example file in section 4.2 on page 95.

```

8634 {*french2}
8635 \ProvidesFile{french2.mld}[2006/07/07]%
8636 %% French titles from frenchb.dtx (babel). Flipo, Daniel
8637 %% ptctitle, plftitle and pltttitle modified (JPDF)
8638 \def\mtcFrenchIIpart{\ifcase\value{part}%
8639 \or premi\`ere partie\or
8640 {\ifmtcsecondpart seconde\else deuxi\`eme\fi} partie\or
8641 troisi\`eme partie\or quatri\`eme partie\or cinqui\`eme partie\or
8642 sixi\`eme partie\or septi\`eme partie\or huiti\`eme partie\or
8643 neuvi\`eme partie\or dixi\`eme partie\or onzi\`eme partie\or
8644 douzi\`eme partie\or treizi\`eme partie\or quatorzi\`eme partie\or
8645 quinzi\`eme partie\or seizi\`eme partie\or dix-septi\`eme partie\or
8646 dix-huiti\`eme partie\or dix-neuvi\`eme partie\or
8647 vingti\`eme partie\else partie~\Roman{part}\fi}%

```

```

8648 \def\ptctitle{\ifnum\value{part}<1\relax
8649 Sommaire \else Sommaire de la \mtcFrenchIpart\fi}%
8650 \def\plftitle{\ifnum\value{part}<1\relax
8651 Liste des figures\else
8652 Liste des figures de la \mtcFrenchIpart\fi}%
8653 \def\pltttitle{\ifnum\value{part}<1\relax
8654 Liste des tableaux\else
8655 Liste des tableaux de la \mtcFrenchIpart}%
8656 %%
8657 \def\mtctitle{Sommaire}%
8658 \def\mlftitle{Figures}%
8659 \def\mltttitle{Tableaux}%
8660 \def\stctitle{Sommaire}%
8661 \def\slftitle{Figures}%
8662 \def\sltttitle{Tableaux}%
8663 \</french2>

```

### 13.63 “Frenchb” language: frenchb.mld

`\mtcselectlanguage` The “frenchb” language is a synonym for the “french” language, so we load the french.mld file. See section 13.60 on page 531.

```

8664 \<frenchb>
8665 \ProvidesFile{frenchb.mld}[2003/02/11]\mtcselectlanguage{french}%
8666 \</frenchb>

```

### 13.64 “Frenchle” language: frenchle.mld

`\mtcselectlanguage` The “frenchle” language is a synonym for the “french” language, so we load the french.mld file. See section 13.60 on page 531. See also [179].

```

8667 \<frenchle>
8668 \ProvidesFile{frenchle.mld}[2003/02/20]\mtcselectlanguage{french}%
8669 \</frenchle>

```

### 13.65 “Frenchpro” language: frenchpro.mld

`\mtcselectlanguage` The “frenchpro” language is a synonym for the “french” language, so we load the french.mld file. See section 13.60 on page 531. See also [180, 181].

```

8670 (*frenchpro)
8671 \ProvidesFile{frenchpro.mld}[2003/02/20]\mtcselectlanguage{french}%
8672 </frenchpro)

```

### 13.66 “Galician” language: galician.mld

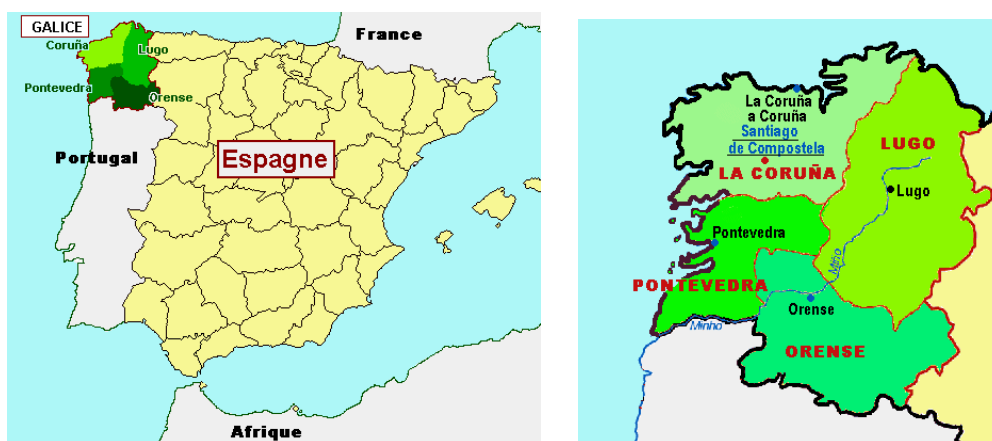


Figure 13.70: Galician language areas ([http://www.tfq.ulaval.ca/axl/europe/espagnegalice\\_carte.htm](http://www.tfq.ulaval.ca/axl/europe/espagnegalice_carte.htm) in [294])



The titles for the “galician” language (*galego*)<sup>24</sup> are taken from the galician.dtx file, (by Manuel CARRIBA and JAVIER A. MÚGICA DE RIVERA) derived from the spanish.dtx file (by JAVIER BEZOS) in the babel package [60, 61, 70, 71]:

```

8673 (*galician)
8674 \ProvidesFile{galician.mld}[2007/12/18]%
8675 %% Galician titles from galician.dtx (babel).
8676 %% Carriba, Manuel (mcarriba@eunetcom.net)
8677 %% Javier A. Múgica de Rivera (jmugica@digi21.net)
8678 \expandafter\ifx\curname chapter\endcsname\relax
8679 \def\ptctitle{\'Indice}\else \def\ptctitle{\'Indice xeral}\fi%
8680 \def\plftitle{\'Indice de figuras}%
8681 \def\pltttitle{\'Indice de t\'aboas}%
8682 \expandafter\ifx\curname chapter\endcsname\relax
8683 \def\mtctitle{\'Indice}\else \def\mtctitle{\'Indice xeral}\fi%
8684 \def\mlftitle{\'Indice de figuras}%
8685 \def\mltttitle{\'Indice de t\'aboas}%
8686 \expandafter\ifx\curname chapter\endcsname\relax
8687 \def\stctitle{\'Indice}\else \def\stctitle{\'Indice xeral}\fi%
8688 \def\slftitle{\'Indice de figuras}%
8689 \def\sltttitle{\'Indice de t\'aboas}%
8690 </galician)

```

<sup>24</sup>Spoken in Galice, in the north-west part of Spain, around Santiago de Compostela; see figure 13.70.

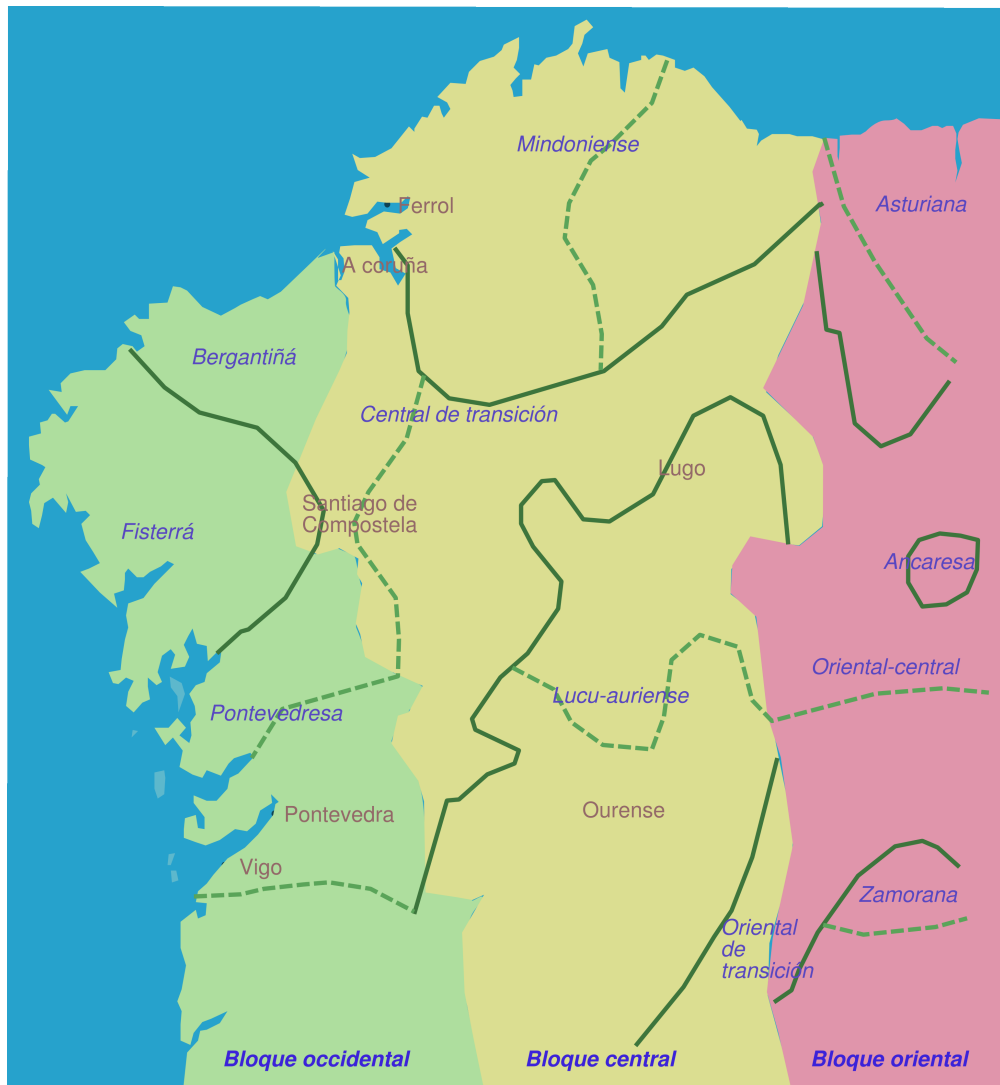


Figure 13.71: Linguistic map of Galician ([http://en.wikipedia.org/wiki/Galicia\\_\(Spain\)](http://en.wikipedia.org/wiki/Galicia_(Spain)); see also <http://www.tfq.ulaval.ca/axl/europe/espagnegalice.htm> in [294])

### 13.67 “German” language: `german.mld`



The titles for the “german” language (*deutsch*) are taken from the babel package [60, 61]. See also the section 13.14 on page 491.

```

8691 (*german)
8692 \ProvidesFile{german.mld}[1999/03/16]%
8693 %% German titles
8694 \def\ptctitle{Inhaltsangabe}%
8695 \def\plftitle{Figuren}%

```



Figure 13.72: Germanophone areas in Europa (<http://www.tfq.ulaval.ca/axl/europe/allemand-aire-Ing.htm> in [294]; see also [http://www.tfq.ulaval.ca/axl/europe/Allemagne\\_dialectes.htm](http://www.tfq.ulaval.ca/axl/europe/Allemagne_dialectes.htm) in [294])

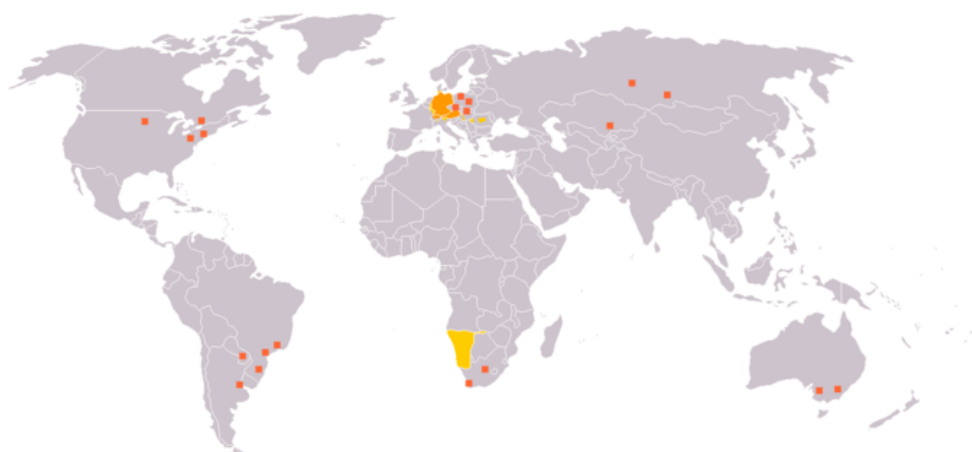


Figure 13.73: Germanophone areas ([http://de.wikipedia.org/wiki/Deutsche\\_Sprache](http://de.wikipedia.org/wiki/Deutsche_Sprache))

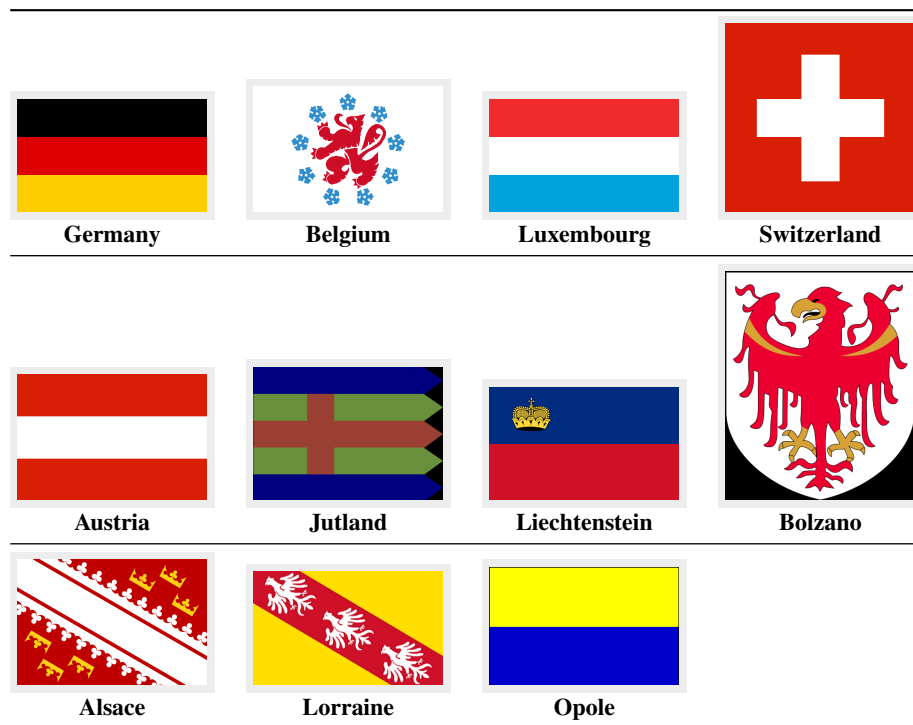


Figure 13.74: Germanophone countries and regions ([http://en.wikipedia.org/wiki/German\\_Language](http://en.wikipedia.org/wiki/German_Language))

```

8696 \def\pltttitle{Tabellen}%
8697 \def\mtcttitle{Inhaltsangabe}%
8698 \def\mlfttitle{Figuren}%
8699 \def\mltttitle{Tabellen}%
8700 \def\stcttitle{Inhaltsangabe}%
8701 \def\slfttitle{Figuren}%
8702 \def\sltttitle{Tabellen}%
8703 </german>

```

## 13.68 “Germanb” language: `germanb.mld`

The “germanb” language is a variant for the “german” language. The titles come from `germanb.dtx` (by Johannes L. BRAAMS and Bernd RAICHLE) in the `babel` package [60, 61, 90]:

```

8704 <{*germanb}>
8705 \ProvidesFile{germanb.mld}[2006/01/13]%
8706 %% German titles (variant) from germanb.dtx (babel). Braams, Johannes~L. & Raichle, Bernd
8707 \def\ptcttitle{Inhaltsverzeichnis}%
8708 \def\plfttitle{Abbildungsverzeichnis}%
8709 \def\pltttitle{Tabellenverzeichnis}%
8710 \def\mtcttitle{Inhaltsverzeichnis}%

```

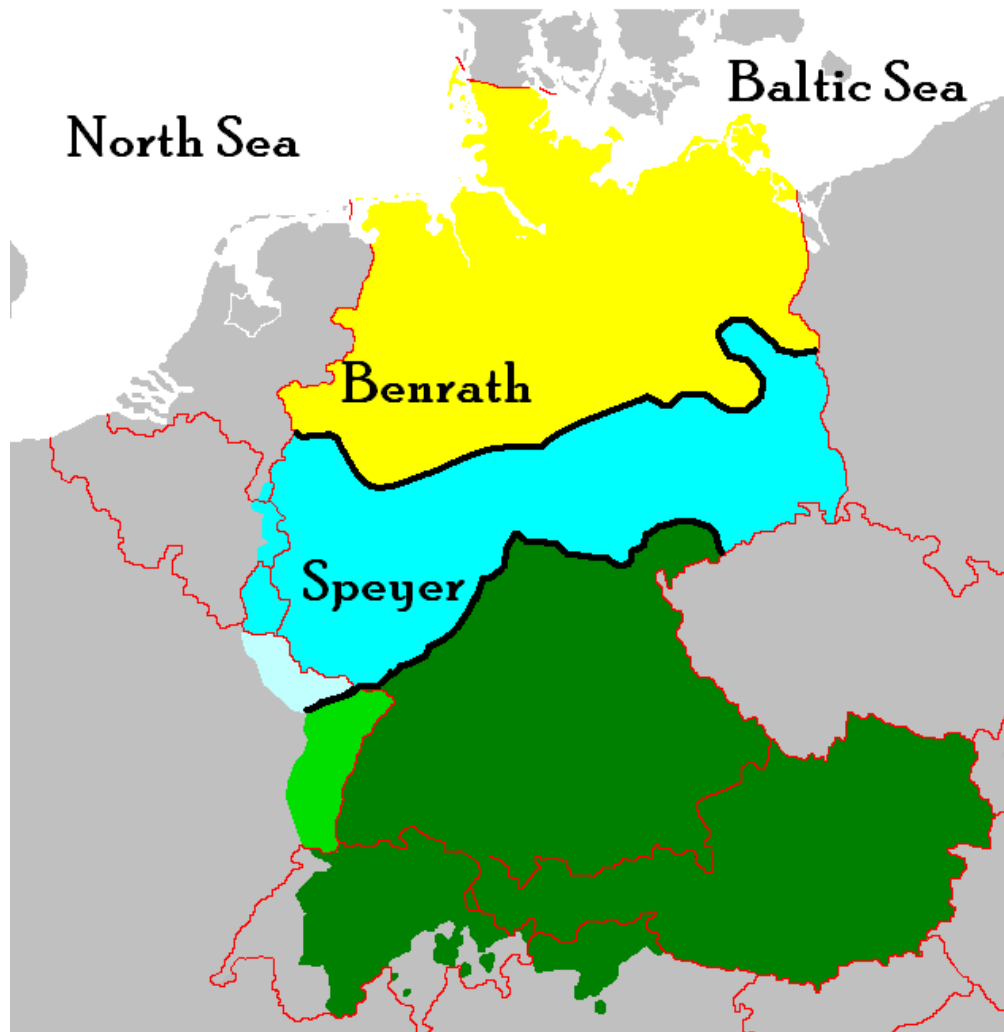


Figure 13.75: German dialects ([http://en.wikipedia.org/wiki/German\\_language](http://en.wikipedia.org/wiki/German_language))

By the High German consonant shift, the map of German dialects is divided into Upper German (green), Central German (blue), and Low German (yellow). The main isoglosses and the Benrath and Speyer lines are black.

```

8711 \def\mlftitle{Abbildungsverzeichnis}%
8712 \def\mltttitle{Tabellenverzeichnis}%
8713 %%
8714 \def\stctitle{Inhalt}%
8715 \def\slftitle{Abbildungen}%
8716 \def\sltttitle{Tabellen}%
8717 </germanb>

```

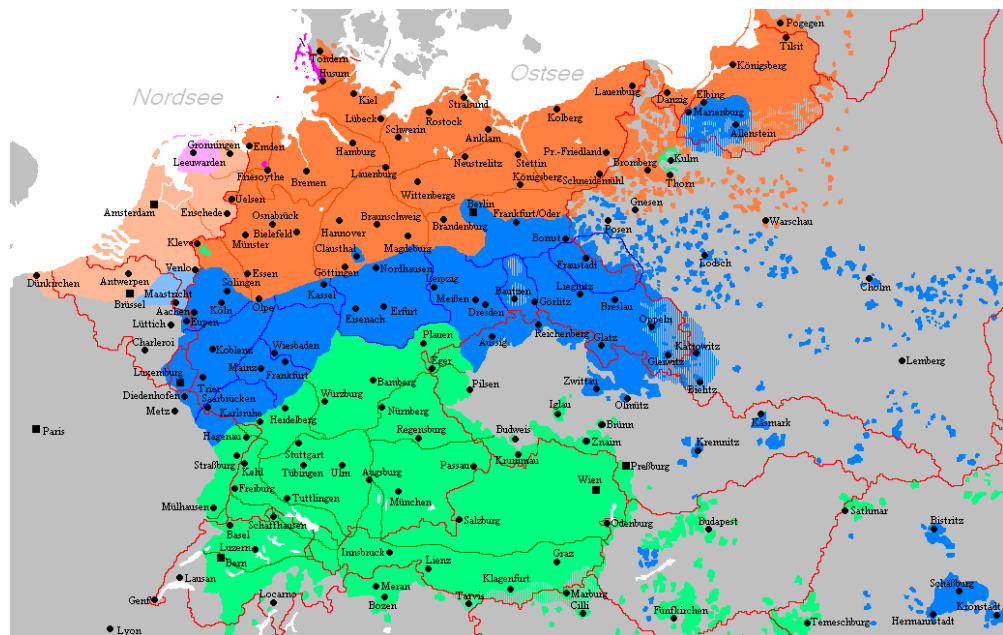


Figure 13.76: The spread of the German language until ca. 1945 in Central Europe ([http://en.wikipedia.org/wiki/German\\_language](http://en.wikipedia.org/wiki/German_language))

Orange marks Lower German, blue Middle German and green Upper German dialects.

### 13.69 “Germanb2” language: `germanb2.mld`

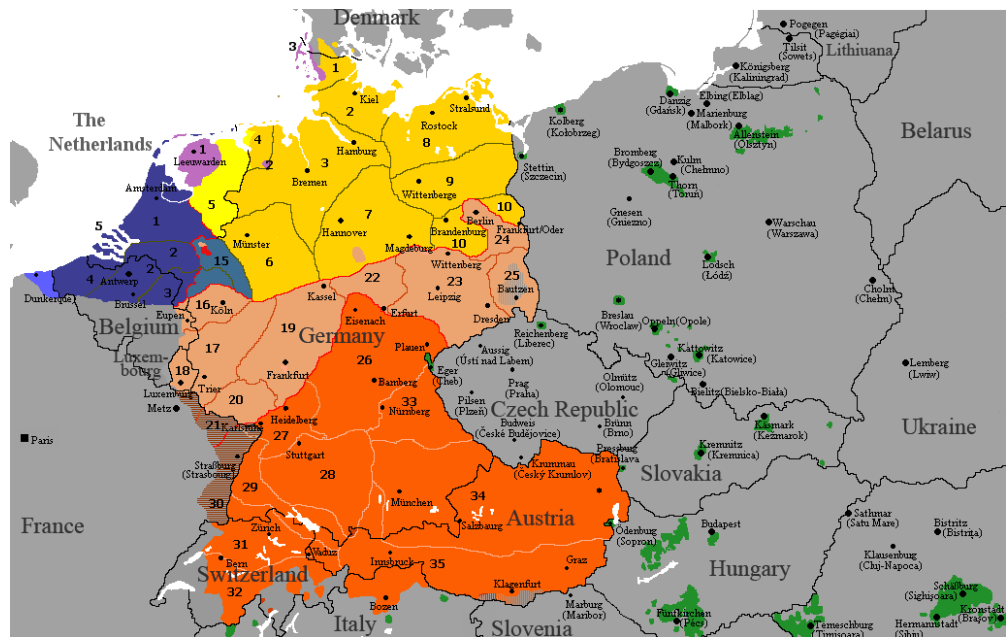
The “`germanb2`” language is a variant for the “`german`” language, with short titles. See also section 13.68 on page 542. The titles are taken from the file `germanb.dtx` (by Johannes L. BRAAMS and Bernd RAICHLÉ) in the `babel` package [60, 61]:

```

8718 (*germanb2)
8719 \ProvidesFile{germanb2.mld}[2007/12/18]%
8720 %% German titles (variant)
8721 \def\ptctitle{Inhalt}%
8722 \def\plftitle{Abbildungen}%
8723 \def\pltttitle{Tabellen}%
8724 \def\mtctitle{Inhalt}%
8725 \def\mlftitle{Abbildungen}%
8726 \def\mltttitle{Tabellen}%
8727 \def\stctitle{Inhalt}%
8728 \def\slftitle{Abbildungen}%
8729 \def\sltttitle{Tabellen}%
8730 </germanb2>

```





Although the Alsatian German dialect has seen a strong decline since the Second World War, a reasonable amount of people still claim to speak the dialect. Generally some 45% of the population claims to speak it.

Region where German has no official status, and/or is spoken by a very small minority.

Area in which Dutch is spoken. Like German dialects in France, the Dutch dialects also suffered reasonably if one compares the modern situation to the 17th century, when the area was nearly completely Dutch-speaking.

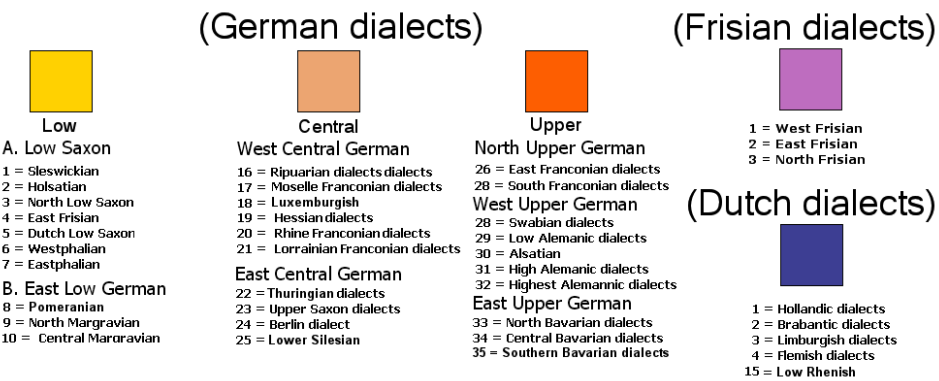


Figure 13.77: Distribution of the major West-Germanic dialectal varieties ([http://en.wikipedia.org/wiki/German\\_language](http://en.wikipedia.org/wiki/German_language))

### 13.70 “Greek” language: greek.mld

Ελληνικό αλφάβητο



The titles for the “greek” language (modern greek, *νέα ελληνικά*) are taken from the greek.dtx file (by Apostolos SYROPOULOS) in the babel package [60, 61, 98, 427]. Greek fonts are required.

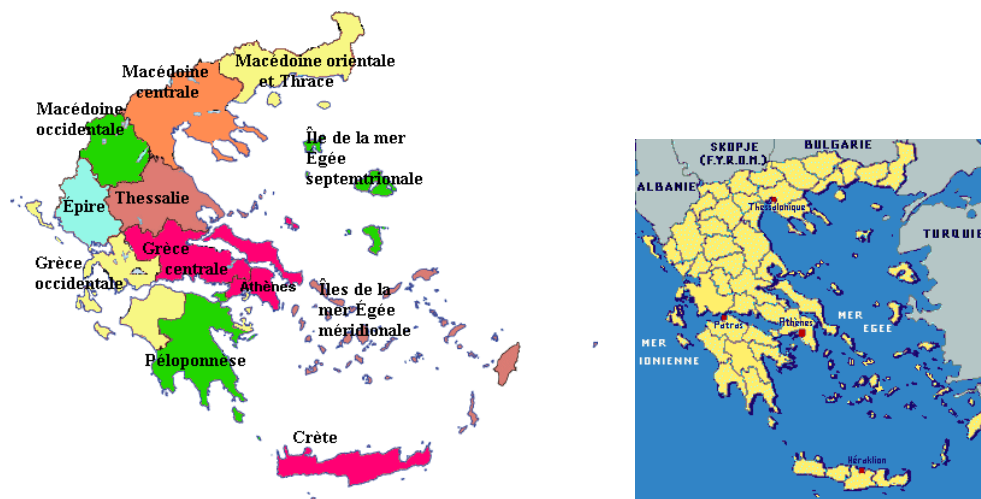


Figure 13.78: Greece (<http://www.tfq.ulaval.ca/axl/europe/grece-admin-map.htm> and <http://www.tfq.ulaval.ca/axl/europe/grece.htm> in [294])

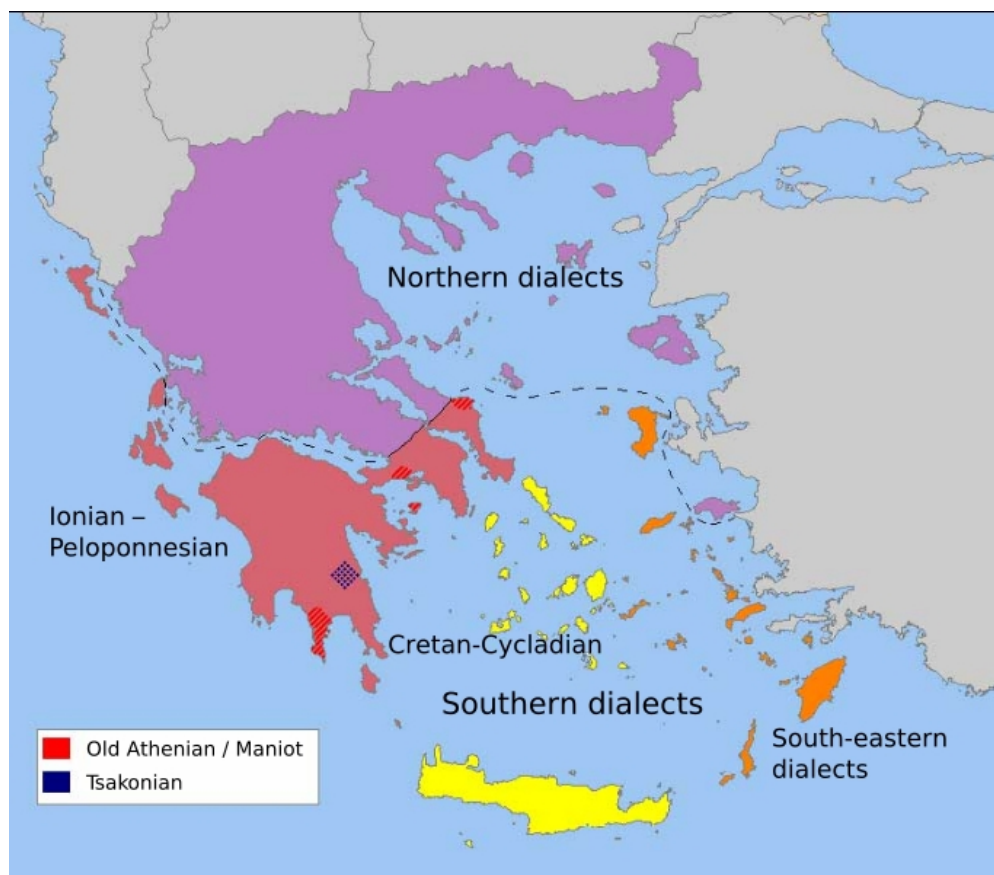


Figure 13.79: Dialects of modern Greek ([http://en.wikipedia.org/wiki/Modern\\_Greek](http://en.wikipedia.org/wiki/Modern_Greek))

```

8731 (*greek)
8732 \ProvidesFile{greek.mld}[2007/12/18]%
8733 %% Greek titles from greek.dtx (babel) by Syropoulos, Apostolos. Needs greek fonts.
8734 \def\ptctitle{Perieq'omena}%
8735 \def\plftitle{Kat'alogos Sqhm'atwn}%
8736 \def\pltttitle{Kat'alogos Pin'akwn}%
8737 \def\mtctitle{Perieq'omena}%
8738 \def\mlftitle{Kat'alogos Sqhm'atwn}%
8739 \def\mltttitle{Kat'alogos Pin'akwn}%
8740 \def\stctitle{Perieq'omena}%
8741 \def\slftitle{Kat'alogos Sqhm'atwn}%
8742 \def\sltttitle{Kat'alogos Pin'akwn}%
8743 </greek>

```

### 13.71 “Greek-mono” language: greek-mono.mld

`\localgreek` The titles for the “greek-mono” language<sup>25</sup> are taken from the `omega-greek.ldf` file (by Alexej M. Kryukov and Dmitry Ivanov) in the Antomega project [272]:

```

8744 (*greek – mono)
8745 \ProvidesFile{greek-mono.mld}[2005/02/08]%
8746 %% from omega-greek.ldf (Antomega project). Needs Omega.
8747 %% Alexej M. Kryukov & Dmitry Ivanov
8748 \def\ptctitle{\localgreek%
8749 {^03a0^03b5^03c1^03b9^03b5^03c7^03cc^03bc%
8750 ^03b5^03bd^03b1}}%
8751 \def\plftitle{\localgreek%
8752 {^039a^03b1^03c4^03ac^03bb^03bf^03b3^03bf%
8753 ^03c2 ^03c3^03c7^03b7^03bc^03ac^03c4^03c9%
8754 ^03bd}}%
8755 \def\plftitle{\localgreek%
8756 {^039a^03b1^03c4^03ac^03bb^03bf^03b3^03bf%
8757 ^03c2 ^03c0^03b9^03bd^03ac^03ba^03c9^03bd}}%
8758 \def\mtctitle{\localgreek%
8759 {^03a0^03b5^03c1^03b9^03b5^03c7^03cc^03bc%
8760 ^03b5^03bd^03b1}}%
8761 \def\mlftitle{\localgreek%
8762 {^039a^03b1^03c4^03ac^03bb^03bf^03b3^03bf%
8763 ^03c2 ^03c3^03c7^03b7^03bc^03ac^03c4^03c9%
8764 ^03bd}}%
8765 \def\mlftitle{\localgreek%
8766 {^039a^03b1^03c4^03ac^03bb^03bf^03b3^03bf%
8767 ^03c2 ^03c0^03b9^03bd^03ac^03ba^03c9^03bd}}%
8768 \def\stctitle{\localgreek%
8769 {^03a0^03b5^03c1^03b9^03b5^03c7^03cc^03bc%
8770 ^03b5^03bd^03b1}}%
8771 \def\slftitle{\localgreek%
8772 {^039a^03b1^03c4^03ac^03bb^03bf^03b3^03bf%

```

<sup>25</sup> Monotonic greek, from a recent (1982) but strongly contested – and contestable – reform of the greek language.

```

8773 ^^^^03c2 ^^^^03c3^^^^03c7^^^^03b7^^^^03bc^^^^03ac^^^^03c4^^^^03c9%
8774 ^^^^03bd}}}%
8775 \def\slftitle{\localgreek%
8776 {^^^^039a^^^^03b1^^^^03c4^^^^03ac^^^^03bb^^^^03bf^^^^03b3^^^^03bf%
8777 ^^^^03c2 ^^^^03c0^^^^03b9^^^^03bd^^^^03ac^^^^03ba^^^^03c9^^^^03bd}}}%
8778 </greek – mono>

```

## 13.72 “Greek-polydemo” language: greek-polydemo.mld

\localgreek The titles for the “greek-polydemo” language<sup>26</sup> are taken from the file omega-greek.ldf (by Alexej M. KRYUKOV and Dmitry IVANOV) in the Antomega project [272]:

```

8779 <*greek – polydemo>
8780 \ProvidesFile{greek-polydemo.mld}[2005/02/08]%
8781 %% from omega-greek.ldf (Antomega project). Needs Omega.
8782 %% Alexej M. Kryukov & Dmitry Ivanov
8783 \def\ptctitle{\localgreek%
8784 {^^^^03a0^^^^03b5^^^^03c1^^^^03b9^^^^03b5^^^^03c7^^^^1f79^^^^03bc%
8785 ^^^^03b5^^^^03bd^^^^03b1}}}%
8786 \def\plftitle{\localgreek%
8787 {^^^^039a^^^^03b1^^^^03c4^^^^1f71^^^^03bb^^^^03bf^^^^03b3^^^^03bf%
8788 ^^^^03c2 ^^^^03c3^^^^03c7^^^^03b7^^^^03bc^^^^1f71^^^^03c4^^^^03c9%
8789 ^^^^03bd}}}%
8790 \def\plttitle{\localgreek%
8791 {^^^^039a^^^^03b1^^^^03c4^^^^1f71^^^^03bb^^^^03bf^^^^03b3^^^^03bf%
8792 ^^^^03c2 ^^^^03c0^^^^03b9^^^^03bd^^^^1f71^^^^03ba^^^^03c9^^^^03bd}}}%
8793 \def\mtctitle{\localgreek%
8794 {^^^^03a0^^^^03b5^^^^03c1^^^^03b9^^^^03b5^^^^03c7^^^^1f79^^^^03bc%
8795 ^^^^03b5^^^^03bd^^^^03b1}}}%
8796 \def\mlftitle{\localgreek%
8797 {^^^^039a^^^^03b1^^^^03c4^^^^1f71^^^^03bb^^^^03bf^^^^03b3^^^^03bf%
8798 ^^^^03c2 ^^^^03c3^^^^03c7^^^^03b7^^^^03bc^^^^1f71^^^^03c4^^^^03c9%
8799 ^^^^03bd}}}%
8800 \def\mlttitle{\localgreek%
8801 {^^^^039a^^^^03b1^^^^03c4^^^^1f71^^^^03bb^^^^03bf^^^^03b3^^^^03bf%
8802 ^^^^03c2 ^^^^03c0^^^^03b9^^^^03bd^^^^1f71^^^^03ba^^^^03c9^^^^03bd}}}%
8803 \def\stctitle{\localgreek%
8804 {^^^^03a0^^^^03b5^^^^03c1^^^^03b9^^^^03b5^^^^03c7^^^^1f79^^^^03bc%
8805 ^^^^03b5^^^^03bd^^^^03b1}}}%
8806 \def\slftitle{\localgreek%
8807 {^^^^039a^^^^03b1^^^^03c4^^^^1f71^^^^03bb^^^^03bf^^^^03b3^^^^03bf%
8808 ^^^^03c2 ^^^^03c3^^^^03c7^^^^03b7^^^^03bc^^^^1f71^^^^03c4^^^^03c9%
8809 ^^^^03bd}}}%
8810 \def\slttitle{\localgreek%
8811 {^^^^039a^^^^03b1^^^^03c4^^^^1f71^^^^03bb^^^^03bf^^^^03b3^^^^03bf%
8812 ^^^^03c2 ^^^^03c0^^^^03b9^^^^03bd^^^^1f71^^^^03ba^^^^03c9^^^^03bd}}}%
8813 </greek – polydemo>

```

<sup>26</sup>Polytonic demotic (popular) greek, for classical greek.

### 13.73 “Greek-polykatha” language: greek-polykatha.mld

`\localgreek` The titles for the “greek-polykatha” language<sup>27</sup> are taken from the `omega-greek.ldf` file (by Alexej M. KRYUKOV and Dmitry IVANOV) in the Antomega project [272]:

```

8814 (*greek – polykatha)
8815 \ProvidesFile{greek-polykatha.mld}[2005/02/08]%
8816 %% from omega-greek.ldf (Antomega project). Needs Omega.
8817 %% Alexej M. Kryukov & Dmitry Ivanov
8818 \def\ptctitle{\localgreek%
8819 {^03a0^03b5^03c1^03b9^03b5^03c7^1f79^03bc%
8820 ^03b5^03bd^03b1}}%
8821 \def\plftitle{\localgreek%
8822 {^039a^03b1^03c4^1f71^03bb^03bf^03b3^03bf%
8823 ^03c2 ^03c3^03c7^03b7^03bc^1f71^03c4^03c9^03bd}}%
8824 \def\plttitle{\localgreek%
8825 {^039a^03b1^03c4^1f71^03bb^03bf^03b3^03bf%
8826 ^03c2 ^03c0^03b9^03bd^1f71^03ba^03c9^03bd}}%
8827 \def\mtctitle{\localgreek%
8828 {^03a0^03b5^03c1^03b9^03b5^03c7^1f79^03bc%
8829 ^03b5^03bd^03b1}}%
8830 \def\mlftitle{\localgreek%
8831 {^039a^03b1^03c4^1f71^03bb^03bf^03b3^03bf%
8832 ^03c2 ^03c3^03c7^03b7^03bc^1f71^03c4^03c9^03bd}}%
8833 \def\mlttitle{\localgreek%
8834 {^039a^03b1^03c4^1f71^03bb^03bf^03b3^03bf%
8835 ^03c2 ^03c0^03b9^03bd^1f71^03ba^03c9^03bd}}%
8836 \def\stctitle{\localgreek%
8837 {^03a0^03b5^03c1^03b9^03b5^03c7^1f79^03bc%
8838 ^03b5^03bd^03b1}}%
8839 \def\slftitle{\localgreek%
8840 {^039a^03b1^03c4^1f71^03bb^03bf^03b3^03bf%
8841 ^03c2 ^03c3^03c7^03b7^03bc^1f71^03c4^03c9^03bd}}%
8842 \def\slttitle{\localgreek%
8843 {^039a^03b1^03c4^1f71^03bb^03bf^03b3^03bf%
8844 ^03c2 ^03c0^03b9^03bd^1f71^03ba^03c9^03bd}}%
8845 </greek – polykatha)

```

### 13.74 “Guarani” language: guarani.mld



The “guarani” (guaraní) language is the main language spoken in Paraguay. Very often, a mixture of Guaraní and Spanish, known as Jopará or Yopará, is spoken. The titles are taken from the `guarani.ldf` file by Javier BEZOS [45]. A special input encoding (`win-gn.def`) is needed. These files are available on the CTAN archives.

<sup>27</sup>Polytonic greek, « kathaverousa » (purified) style, a form of the Greek language created during the early XIX-th century by Adamantios KORAI, to purify the language from the Byzantine and non-greek vocabulary. It has now been obsolete by the demotic (popular) greek, but it has left a very noticeable trace in the modern Greek language.



Figure 13.80: Paraguay ([http://www.lib.utexas.edu/maps/americas/paraguay\\_pol98.pdf](http://www.lib.utexas.edu/maps/americas/paraguay_pol98.pdf) – Courtesy of the University of Texas Libraries, The University of Texas at Austin [395] – and <http://www.tfq.ulaval.ca/axl/amsudant/paraguay.htm> in [294])

```

8846 (*guarani)
8847 \ProvidesFile{guarani.mld}[2005/08/26]%
8848 % Guarani titles from guarani.ldf by Javier Bezos. Input encoding win-gn.def needed.
8849 \def\ptctitle{\'Indice general}%
8850 \def\plftitle{\'Indice de figuras}%
8851 \def\pltttitle{\'Indice de cuadros}%
8852 \def\mtctitle{\'Indice general}%
8853 \def\mlftitle{\'Indice de figuras}%
8854 \def\mltttitle{\'Indice de cuadros}%
8855 \def\stctitle{\'Indice general}%
8856 \def\slftitle{\'Indice de figuras}%
8857 \def\sltttitle{\'Indice de cuadros}%
8858 </guarani)

```

### 13.75 “Hangul1” language: hangul1.ml[d|o]

The Korean language was originally written using the Chinese characters; it is now mainly written in Hangûl, the Korean writing system, optionally incorporating Hanja to write Sino-Korean words [453]. See [214, page 150], [216] and [365]. See figure 13.82 on the following page.



The titles for the “hangul1” language (korean in hangûl script, first variant) are taken from the file hangul.cap of the CJK system [127, 297, 298] (by Werner LEMBERG). Special fonts are needed, of course.

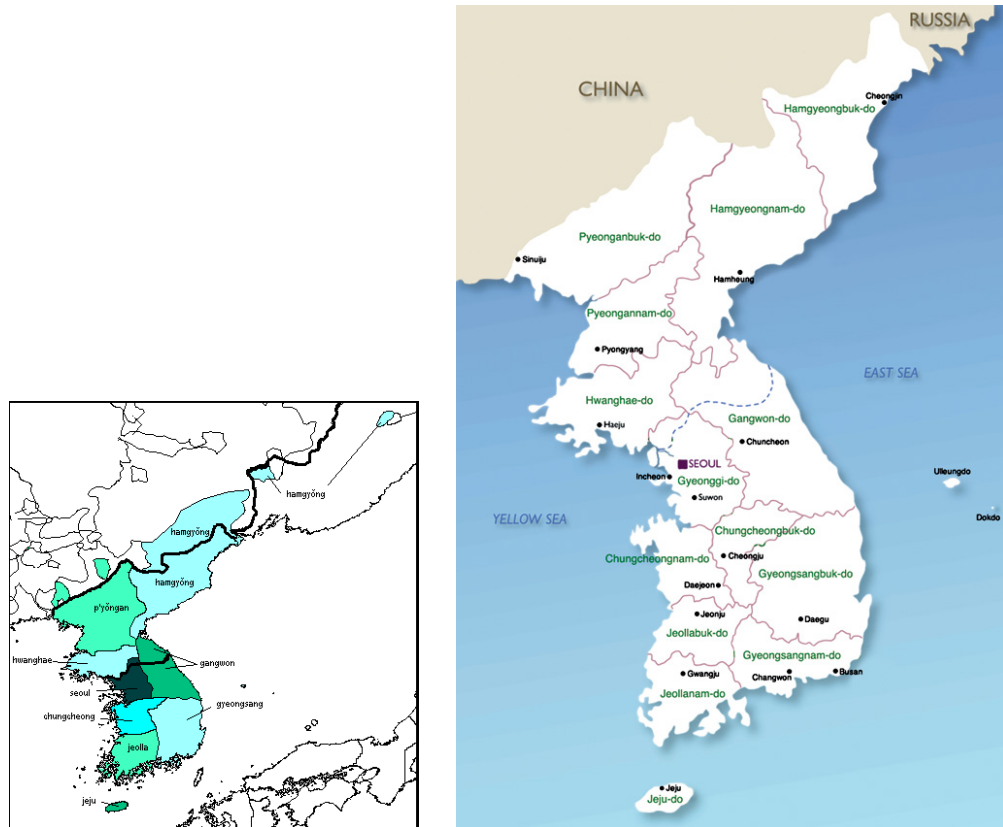


Figure 13.81: Korean language areas ([http://en.wikipedia.org/wiki/Korean\\_Language](http://en.wikipedia.org/wiki/Korean_Language) and [http://www.korea.net/korea/kor\\_loca.asp?code=A0102](http://www.korea.net/korea/kor_loca.asp?code=A0102))

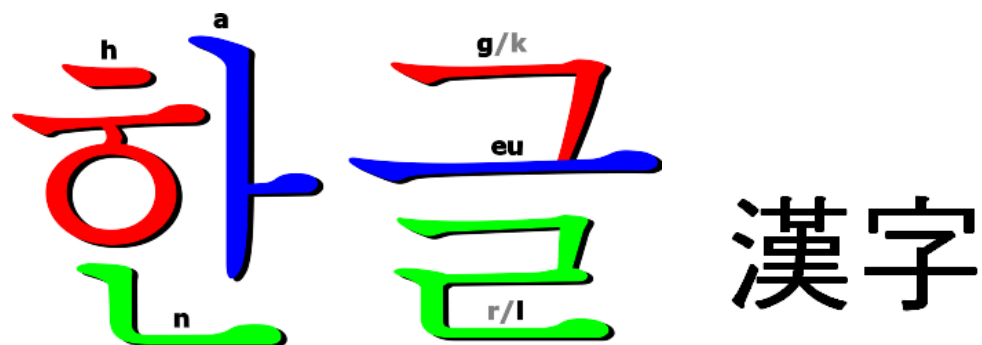


Figure 13.82: Hangul and hanja characters (<http://en.wikipedia.org/wiki/Hangul> and <http://wiki.galbijim.com/Hanja>; see also <http://wiki.galbijim.com/Korean>)

See also sections [13.76](#) to [13.82](#) on pages [552–555](#).

`\mtcloadmlo` The titles for the “hangul1” language contain characters that cannot be easily generated, hence we load `hangul1.mlo`.

```
8859 (*hangul1)
8860 \ProvidesFile{hangul1.mld}[2005/01/28]\mtcloadmlo{hangul1}%
8861%% From the file hangul.cap of the CJK package for using Asian logographs
8862%% (Chinese/Japanese/Korean) with LaTeX2e. Created by Werner Lemberg <wl@gnu.org>
8863%% Version 4.5.2 (28-Mar-2003) Hangul captions
8864%% character set: KS X 1001:1992 (=KS C 5601-1992), encoding: EUC (=Wansung)
8865 \hangul1
```

### 13.76 “Hangul2” language: `hangul2.ml[d|o]`

The titles for the “hangul2” language (korean in hangûl script, second variant) are taken from the file `hangul.cpx` of the CJK system [[127](#), [297](#), [298](#)] (by Werner LEMBERG). Special fonts are needed, of course.

See also sections [13.75](#) on page [550](#) and [13.77](#) to [13.82](#) on pages [552–555](#).

`\mtcloadmlo` The titles for the “hangul2” language contain characters that cannot be easily generated, hence we load `hangul2.mlo`.

```
8866 (*hangul2)
8867 \ProvidesFile{hangul2.mld}[2005/01/28]\mtcloadmlo{hangul2}%
8868%% From the file hangul.cpx of the CJK package for using Asian logographs
8869%% (Chinese/Japanese/Korean) with LaTeX2e. Created by Werner Lemberg <wl@gnu.org>
8870%% Version 4.5.2 (28-Mar-2003), Hangul captions
8871%% char. set: KS X 1001:1992 (=KS C 5601-1992), encoding: EUC (=Wansung), preprocessed
8872 \hangul2
```

### 13.77 “Hangul3” language: `hangul3.ml[d|o]`

The titles for the “hangul3” language (korean in hangûl script, third variant) are taken from the file `hangul2.cap` of the CJK system [[127](#), [297](#), [298](#)] (by Werner LEMBERG). Special fonts are needed, of course. See also sections [13.75](#) to [13.76](#) on pages [550–552](#) and [13.78](#) to [13.82](#) on pages [553–555](#).

`\mtcloadmlo` The titles for the “hangul3” language contain characters that cannot be easily generated, hence we load `hangul3.mlo`.



```

8873 (*hangul3)
8874 \ProvidesFile{hangul3.mld}[2005/01/28]\mteadloadmlo{hangul3}%
8875 %% From the file hangul2.cpx of the CJK package for using Asian logographs
8876 %% (Chinese/Japanese/Korean) with LaTeX2e. Created by Werner Lemberg <wl@gnu.org>
8877 %% Version 4.5.2 (28-Mar-2003) Hangul captions set 2
8878 %% character set: KS X 1001:1992 (=KS C 5601-1992), encoding: EUC (=Wansung)
8879 </hangul3>

```

### 13.78 “Hangul4” language: hangul4.mld[o]

The titles for the “hangul4” language (korean in hangûl script, fourth variant) are taken from the file hangul2.cpx of the CJK system [127, 297, 298] (by Werner LEMBERG). Special fonts are needed, of course. See also sections 13.75 to 13.77 on pages 550–552, and 13.79 to 13.82 on pages 553–555.

`\mteadloadmlo` The titles for the “hangul4” language contain characters that cannot be easily generated, hence we load hangul4.mlo.

```

8880 (*hangul4)
8881 \ProvidesFile{hangul4.mld}[2005/01/28]\mteadloadmlo{hangul4}%
8882 %% From the file hangul2.cpx of the CJK package for using Asian logographs
8883 %% (Chinese/Japanese/Korean) with LaTeX2e. Created by Werner Lemberg <wl@gnu.org>
8884 %% Version 4.5.2 (28-Mar-2003) Hangul captions set 2,
8885 %% character set: KS X 1001:1992 (=KS C 5601-1992),
8886 %% encoding: EUC (=Wansung), preprocessed
8887 </hangul4>

```

### 13.79 “Hangul-u8” language: hangul-u8.mld[o]

The titles for the “hangul-u8” language (korean in hangûl script, for *Lambda*  $\Lambda$ ) are taken from the file u8hangul.tex of the H<sub>A</sub>T<sub>E</sub>X system [266, in korean] by Un KOAUNGHI. Special fonts are needed, of course. Input encoding is UTF-8.

See also sections 13.75 to 13.78 on pages 550–553, and 13.80 to 13.82 on pages 554–555. See [214, page 150], [216] and [365].

`\mteadloadmlo` The titles for the “hangul-u8” language contain characters that cannot be easily generated, hence we load hangul-u8.mlo.

```

8888 (*hangul – u8)
8889 \ProvidesFile{hangul-u8.mld}[2006/02/21]\mtcloadmlo{hangul-u8}%
8890 %% Hangul captions for Lambda. From the file u8hangul.tex
8891 %% of the HLaTeX package by Koaunghi Un (koaunghi@kornet.net)
8892 \</hangul – u8>

```

### 13.80 “Hanja1” language: hanja1.mld.ml[d|o]

The titles for the “hanja1” language (korean in the old script hanja, first variant) are taken from the file `hanja.cpx` of the CJK system [127, 297, 298] (by Werner LEMBERG). Special fonts are needed, of course. See figure 13.82 on page 551. See also sections 13.75 to 13.79 on pages 550–553, and 13.81 to 13.82 on pages 554–555.

`\mtcloadmlo` The titles for the “hanja1” language contain characters that cannot be easily generated, hence we load `hanja1.mlo`.

```

8893 (*hanja1)
8894 \ProvidesFile{hanja1.mld}[2005/01/28]\mtcloadmlo{hanja1}%
8895 %% From the file hanja.cpx of the CJK package for using Asian logographs
8896 %% (Chinese/Japanese/Korean) with LaTeX2e. Hanja captions.
8897 %% Created by Werner Lemberg <wl@gnu.org>, Version 4.5.2 (28-Mar-2003)
8898 %% Character set: KS X 1001:1992 (=KS C 5601-1992),
8899 %% encoding: EUC (=Wansung), preprocessed
8900 \</hanja1>

```

### 13.81 “Hanja2” language: hanja2.ml[d|o]

The titles for the “hanja2” language (Korean in the old script hanja, second variant) are taken from the file `hanja.cap` of the CJK system [127, 297, 298] (by Werner LEMBERG). Special fonts are needed, of course. See also sections 13.75 to 13.80 on pages 550–554, and 13.82 on the next page.

`\mtcloadmlo` The titles for the “hanja2” language contain characters that cannot be easily generated, hence we load `hanja2.mlo`.

```

8901 (*hanja2)
8902 \ProvidesFile{hanja2.mld}[2005/01/28]\mtcloadmlo{hanja2}%
8903 %% From the file hanja.cap of the CJK package for using Asian logographs
8904 %% (Chinese/Japanese/Korean) with LaTeX2e. Hanja captions.
8905 %% Created by Werner Lemberg <a7971428@unet.univie.ac.at>.
8906 %% character set: KS X 1001:1992 (=KS C 5601-1992),
8907 %% encoding: EUC (=Wansung). Version 4.1.3 (20-Jun-1997)
8908 \</hanja2>

```

### 13.82 “Hanja-u8” language: hanja-u8.ml[d|o]

The titles for the “hanja-u8” language (korean in hanja script, for *Lambda*  $\Lambda$ ) are taken from the file `u8hanja.tex` of the HLaTeX system [266, in korean] by Un KOAUNGH. Special fonts are needed, of course. Input encoding is UTF-8. See also sections 13.75 to 13.81 on pages 550–554. See [214, page 150], [216] and [365].

`\mtcloadmlo` The titles for the “hanja-u8” language contain characters that cannot be easily generated, hence we load `hanja-u8.mlo`.

```
8909 <(*hanja - u8)
8910 \ProvidesFile{hanja-u8.mld}[2006/02/21]\mtcloadmlo{hanja-u8}%
8911 %% Hanja captions for Lambda. From the file hanja-u8.tex of the HLaTeX package
8912 %% by Koaunghi Un (koaunghi@kornet.net)
8913 </hanja - u8>
```

### 13.83 “Hebrew” language: hebrew.mld

עברית



The titles for the “hebrew” language (*ivrit*) are taken from the ArabTeX package [276, 277] (by Klaus LAGALLY), with the associated fonts. See also section 13.84. See the hebrew alphabet (*alefbet*): <http://www.jewfaq.org/graphics/hebrew.gif>.

```
8914 <(*hebrew)
8915 \ProvidesFile{hebrew.mld}[2001/02/28]%
8916 %% Hebrew titles. Need hebrew fonts (see arabtex documentation)
8917 \def\ptctitle{\tav\vav\kaf\finalnun\ \ayin\nun\yod\nun\yod\finalmem}%
8918 \def\plftitle{\resh\shin\yod\mem\tav\ \alef\yod\vav\resh\yod\finalmem}%
8919 \def\plttitle{\resh\shin\yod\mem\tav\ \tet\bet\lamed\alef\vav\tav}%
8920 \def\mtctitle{\tav\vav\kaf\finalnun\ \ayin\nun\yod\nun\yod\finalmem}%
8921 \def\mlftitle{\resh\shin\yod\mem\tav\ \alef\yod\vav\resh\yod\finalmem}%
8922 \def\mlttitle{\resh\shin\yod\mem\tav\ \tet\bet\lamed\alef\vav\tav}%
8923 \def\stctitle{\tav\vav\kaf\finalnun\ \ayin\nun\yod\nun\yod\finalmem}%
8924 \def\slftitle{\resh\shin\yod\mem\tav\ \alef\yod\vav\resh\yod\finalmem}%
8925 \def\slttitle{\resh\shin\yod\mem\tav\ \tet\bet\lamed\alef\vav\tav}%
8926 </hebrew>
```

### 13.84 “Hebrew2” language: hebrew2.mld

`\@ensure@R` The titles for the “hebrew2” language are taken from the file `hebrew.dtx` (by Boris LAVVA and Rama PORRAT) in the `babel` package [60, 61, 86], which should be used, with the associated fonts and encodings. See also section 13.83.



Figure 13.83: Israël ([http://www.tlfq.ulaval.ca/axl/asie/israel\\_carte1.htm](http://www.tlfq.ulaval.ca/axl/asie/israel_carte1.htm) in [294])

```

8927 (*hebrew2)
8928 \ProvidesFile{hebrew2.mld}[2006/01/11]%
8929 %% From hebrew.dtx in the Babel package. Boris Lavva (lavva@tx.technion.ac.il)
8930 %% Need hebrew fonts.
8931 \def\ptctitle{\@ensure@R{\hebtav\hebvav\hebka\hebfinalnun \
8932 \hebayin\hebnun\hebyod\hebyod\hebnun\hebyod\hebfinalmem}}%
8933 \def\plftitle{\@ensure@R{\hebresh\hebshin\hebyod\hebmemb\hebtav \
8934 \hebalef\hebyod\hebvav\hebresh\hebyod\hebfinalmem}}%
8935 \def\plttitle{\@ensure@R{\hebresh\hebshin\hebyod\hebmemb\hebtav\
8936 \hebtet\hebbet\heblamed\hebalef\hebvav\hebtav}}%
8937 \def\mtctitle{\@ensure@R{\hebtav\hebvav\hebka\hebfinalnun \
8938 \hebayin\hebnun\hebyod\hebyod\hebnun\hebyod\hebfinalmem}}%
8939 \def\mlftitle{\@ensure@R{\hebresh\hebshin\hebyod\hebmemb\hebtav \

```

```

8940 \hebalef\hebyod\hebvav\hebresh\hebyod\hebfinalmem}}%
8941 \def\mltttitle{\@ensure@R{\hebresh\hebshin\hebyod\hebmem\hebtav\
8942 \hebtet\hebbet\heblamed\hebalef\hebvav\hebtav}}%
8943 \def\stctitle{\@ensure@R{\hebtav\hebvav\hebka\hebfinalnun\ %
8944 \hebayin\hebnun\hebyod\hebyod\hebnun\hebyod\hebfinalmem}}%
8945 \def\slfttitle{\@ensure@R{\hebresh\hebshin\hebyod\hebmem\hebtav\ %
8946 \hebalef\hebyod\hebvav\hebresh\hebyod\hebfinalmem}}%
8947 \def\sltttitle{\@ensure@R{\hebresh\hebshin\hebyod\hebmem\hebtav\
8948 \hebtet\hebbet\heblamed\hebalef\hebvav\hebtav}}%
8949 </hebrew2>

```

### 13.85 “Hindi” language: hindi.mld

`\mtcselectlanguage` The “hindi” language is just like “devanagari”, so we just load `devanagari.mld` (see section 13.43 on page 517):

```

8950 (*hindi)
8951 \ProvidesFile{hindi.mld}[2006/08/24]\mtcselectlanguage{devanagari}%
8952 </hindi>

```

### 13.86 “Hindi-modern” language: hindi-modern.mld

हिंदी



The titles for the “hindi-modern” language are taken from the `captions.dn` file (by Anshuman PANDEY, C. V. RADHAKRISHNAN, Zdeněk WAGNER, John SMITH, Kevin CARMODY, Richard MAHONEY and Dominik WUJASTYK) in the `Devanāgarī` package [364] (`Devanāgarī`) after conversion. See also section 13.43 on page 517. Specific fonts are required. The home page of the package is <http://devnag.sarovar.org>.

```

\dn
\qva
\re 8953 (*hindi – modern)
\rs 8954 \ProvidesFile{hindi-modern.mld}[2006/08/29]%
\2 8955 %% Hindi modern titles from captions.dn in ‘‘Devanagari for TeX’’
\8 8956 %% by Pandey, Anshuman & Radhakrishnan, C.~V. & Wagner, Zden\v{e}k &
8957 %% Smith, John & Carmody, Kevin & Mahoney, Richard & Wujastyk, Dominik
8958 \def\ptctitle{{\dn Evqy{\rs -\re}\8{s}cF}}%
8959 \def\plfttitle{{\dn Ec/o{\qva} kF \8{s}cF}}%
8960 \def\pltttitle{{\dn tAElkAao\2 kF \8{s}cF}}%
8961 \def\mtctitle{{\dn Evqy{\rs -\re}\8{s}cF}}%
8962 \def\mlfttitle{{\dn Ec/o{\qva} kF \8{s}cF}}%
8963 \def\mltttitle{{\dn tAElkAao\2 kF \8{s}cF}}%
8964 \def\stctitle{{\dn Evqy{\rs -\re}\8{s}cF}}%
8965 \def\slfttitle{{\dn Ec/o{\qva} kF \8{s}cF}}%
8966 \def\sltttitle{{\dn tAElkAao\2 kF \8{s}cF}}%
8967 </hindi – modern>

```

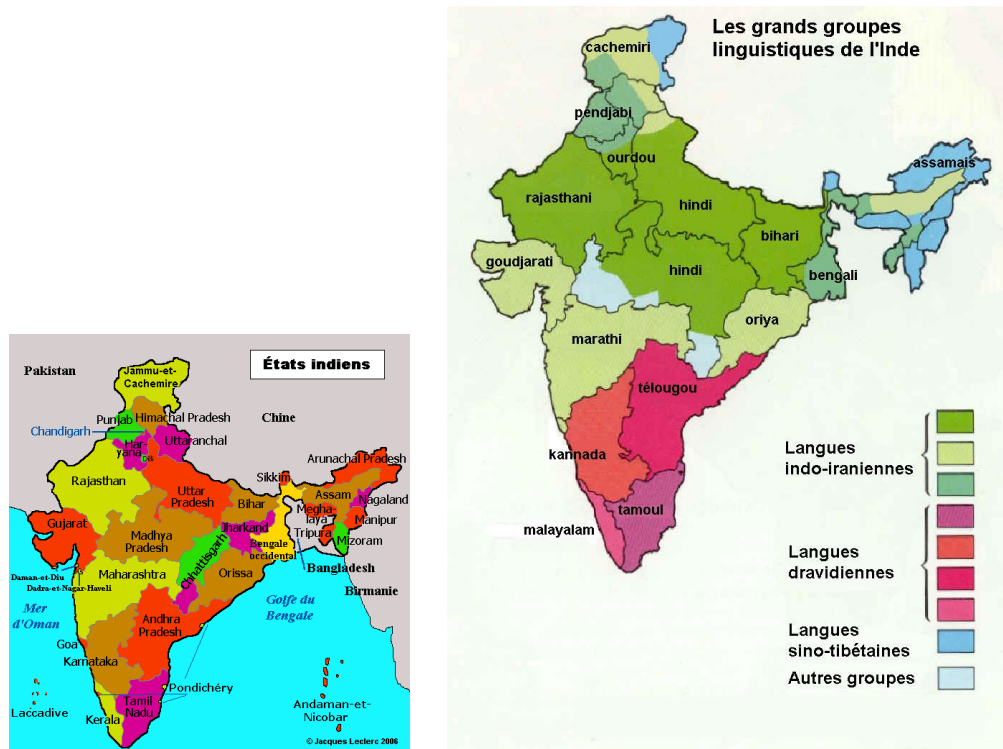


Figure 13.84: Languages in India (<http://www.tfq.ulaval.ca/axl/asie/inde-carte-etats2.htm> and [http://www.tfq.ulaval.ca/axl/asie/inde\\_linguistique.htm](http://www.tfq.ulaval.ca/axl/asie/inde_linguistique.htm) in [294]; see also [http://www.tfq.ulaval.ca/axl/asie/inde\\_cartepol.htm](http://www.tfq.ulaval.ca/axl/asie/inde_cartepol.htm) in [294])

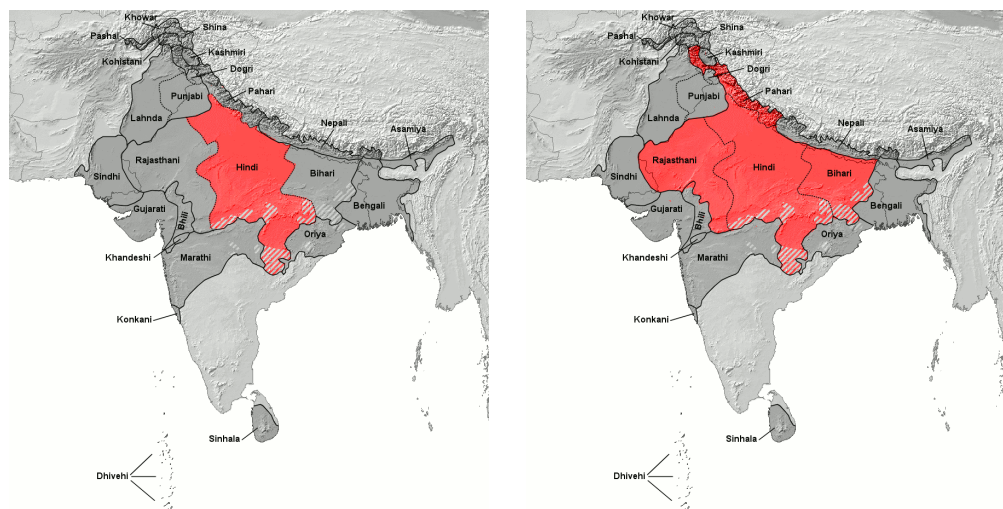


Figure 13.85: Hindi proper (east and west Hindi dialects) and the hindi belt (1991 census) (<http://en.wikipedia.org/wiki/Hindi>)

### 13.87 “Hungarian” language: hungarian.mld

`\mtcselectlanguage` The “hungarian” language is a synonym of the “magyar” language, so we load `magyar.mld`. See section 13.115 on page 575.

```
8968 (*hungarian)
8969 \ProvidesFile{hungarian.mld}[2004/12/14]\mtcselectlanguage{magyar}%
8970 \</hungarian)
```

### 13.88 “Icelandic” language: icelandic.mld



Figure 13.86: Iceland (<http://www.tlfq.ulaval.ca/axl/europe/islandecarte.htm> in [294] and [http://www.lib.utexas.edu/maps/europe/iceland\\_pol81.jpg](http://www.lib.utexas.edu/maps/europe/iceland_pol81.jpg) – Courtesy of the University of Texas Libraries, The University of Texas at Austin [395]); see also <http://en.wikipedia.org/wiki/Iceland>)



The titles for the “icelandic” language (*islenska*) are taken from the `icelandic.dtx` file (by Einar ÁRNASON) in the `babel` package [60, 61, 63]. See also [236].

```
8971 (*icelandic)
8972 \ProvidesFile{icelandic.mld}[2007/12/18]%
8973 %% From icelandic.dtx (babel). Needs inputenc with 8-bits encoding. Árnason, Einar
8974 \def\ptctitle{Efnisyfirlit}%
8975 \def\plftitle{Myndaskr\'}{a}%
8976 \def\pltttitle{T\'}{o}fluskr\'}{a}%
8977 \def\mtctitle{Efnisyfirlit}%
8978 \def\mlftitle{Myndaskr\'}{a}%
8979 \def\mltttitle{T\'}{o}fluskr\'}{a}%
8980 \def\stctitle{Efnisyfirlit}%)
```

```
8981 \def\slftitle{Myndaskr\'{a}}%
8982 \def\sltttitle{T\"{o}fluskr\'{a}}%
8983 </icelandic>
```

### 13.89 “Indon” language: `indon.mld`

`\mtcselectlanguage` The “indon” language is just like “bahasai”, so we just load `bahasai.mld` (see section 13.16 on page 491):

```
8984 <(*indon)
8985 \ProvidesFile{indon.mld}[2006/01/13]\mtcselectlanguage{bahasai}%
8986 </indon>
```

### 13.90 “Indonesian” language: `indonesian.mld`

`\mtcselectlanguage` The “indonesian” language is just like “bahasai”, so we just load `bahasai.mld` (see section 13.16 on page 491):

```
8987 <(*indonesian)
8988 \ProvidesFile{indonesian.mld}[2006/01/13]\mtcselectlanguage{bahasai}%
8989 </indonesian>
```

### 13.91 “Interlingua” language: `interlingua.mld`

The titles for the “interlingua” language are taken from the `interlingua.dtx` file (by Peter KLEIWEG) in the `babel` package [60, 61, 81]. Interlingua is an auxiliary language, built from the common vocabulary of Spanish/Portuguese, English, Italian and French, with some normalisation of spelling. The grammar is very easy, more similar to English’s than to neolatin languages<sup>28</sup>. See also:

- <http://en.wikipedia.org/wiki/Interlingua>, <http://fr.wikipedia.org/wiki/Interlingua>,
- Union Interlinguiste de France: <http://www.interlingua.com/fr/>
- interlingua-english dictionary: <http://www.interlingua.com/ied/>
- interlingua grammar (in french): <http://filip.ouvaton.org/ia/gram/entra1.html>
- some sites in interlingua: <http://www.dmoz.org/World/Interlingua>

<sup>28</sup>The site <http://www.interlingua.com> is mostly written in interlingua (as is <http://interlingua.altervista.org>), in case you want to read some sample of it.



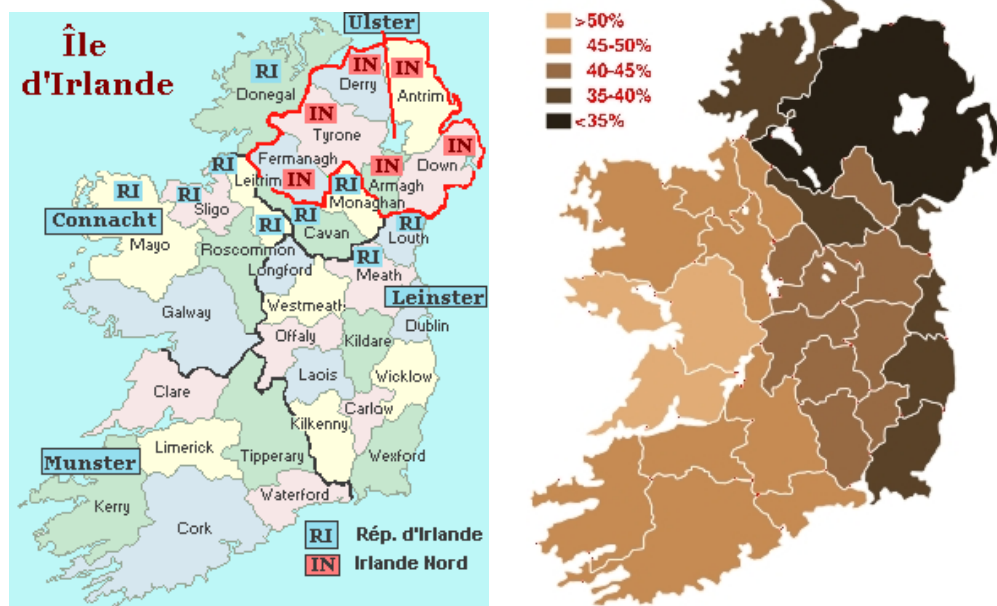
- other sites about interlingua: <http://www.cle.unicamp.br/wcp3/interlingua.htm>

```

8990 (*interlingua)
8991 \ProvidesFile{interlingua.mld}[2007/12/18]%
8992 %% Interlingua titles from interlingua.dtx (babel). Kleiweg, Peter
8993 \def\ptctitle{Contenido}%
8994 \def\plftitle{Lista de figuras}%
8995 \def\pltttitle{Lista de tabellas}%
8996 \def\mtctitle{Contenido}%
8997 \def\mlftitle{Figuras}%
8998 \def\mltttitle{Tabellas}%
8999 \def\stctitle{Contenido}%
9000 \def\slftitle{Figuras}%
9001 \def\sltttitle{Tabellas}%
9002 </interlingua>

```

### 13.92 “Irish” language: irish.mld



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Figure 13.87: Ireland (<http://www.tlfq.ulaval.ca/axl/europe/irlande-comtes.htm> in [294] and [http://en.wikipedia.org/wiki/Irish\\_language](http://en.wikipedia.org/wiki/Irish_language))

The titles for the “irish” language (*gaeilge*) come from the `irish.dtx` file (by Johannes L. BRAAMS, Marion GUNN and Fraser GRANT) in the babel package [57, 60, 61]:

```

9003 (*irish)
9004 \ProvidesFile{irish.mld}[2006/02/28]%

```

```

9005% From irish.dtx (babel). Braams, Johannes~L. & Gunn, Marion & Grant, Fraser
9006 \def\ptctitle{Cl\'ar \'Abhair}%
9007 \def\plftitle{L\'ear\'aid\'{\i}}%
9008 \def\pltttitle{T\'abla\'{\i}}%
9009 \def\mtctitle{Cl\'ar \'Abhair}%
9010 \def\mlftitle{L\'ear\'aid\'{\i}}%
9011 \def\mltttitle{T\'abla\'{\i}}%
9012 \def\stctitle{Cl\'ar \'Abhair}%
9013 \def\slftitle{L\'ear\'aid\'{\i}}%
9014 \def\sltttitle{T\'abla\'{\i}}%
9015 </irish>

```

### 13.93 “Italian” language: italian.mld

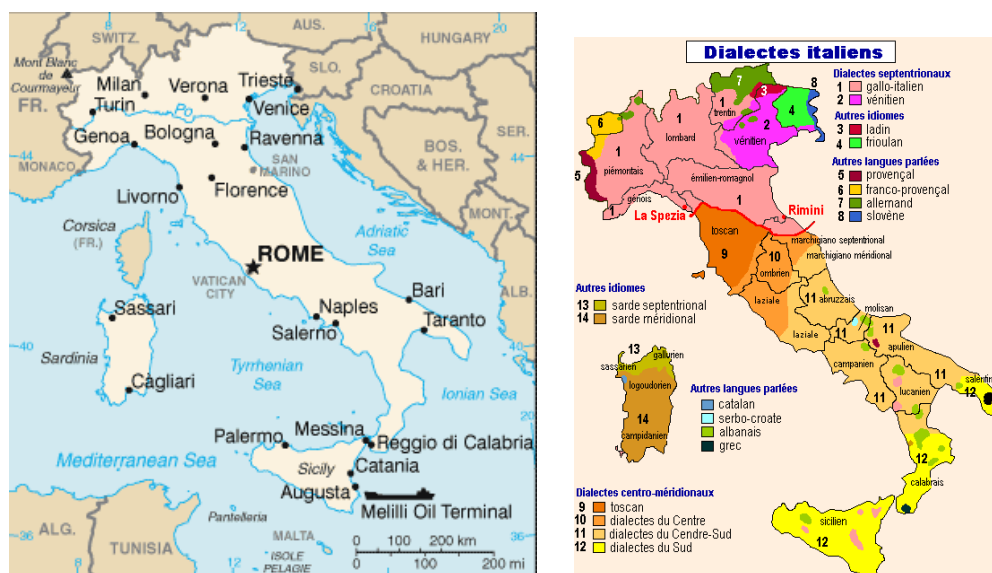


Figure 13.88: Italy (<http://www.lib.utexas.edu/maps/italy.html> – Courtesy of the University of Texas Libraries, The University of Texas at Austin – and <http://www.tfq.ulaval.ca/axl/europe/italieetat.htm> in [294])



The titles for the “italian” language (*italiano*) come from the file `italian.dtx` (by Maurizio CODOGNO and Claudio BECCARI) in the babel package [60, 61, 73]. See also section 13.94 on page 564.

```

9016 (*italian)
9017 \ProvidesFile{italian.mld}[2006/01/13]%
9018% Italian titles from italian.dtx (babel). Same authors.
9019% Maurizio Codogno (mau@beatles.cselt.stet.it) & Claudio Beccari (beccari@polito.it)
9020 \def\ptctitle{Indice}%
9021 \def\plftitle{Elenco delle figure}%
9022 \def\pltttitle{Elenco delle tabelle}%

```



Figure 13.89: Italophone areas in Europa ([http://en.wikipedia.org/wiki/Italian\\_language](http://en.wikipedia.org/wiki/Italian_language))



Figure 13.90: Italophone countries and regions ([http://en.wikipedia.org/wiki/Italian\\_Language](http://en.wikipedia.org/wiki/Italian_Language))

9023 \def\mtctitle{Indice}%

9024 \def\mlftitle{Elenco delle figure}%

```

9025 \def\mltttitle{Elenco delle tabelle}%
9026 \def\stcttitle{Indice}%
9027 \def\slfttitle{Elenco delle figure}%
9028 \def\sltttitle{Elenco delle tabelle}%
9029 </italian>

```

### 13.94 “Italian2” language: `italian2.mld`

The titles for the “italian2” language are the same as for the “italian” language, except at the part level (“Contenuto”). See also section 13.93 on page 562.

```

9030 (*italian2)
9031 \ProvidesFile{italian2.mld}[2006/01/13]%
9032 %% Italian titles. Variant, from italian.dtx (babel). Same authors.
9033 \def\ptcttitle{Contenuto}%
9034 \def\plfttitle{Elenco delle figure}%
9035 \def\pltttitle{Elenco delle tabelle}%
9036 \def\mtcttitle{Contenuto}%
9037 \def\mlfttitle{Elenco delle figure}%
9038 \def\mltttitle{Elenco delle tabelle}%
9039 \def\stcttitle{Contenuto}%
9040 \def\slfttitle{Elenco delle figure}%
9041 \def\sltttitle{Elenco delle tabelle}%
9042 </italian2>

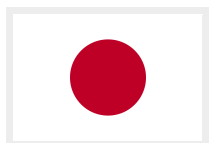
```

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### 13.95 “Japanese” language: `japanese.ml[d|o]`

There are several variants for the japanese titles. The titles for a first variant of the “japanese” language have been found (by a Google search) on the Web site of Professor Toshiki KUMAZAWA<sup>29</sup>.

But see also other variants in sections 13.96 to 13.100 on pages 565–567.



\mtcloadmlo

The titles for the “japanese” language contain characters that cannot be easily generated, hence we load `japanese.mlo`.

```

9043 (*japanese)
9044 \ProvidesFile{japanese.mld}[2006/01/13]\mtcloadmlo{japanese}%
9045 %% Japanese titles. Needs japanese fonts (CJK) and special input encoding.
9046 %% From Kumazawa Toshiki <kumazawa@biwako.shiga-u.ac.jp>
9047 %% http://www.biwako.shiga-u.ac.jp/sensei/kumazawa/tex/minitoc.html
9048 </japanese>

```

<sup>29</sup> <http://www.biwako.shiga-u.ac.jp/sensei/kumazawa/tex/minitoc.html>

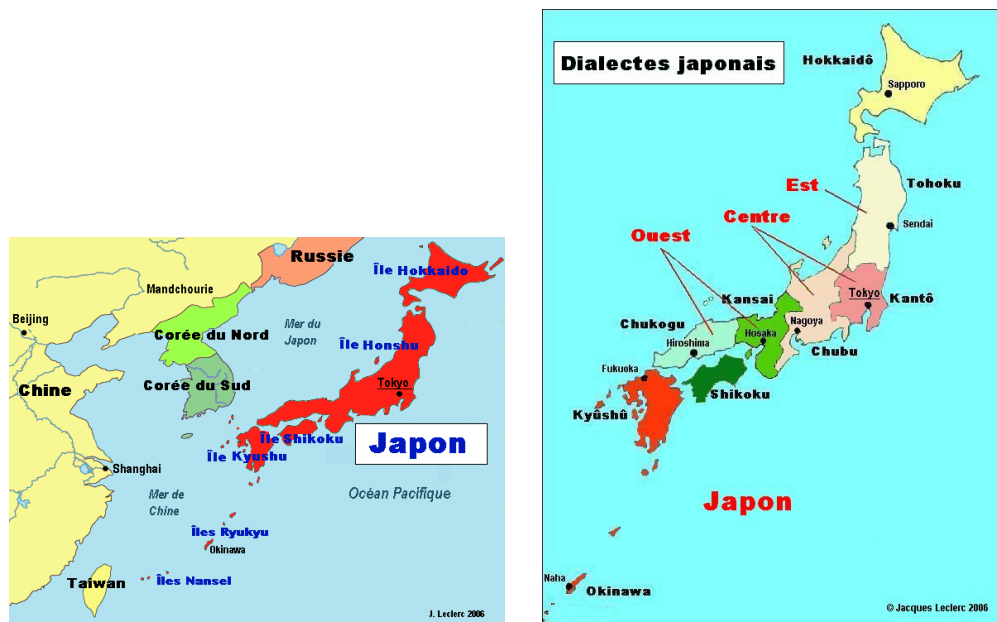


Figure 13.91: Japan (<http://www.tfq.ulaval.ca/axl/asie/japoncarte.htm> and <http://www.tfq.ulaval.ca/axl/monde/famjapon.htm> in [294])

### 13.96 “Japanese2” language: `japanese2.ml[d|o]`

The titles for the “japanese2” language (japanese, second variant) are taken from file JIS.cap of the CJK system [127, 297, 298] (by Werner LEMBERG). Special fonts are needed, of course. See also sections 13.95 on the page before, and 13.97 to 13.100 on pages 565–567.

`\mtcloadmlo` The titles for the “japanese2” language contain characters that cannot be easily generated, hence we load `japanese2.mlo`.

```
9049 (*japanese2)
9050 \ProvidesFile{japanese2.mld}[2006/01/13]\mtcloadmlo{japanese2}%
9051%% From the file JIS.cap of the CJK package
9052%% for using Asian logographs (Chinese/Japanese/Korean) with LaTeX2e.
9053%% Created by Werner Lemberg <wl@gnu.org>. Version 4.5.2 (28-Mar-2003)
9054%% Character set: JIS X 0208:1997 (or JIS X 0208-1990), encoding: EUC
9055 \japanese2
```

### 13.97 “Japanese3” language: `japanese3.ml[d|o]`

The titles for the “japanese3” language (japanese, third variant) are taken from file JIS.cpx of the CJK system [127, 297, 298] (by Werner LEMBERG).

Special fonts are needed, of course. See also sections 13.95 to 13.96 on pages 564–565, and 13.98s+mld+japanese6. The titles for the “japanese3” language contain characters that cannot be easily generated, hence we load `japanese3.mlo`.

`\mtcloadmlo` The titles for the “japanese3” language contain characters that cannot be easily generated, hence we load `japanese3.mlo`.

```
9056 <{*japanese3}
9057 \ProvidesFile{japanese3.mld}[2006/01/13]\mtcloadmlo{japanese3}%
9058 %% From the file JIS.cpx of the CJK package
9059 %% for using Asian logographs (Chinese/Japanese/Korean) with LaTeX2e.
9060 %% Created by Werner Lemberg <wl@gnu.org>. Version 4.5.2 (28-Mar-2003)
9061 %% Character set: JIS X 0208:1997 (or JIS X 0208-1990), encoding: EUC, preprocessed
9062 </japanese3>
```

### 13.98 “Japanese4” language: `japanese4.ml[d|o]`

The titles for the “japanese4” language (japanese, fourth version) are taken from file `SJIS.cap` of the CJK system [127, 297, 298] (by Werner LEMBERG). Special fonts are needed, of course. See also sections 13.95 to 13.97 on pages 564–565, and 13.99 to 13.100 on pages 566–567.

`\mtcloadmlo` The titles for the “japanese4” language contain characters that cannot be easily generated, hence we load `japanese4.mlo`.

```
9063 <{*japanese4}
9064 \ProvidesFile{japanese4.mld}[2006/01/13]\mtcloadmlo{japanese4}%
9065 %% From SJIS.cap in CJK package for using Asian logographs (Chinese/Japanese/Korean)
9066 %% with LaTeX2e. Werner Lemberg <wl@gnu.org>. Version 4.5.2 (28/03/2003).
9067 %% Character set: JIS X 0208:1997 (or JIS X 0208-1990), encoding: SJIS
9068 </japanese4>
```

### 13.99 “Japanese5” language: `japanese5.ml[d|o]`

The titles for the “japanese5” (japanese, fifth variant) language are taken from file `SJIS.cpx` of the CJK system [127, 297, 298] (by Werner LEMBERG). Special fonts are needed, of course. See also sections 13.95 to 13.98 on pages 564–566, and 13.100 on the next page. The titles for the “japanese5” language contain characters that cannot be easily generated, hence we load `japanese5.mlo`.

`\mtcloadmlo` The titles for the “japanese5” language contain characters that cannot be easily generated, hence we load `japanese5.mlo`.

```

9069 (*japanese5)
9070 \ProvidesFile{japanese5.mld}[2006/01/13]\mtcloadmlo{japanese5}%
9071 %% From the file SJIS.cpx of the CJK package
9072 %% for using Asian logographs (Chinese/Japanese/Korean) with LaTeX2e.
9073 %% Created by Werner Lemberg <wl@gnu.org>. Version 4.5.2 (28-Mar-2003)
9074 %% Character set: JIS X 0208:1997 (or JIS X 0208-1990), encoding: SJIS, preprocessed
9075 </japanese5>

```

### 13.100 “Japanese6” language: `japanese6.ml[d|o]`

The titles for the “japanese6” (japanese, sixth variant) language have been found (by a Google search) on the Web site of Professor Toshiki KUMAZAWA<sup>30</sup>. See also sections 13.95 to 13.99 on pages 564–566.

`\mtcloadmlo` The titles for the “japanese6” language contain characters that cannot be easily generated, hence we load `japanese6.mlo`.

```

9076 (*japanese6)
9077 \ProvidesFile{japanese6.mld}[2006/10/31]\mtcloadmlo{japanese6}%
9078 %% Japanese6 titles. Needs japanese fonts (CJK) and special input encoding.
9079 %% From Kumazawa Toshiki <kumazawa@biwako.shiga-u.ac.jp>
9080 %% http://www.biwako.shiga-u.ac.jp/sensei/kumazawa/tex/minitoc.html
9081 </japanese6>

```

### 13.101 “Kannada” language: `kannada.mld`



The Kannada (“kannada”) (or Kannara) language is a dravidian language spoken in the Karnataka state (main town: Bangalore) of India. Titles are taken in the `kanlel.sty` package file from the KannadaT<sub>E</sub>X project [485]<sup>31</sup> by C. S. YOGANANDA and K. K. SUBRAMANIAM. Specific fonts are required. See the alphabet here: <http://www.omniglot.com/writing/kannada.htm>.

```

9082 (*kannada)
9083 \ProvidesFile{kannada.mld}[2007/02/22]%
9084 %% From kanlel.sty of Kannadatex
9085 %% (C. S. Yogananda yoga@math.iisc.ernet.in yogacs@users.sarovar.org)
9086 %% (K. K. Subramaniam subbuk@users.sarovar.org)
9087 \def\ptctitle{pariviDi}%
9088 \def\plftitle{citarxgaLa paTiTx}%
9089 \def\plftitle{koVSaTxkagaLa paTiTx}%
9090 \def\mtctitle{pariviDi}%
9091 \def\mlftitle{citarxgaLa paTiTx}%

```

<sup>30</sup> <http://www.biwako.shiga-u.ac.jp/sensei/kumazawa/tex/minitoc.html>

<sup>31</sup> <http://Sarovar.org/projects/kannadatex>

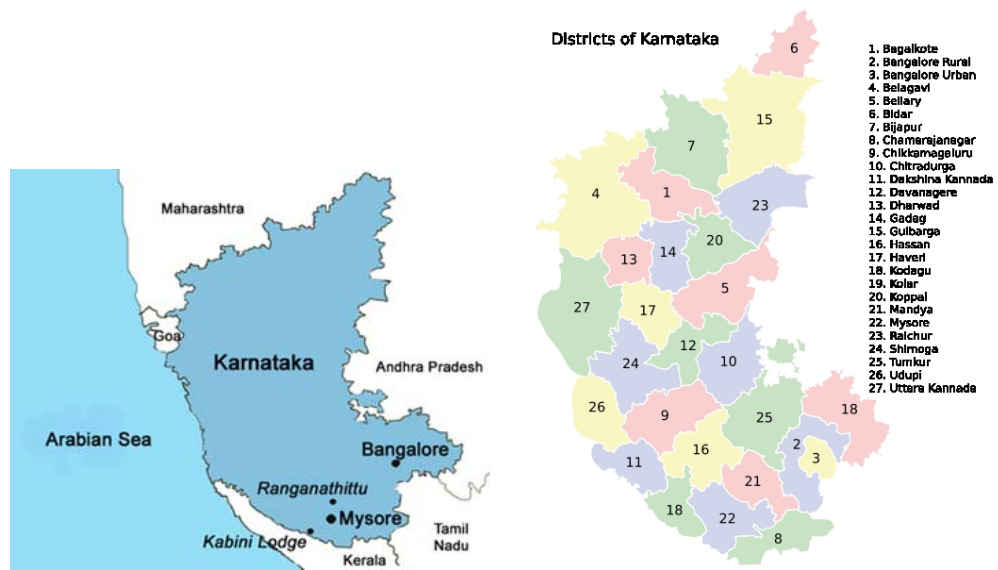


Figure 13.92: Kannada language areas (<http://www.pinkmoose.ic24.net/india/kabini.htm> and <http://en.wikipedia.org/wiki/Karnataka>; see also <http://kstdc.nic.in/pix/krnatmap.jpg> and figure 13.84 on page 558)

```

9092 \def\mlftitle{koVSaTxkagaLa paTiTx}%
9093 \def\stctitle{pariviDi}%
9094 \def\slftitle{citarxgaLa paTiTx}%
9095 \def\slftitle{koVSaTxkagaLa paTiTx}%
9096 \kannada

```

### 13.102 “Khalkha” language: khalkha.mld

`\mtcselectlanguage` “khalkha” is a synonym for “xalx”, so we just load `xalx.mld` (see sections 13.190 to 13.192 on pages 639–641):

```

9097 \*khalkha)
9098 \ProvidesFile{khalkha.mld}[2005/11/16]\mtcselectlanguage{xalx}%
9099 \khalkha)

```

### 13.103 “Latin” language: latin.mld



The titles for the “latin” language (medieval) are taken from the `latin.dtx` file (by Claudio BECCARI, Raffaella TABACCO, and Krzysztof Konrad ŻELECHOWSKI) in the `babel` package [60, 61, 65]. See also section 13.104 on the following page. The latin language is still used by the Catholic Church and the Vatican for archives and some texts.



```

9100 (*latin)
9101 \ProvidesFile{latin.mld}[2006/01/13]%
9102 %% Latin (medieval) titles from latin.dtx (babel)
9103 %% Beccari, Claudio & Tabacco, Raffalla & {\.Zelechowski}, Krzysztof Konrad
9104 \def\ptctitle{Index}%
9105 \def\plftitle{Conspectus descriptionum}%
9106 \def\pltttitle{Conspectus tabularum}%
9107 \def\mtctitle{Index}%
9108 \def\mlftitle{Conspectus descriptionum}%
9109 \def\mltttitle{Conspectus tabularum}%
9110 \def\stctitle{Index}%
9111 \def\slftitle{Conspectus descriptionum}%
9112 \def\sltttitle{Conspectus tabularum}%
9113 </latin>

```

### 13.104 “Latin2” language: latin2.mld

\ae The titles for the “latin2” language (latin, medieval, abbreviated variant) are taken from the `latin.dtx` (by Claudio BECCARI, Raffaella TABACCO, and Krzysztof Konrad ŻELECHOWSKI) file in the `babel` package [60, 61, 65], but abbreviated. See also section 13.103 on the page before.

```

9114 (*latin2)
9115 \ProvidesFile{latin2.mld}[2007/04/06]%
9116 %% Latin (medieval) titles (abbreviated) from latin.dtx (babel)
9117 %% Beccari, Claudio & Tabacco, Raffalla & {\.Zelechowski}, Krzysztof Konrad
9118 \def\ptctitle{Index}%
9119 \def\plftitle{Conspectus descriptionum}%
9120 \def\pltttitle{Conspectus tabularum}%
9121 \def\mtctitle{Index}%
9122 \def\mlftitle{Descriptiones}%
9123 \def\mltttitle{{Tabul\ae}}%
9124 \def\stctitle{Index}%
9125 \def\slftitle{Descriptiones}%
9126 \def\sltttitle{{Tabul\ae}}%
9127 </latin2>

```

### 13.105 “Latinc” language: latinc.mld

The titles for the “latinc” language (classical latin) are taken from the `latin.dtx` file (by Claudio BECCARI and Krzysztof Konrad ŻELECHOWSKI) in the `babel` package [60, 61, 65]. See also section 13.106 on the following page.

```

9128 (*latinc)
9129 \ProvidesFile{latinc.mld}[2007/04/13]%
9130 %% Latin (classical) titles from latin.dtx (babel)

```

```

9131%% Beccari, Claudio & {\.Zelechowski}, Krzysztof Konrad
9132 \def\ptctitle{Index}%
9133 \def\plftitle{Conspectvs descriptionvm}%
9134 \def\pltttitle{Conspectvs tabvlarvm}%
9135 \def\mtctitle{Index}%
9136 \def\mlftitle{Conspectvs descriptionvm}%
9137 \def\mltttitle{Conspectvs tabvlarvm}%
9138 \def\stctitle{Index}%
9139 \def\slftitle{Conspectvs descriptionvm}%
9140 \def\sltttitle{Conspectvs tabvlarvm}%
9141 </latinc>

```

### 13.106 “Latinc2” language: latinc2.mld

The titles for the “latinc2” language (classical latin, abbreviated variant) are taken from the `latin.dtx` (by Claudio BECCARI and Krzysztof Konrad ŻELECHOWSKI) file in the `babel` package [60, 61, 65], but abbreviated. See also section 13.105 on the page before.

```

9142 (*latinc2)
9143 \ProvidesFile{latinc2.mld}[2007/04/06]%
9144%% Latin (classical) titles (abbreviated) from latin.dtx (babel)
9145%% Beccari, Claudio & {\.Zelechowski}, Krzysztof Konrad
9146 \def\ptctitle{Index}%
9147 \def\plftitle{Conspectvs descriptionvm}%
9148 \def\pltttitle{Conspectvs tabvlarvm}%
9149 \def\mtctitle{Index}%
9150 \def\mlftitle{Descriptiones}%
9151 \def\mltttitle{Tabvlae}%
9152 \def\stctitle{Index}%
9153 \def\slftitle{Descriptiones}%
9154 \def\sltttitle{Tabvlae}%
9155 </latinc2>

```

### 13.107 “Latvian” language: latvian.mld



The titles for the “latvian” language<sup>32</sup> (*latviešu valoda*) come from the `latvian.ldf` file (by Alexej M. KRYUKOV and Dmitry IVANOV) in the Antomega project [272]. See also section 13.109 on page 572.

```

9156 (*latvian)
9157 \ProvidesFile{latvian.mld}[2005/02/08]%
9158%% From latvian.ldf (Antomega project).
9159%% Needs Omega. Alexej M. Kryukov & Dmitry Ivanov
9160 \def\ptctitle{\locallatvian{Saturs}}%

```

<sup>32</sup>Note that “latvian” is the original name for “letton”.

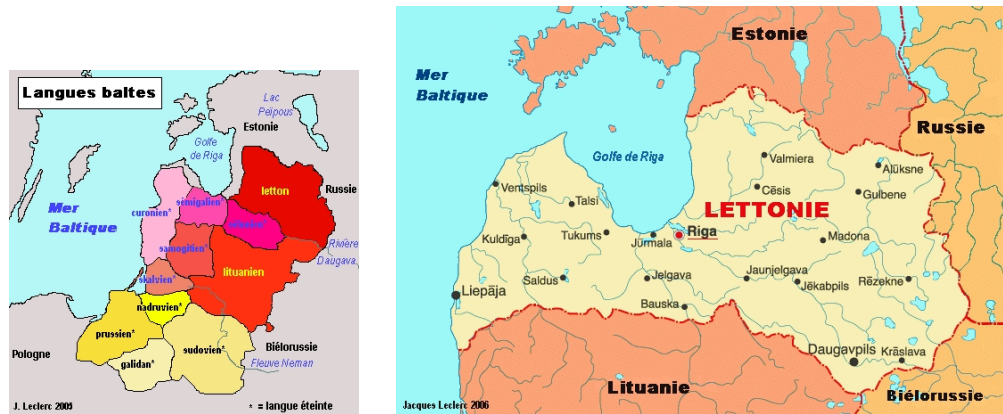
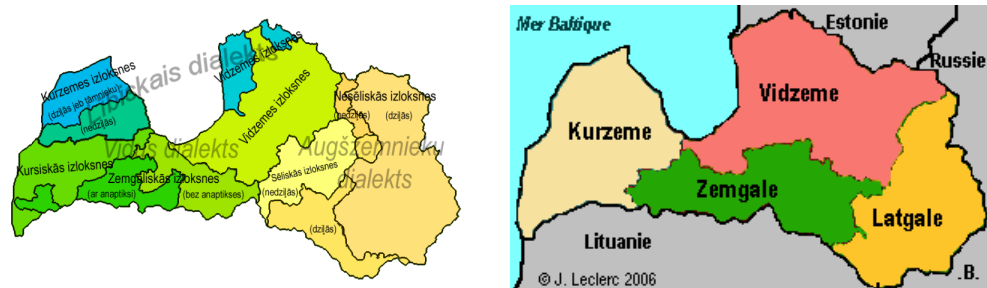


Figure 13.93: Baltic languages and Latvia ([http://www.tfq.ulaval.ca/axl/monde/langues\\_baltes.htm](http://www.tfq.ulaval.ca/axl/monde/langues_baltes.htm) and <http://www.tfq.ulaval.ca/axl/europe/lettoniecarte.htm> in [294]; note that the estonian language is *not* a baltic language, but a language from the uralian family.)



Dialects of the Latvian language. Main dialects are titled grey, subdialects are titled black, subdivisions of subdialects are given in brackets. Lībiskais or Livonian dialect is in bluish shades, Vidus (Vidzemes) or Middle dialect is in green shades, Augšzemnieku or Highlander/Latgalian dialect is yellow-orange.

Figure 13.94: Dialects and administrative regions in Latvia ([http://en.wikipedia.org/wiki/Latvian\\_language](http://en.wikipedia.org/wiki/Latvian_language) and <http://www.tfq.ulaval.ca/AXL/Europe/lettonie-1gnrl.htm> in [294])

```

9161 \def\plftitle{\locallatvian{Att^^^@0113lu saraksts}}%
9162 \def\pltttitle{\locallatvian{Tabulu saraksts}}%
9163 \def\mtctitle{\locallatvian{Satars}}%
9164 \def\mlftitle{\locallatvian{Att^^^@0113lu saraksts}}%
9165 \def\mltttitle{\locallatvian{Tabulu saraksts}}%
9166 \def\stctitle{\locallatvian{Satars}}%
9167 \def\slftitle{\locallatvian{Att^^^@0113lu saraksts}}%
9168 \def\sltttitle{\locallatvian{Tabulu saraksts}}%
9169 </latvian>
    
```

**13.108 “Latvian2” language: latvian2.mld**

The titles for the “latvian2” language come from the `latvian.ldf` file (by Andris Lasis and Ivars Driķis) at <http://home.lanet.lv/~drikis/TeX/2e/latvian.ldf>. See also section 13.107 on page 570.

```

9170 <*\latvian2>
9171 \ProvidesFile{latvian2.mld}[2007/06/05]%
9172 % Andris Lasis (andris_lisis@simms.lv) Ivars Driķis (drikis@lanet.lv)
9173 % http://home.lanet.lv/~drikis/TeX/2e/latvian.ldf
9174 \def\ptctitle{Saturdays}%
9175 \def\plftitle{Att\= elu r\= ad\={\i}t\= ajs}%
9176 \def\pltttitle{Tabulu r\= ad\={\i}t\= ajs}%
9177 \def\mtctitle{Saturdays}%
9178 \def\mlftitle{Att\= elu r\= ad\={\i}t\= ajs}%
9179 \def\mltttitle{Tabulu r\= ad\={\i}t\= ajs}%
9180 \def\stctitle{Saturdays}%
9181 \def\slftitle{Att\= elu r\= ad\={\i}t\= ajs}%
9182 \def\sltttitle{Tabulu r\= ad\={\i}t\= ajs}%
9183 </\latvian2>

```

**13.109 “Letton” language: letton.mld**

`\mtcselectlanguage` The “letton” language is a synonym for the “latvian” language, so we just load `latvian.mld`. See section 13.107 on page 570.

```

9184 <*\letton>
9185 \ProvidesFile{letton.mld}[2005/02/08]\mtcselectlanguage{latvian}%
9186 </\letton>

```

**13.110 “Letton2” language: letton2.mld**

`\mtcselectlanguage` The “letton2” language is a synonym for the “latvian2” language, so we just load `latvian2.mld`. See section 13.108.

```

9187 <*\letton2>
9188 \ProvidesFile{letton2.mld}[2007/06/05]\mtcselectlanguage{latvian2}%
9189 </\letton2>

```

### 13.111 “Lithuanian” language: lithuanian.mld

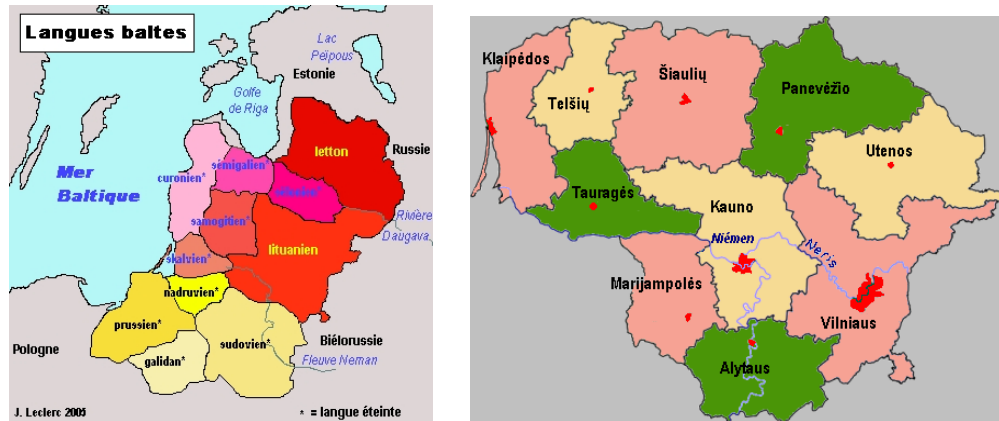


Figure 13.95: Baltic languages and Lithuania ([http://www.tlfq.ulaval.ca/axl/monde/langues\\_baltes.htm](http://www.tlfq.ulaval.ca/axl/monde/langues_baltes.htm) and <http://www.tlfq.ulaval.ca/axl/europe/lituaniecarte.htm> in [294]; see also <http://samogitia.mch.mii.lt/KALBA/girdstr.en.htm> by Aleksas Stanislovas GIRDENIS; note that estonian is *not* a baltic language, but a language from the uralian family.)



The titles for the “lithuanian” language (*lietuvių kalba*) are taken from the `lithuanian.ldf` file<sup>33</sup> (by Sigitas TOLUŠIS) for the babel package [60, 61]. See also section 13.112.

```

9190 (*lithuanian)
9191 \ProvidesFile{lithuanian.mld}[2007/12/04]%
9192 %% Lithuanian titles from lithuanian.ldf
9193 %% in http://www.vtex.lt/tex/download/zip/babel.zip
9194 %% by Tolusis, Sigitas (sigitas@vtex.lt)
9195 \def\ptctitle{Turiny}%
9196 \def\plftitle{Paveiksl\protect\k u s\protect\k ara\protect\v sas}%
9197 \def\plttitle{Lentel\protect.es}%
9198 \def\mtctitle{Turiny}%
9199 \def\mlftitle{Paveiksl\protect\k u s\protect\k ara\protect\v sas}%
9200 \def\mlttitle{Lentel\protect.es}%
9201 \def\stctitle{Turiny}%
9202 \def\slftitle{Paveiksl\protect\k u s\protect\k ara\protect\v sas}%
9203 \def\slttitle{Lentel\protect.es}%
9204 \lithuanian

```

### 13.112 “Lithuanian2” language: lithuanian2.mld

The titles for the “lithuanian2” language (variant) are taken from the `lithuanian.ldf` file, found in <http://www.vtex.lt/tex/litex/litex-20070713.tar.gz>, (by Sigitas TOLUŠIS) for the babel package [60, 61]. See also section 13.111. The L7x encoding and the Latin Modern fonts are needed.

<sup>33</sup> Found in <http://www.vtex.lt/tex/download/zip/babel.zip>.

```

9205 (*lithuanian2)
9206 \ProvidesFile{lithuanian2.mld}[2007/12/04]%
9207 %% Lithuanian titles (variant) from lithuanian.ldf
9208 %% in http://www.vtex.lt/tex/littex/littex-20060928.tar.gz
9209 %% by Tolusis, Sigitas (sigitas@vtex.lt)
9210 \def\ptctitle{Turinys}%
9211 \def\plftitle{Iliustracij\k{u} s\k{a}ra\v{s}as}%
9212 \def\plttitle{Lenteli\k{u} s\k{a}ra\v{s}}%
9213 \def\mtctitle{Turinys}%
9214 \def\mlftitle{Iliustracij\k{u} s\k{a}ra\v{s}as}%
9215 \def\mlttitle{Lenteli\k{u} s\k{a}ra\v{s}}%
9216 \def\stctitle{Turinys}%
9217 \def\slftitle{Iliustracij\k{u} s\k{a}ra\v{s}as}%
9218 \def\slttitle{Lenteli\k{u} s\k{a}ra\v{s}}%
9219 </lithuanian2>

```

### 13.113 “Lowersorbian” language: lowersorbian.mld



The titles for the “Lowersorbian” language<sup>34</sup> (*dolnosorbiski, dolnoservščina*) are taken from the `lsorbian.dtx` file (by Eduard WERNER) in the `babel` package [60, 61, 99]. See also section 13.184 on page 635. A shorter language name is `lsorbian` (see section 13.114).

```

9220 (*lowersorbian)
9221 \ProvidesFile{lowersorbian.mld}[2006/02/28]%
9222 %% Lower sorbian titles from lsorbian.dtx (babel) by Werner, Eduard
9223 \def\ptctitle{Wop\`simje\`se}%
9224 \def\plftitle{Zapis wobrazow}%
9225 \def\plttitle{Zapis tabulkow}%
9226 \def\mtctitle{Wop\`simje\`se}%
9227 \def\mlftitle{Zapis wobrazow}%
9228 \def\mlttitle{Zapis tabulkow}%
9229 \def\stctitle{Wop\`simje\`se}%
9230 \def\slftitle{Zapis wobrazow}%
9231 \def\slttitle{Zapis tabulkow}%
9232 </lowersorbian>

```

### 13.114 “Lsorbian” language: lsorbian.mld

`\mtcselectlanguage` The “Lsorbian” language is a synonym for “Lowersorbian”, so we just need to load `lowersorbian.mld`. See section 13.113.

<sup>34</sup>Lower sorbian. Sorbian, or wendisch, is a member of the west slavic subgroup of indo-european languages spoken in Lower Lusatia in the german *länder* of Saxony and Brandenburg. The Sorbs are descendants of the Wends, the german name for the slavic tribes who occupied the area between the Elbe and Saale rivers in the west and the Odra (Oder) river in the east during the medieval period (vi-th century). See figures 13.96 to 13.98 on pages 575–577.

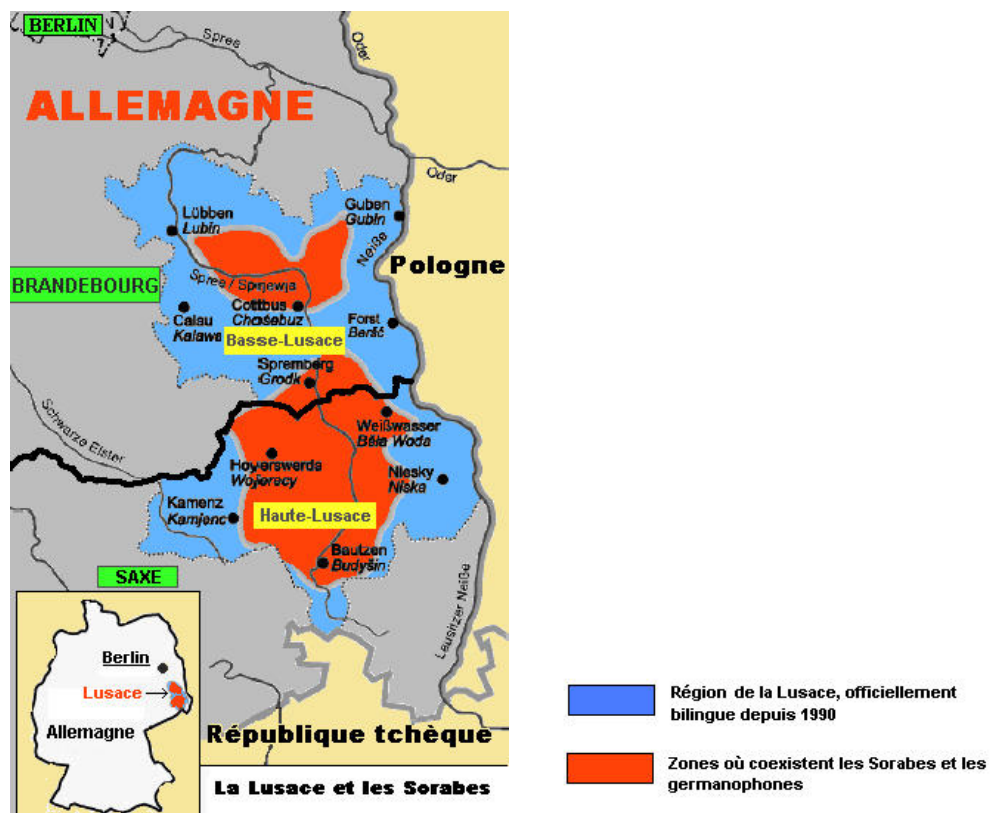


Figure 13.96: Lusace and the Sorbians ([http://www.tlfq.ulaval.ca/axl/europe/allemande\\_sorabe.htm](http://www.tlfq.ulaval.ca/axl/europe/allemande_sorabe.htm) in [294])

```

9233 (*lsorbian)
9234 \ProvidesFile{lsorbian.mld}[2007/12/04]\mtcselectlanguage{lowersorbian}%
9235 \end{lsorbian}

```

### 13.115 “Magyar” language: magyar.mld



The titles for the “magyar” language are taken from the magyar.dtx (by József BÉRCES and Árpád BÍRÓ, with help from Attila KOPpanyi) file in the babel package [60, 61, 66]. A synonym of “magyar” is “hungarian” (see section 13.87 on page 559). See also sections 13.116 to 13.117 on page 578 for variants.

```

9236 (*magyar)
9237 \ProvidesFile{magyar.mld}[2006/03/08]%
9238 % Magyar titles from magyar.dtx (babel). BÍró, Árpád & BÉrces, József
9239 \def\ptctitle{Tartalom}%
9240 \def\plftitle{\'Abr\'ak}%
9241 \def\pltttitle{T\'abl\'azatok}%

```



Figure 13.97: Sorbian dialects areas (<http://www.people.ex.ac.uk/pjoyce/dialects/sorbisch.html> (University of Exeter), <http://www.mdr.de/sorbisches-programm/rundfunk/1913590.html>, <http://www.mdr.de/1/1940181.gif>; Niedersorbisch: lower sorbian, Übergangsdialekte: transitional dialects, Obersorbisch: upper sorbian.)



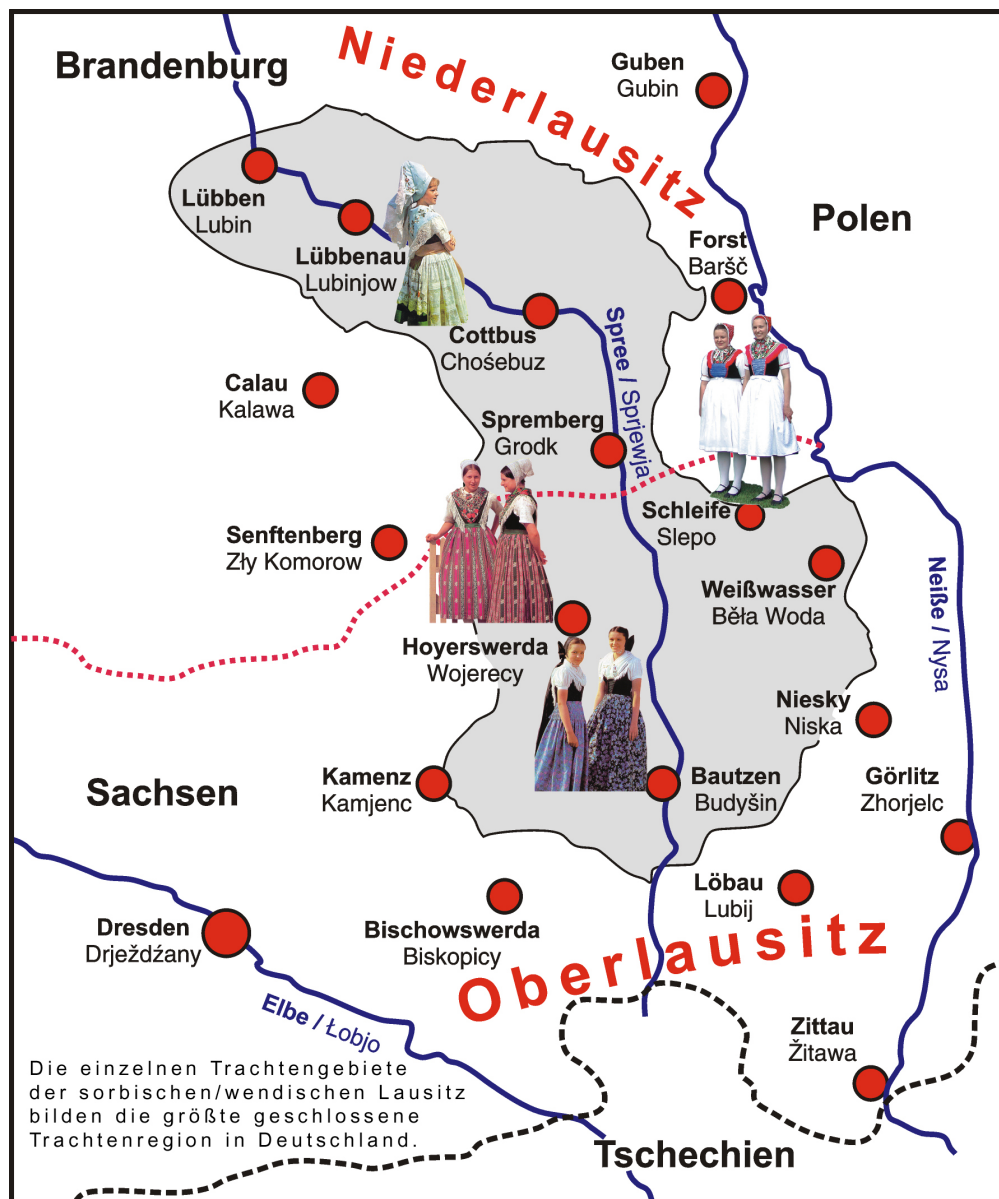


Figure 13.98: Sorbs (<http://en.wikipedia.org/wiki/Sorbs>)

```

9242 \def\mctitle{Tartalom}%
9243 \def\mlftitle{\'Abr\'ak}%
9244 \def\mltttitle{T\'abl\'azatok}%
9245 \def\stctitle{Tartalom}%
9246 \def\slftitle{\'Abr\'ak}%
9247 \def\sltttitle{T\'abl\'azatok}%
9248 \end{magyar}

```

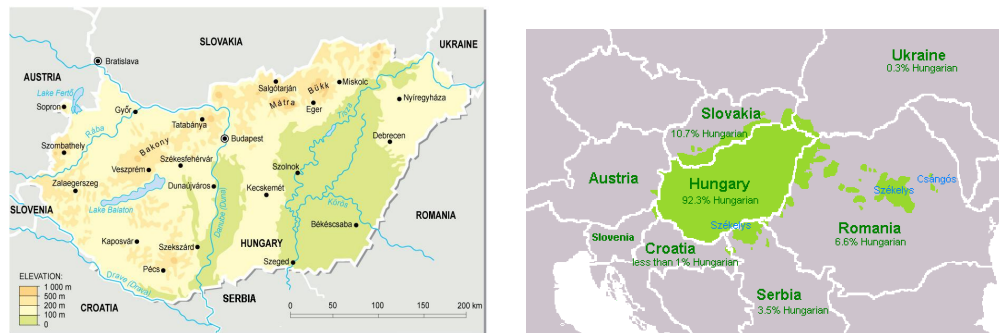


Figure 13.99: Hungaria and magyar speaking areas (<http://en.wikipedia.org/wiki/Hungaria> and [http://en.wikipedia.org/wiki/Hungary\\_Language](http://en.wikipedia.org/wiki/Hungary_Language); the magyar language is also spoken in some regions in Romania, Slovakia, Serbia-Voivodina and Ukraine)

### 13.116 “Magyar2” language: magyar2.mld

The titles for the “magyar2” language are taken from a variant proposed in the magyar.dtx file of the babel package [60, 61] (by József BÉRCES, Árpád BÍRÓ, and Attila KOPPANYI). See also sections 13.115 on page 575 and 13.117.

```

9249 ⟨*magyar2⟩
9250 \ProvidesFile{magyar2.mld}[2008/04/03]%
9251 %% Magyar2 titles (variant) from magyar.dtx (babel).
9252 %% BÍRÓ, Árpád & BÉRCES, József
9253 \def\ptctitle{Tartalom}%
9254 \def\plftitle{\`Abr\`ak list\`aja}%
9255 \def\pltttitle{T\`abl\`azatok list\`aja}%
9256 \def\mtctitle{Tartalom}%
9257 \def\mlftitle{\`Abr\`ak list\`aja}%
9258 \def\mltttitle{T\`abl\`azatok list\`aja}%
9259 \def\stctitle{Tartalom}%
9260 \def\slftitle{\`Abr\`ak list\`aja}%
9261 \def\sltttitle{T\`abl\`azatok list\`aja}%
9262 ⟨/magyar2⟩

```

### 13.117 “Magyar3” language: magyar3.mld

The titles for the “magyar3” language (third variant of magyar) are taken from the magyar.dtx file (by József BÉRCES, Árpád BÍRÓ, and Attila KOPPANYI) in the babel package [60, 61, 66]<sup>35</sup>. See also sections 13.115 to 13.116 on pages 575–578.

```

9263 ⟨*magyar3⟩
9264 \ProvidesFile{magyar3.mld}[2006/03/08]%

```

<sup>35</sup>The situation of the magyar language in the babel package is not clear; some experimental versions exist.

```

9265 % Magyar3 titles (variant) from magyar.dtx (babel).
9266 % Bíró, Árpád & Bérces, József
9267 \def\ptctitle{Tartalomjegyz\`ek}%
9268 \def\plftitle{\`Abr\`ak jegyz\`eke}%
9269 \def\pltttitle{T\`abl\`azatok jegyz\`eke}%
9270 \def\mtctitle{Tartalomjegyz\`ek}%
9271 \def\mlftitle{\`Abr\`ak jegyz\`eke}%
9272 \def\mltttitle{T\`abl\`azatok jegyz\`eke}%
9273 \def\stctitle{Tartalomjegyz\`ek}%
9274 \def\slftitle{\`Abr\`ak jegyz\`eke}%
9275 \def\sltttitle{T\`abl\`azatok jegyz\`eke}%
9276 </magyar3>

```

### 13.118 “Malay” language: malay.mld

`\mtcselectlanguage` The “malay” language is just like “bahasam”, so we just load bahasam.mld (see section 13.17 on page 493):

```

9277 < *malay >
9278 \ProvidesFile{malay.mld}[2006/01/11]\mtcselectlanguage{bahasam}%
9279 </malay >

```

### 13.119 “Malayalam-b” language: malayalam-b.mld

`\mm` The titles for the “malayalam-b” language are taken from the malayalam package [4]  
`\X` by A.J. ALEX. The Malayalam language is spoken from the western coast of Malabar to  
`\<>` the extreme southern India, mainly in the Kerala state. It is one of the dravidian languages strongly bound to the Tamil language. The alphabet and the script are dated from the 8th or 9th centuries. This language option requires specific fonts (depending on the option of the malayalam package). It should be used with the following options of the malayalam package<sup>36</sup>: aathira, ambili, anahka, ashtamudi, aswathi, ayilyambold, bhanu, bhavana, chippi, gauri, gopika, indulekha, ISMashtamudi, ISMkarthika, ISMkaumudi, ISMrevathi, jaya, karthika, kaumudi, kottakkal, makam, malavika mridula, payippad, periyar, ravivarma, revathi, sabari, sarada, sruthy, and triruvathira. See also sections 13.120 to 13.126 on pages 580–583.



```

9280 < *malayalam - b >
9281 \ProvidesFile{malayalam-b.mld}[2007/12/04]%
9282 \def\ptctitle{\mm \X{\<68>}\X{\<197>}\X{\<83>}\X{\<161>}\<119>}%
9283 \def\plftitle{\mm \X{\<78>\<110>}\X{\<123>\<88>}\X{\<167>}\X{\<196>}}%
9284 \def\pltttitle{\mm \X{\<116>\<83>}\X{\<95>\<110>}\X{\<102>\<112>}\X{\<73>}\X{\<196>}}%
9285 \def\mtctitle{\mm \X{\<68>}\X{\<197>}\X{\<83>}\X{\<161>}\<119>}%
9286 \def\mlftitle{\mm \X{\<78>\<110>}\X{\<123>\<88>}\X{\<167>}\X{\<196>}}%

```

<sup>36</sup>There is a great variety of fonts for malayalam; hence I have attempted to limit the number of .mld files.

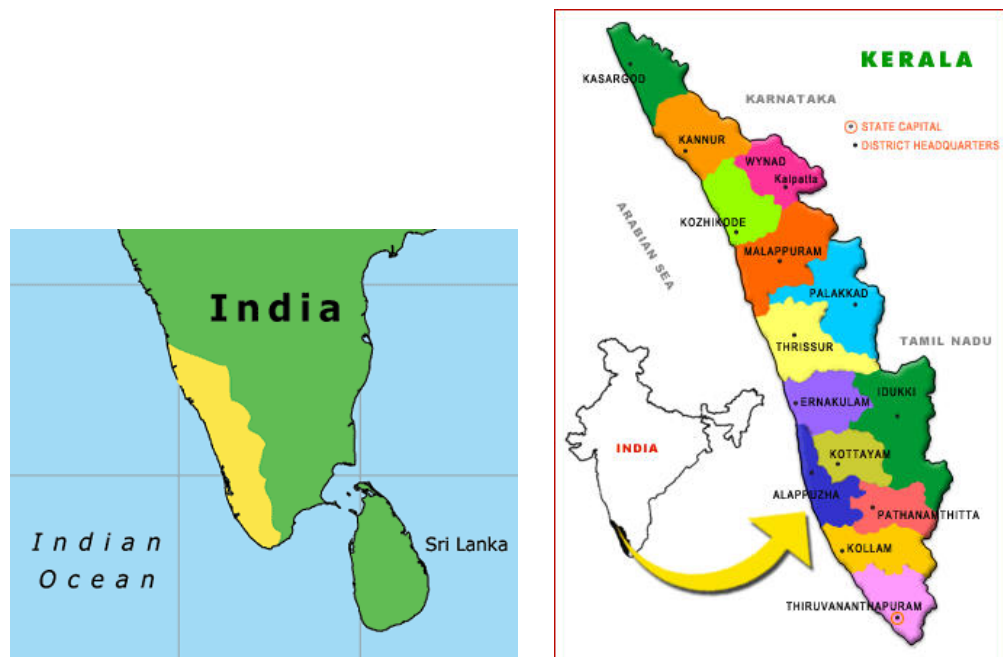


Figure 13.100: Malayalam language areas (<http://www.lmp.ucla.edu/Profile.aspx?LangID=92&menu=004> in [229] and <http://keralalife.com/>)

```

9287 \def\mltttitle{\mm \X{\<116>\<83>}\X{\<95>\<110>}\X{\<102>\<112>}\X{\<73>}\X{\<196>}}%
9288 \def\stctitle{\mm \X{\<68>}\X{\<197>}\X{\<83>}\X{\<161>}\<119>}}%
9289 \def\slftitle{\mm \X{\<78>\<110>}\X{\<123>\<88>}\X{\<167>}\X{\<196>}}%
9290 \def\sltttitle{\mm \X{\<116>\<83>}\X{\<95>\<110>}\X{\<102>\<112>}\X{\<73>}\X{\<196>}}%
9291 \</malayalam – b)

```

### 13.120 “Malayalam-keli” language: malayalam-keli.mld

\mm The titles for the “malayalam-keli” language, with the “Keli” fonts, are taken from the  
\X malayalam package [4] by A.J. ALEX. This language requires specific fonts. See also  
\<> sections 13.119 on the preceding page and 13.121 to 13.126 on pages 581–583.

```

9292 (*malayalam – keli)
9293 \ProvidesFile{malayalam-keli.mld}[2006/01/13]%
9294 % Malayalam: Keli fonts
9295 \def\ptctitle{\mm \X{\<68>}\X{\<197>}\X{\<83>}\X{\<161>}\<119>}}%
9296 \def\plftitle{\mm \X{\<78>\<110>}\X{\<123>\<88>}\X{\<167>}\X{\<196>}}%
9297 \def\pltttitle{\mm \X{\<116>\<83>}\X{\<95>\<110>}\X{\<102>\<112>}\X{\<73>}\X{\<196>}}%
9298 \def\mtctitle{\mm \X{\<68>}\X{\<197>}\X{\<83>}\X{\<161>}\<119>}}%
9299 \def\mlftitle{\mm \X{\<78>\<110>}\X{\<123>\<88>}\X{\<167>}\X{\<196>}}%
9300 \def\mltttitle{\mm \X{\<116>\<83>}\X{\<95>\<110>}\X{\<102>\<112>}\X{\<73>}\X{\<196>}}%
9301 \def\stctitle{\mm \X{\<68>}\X{\<197>}\X{\<83>}\X{\<161>}\<119>}}%

```

```

9302 \def\slftitle{\mm \X{\<78>\<110>}\X{\<123>\<88>}\X{\<167>}\X{\<196>}}%
9303 \def\sltttitle{\mm \X{\<116>\<83>}\X{\<95>\<110>}\X{\<102>\<112>}\X{\<73>}\X{\<196>}}%
9304 </malayalam – keli>

```

### 13.121 “Malayalam-keli2” language: malayalam-keli2.mld

\mm The titles for the “malayalam-keli2” language are taken from the malayalam package [4] by  
 \X A.J. ALEX. This language requires specific fonts (keli second variant). See also sections 13.119  
 \<> to 13.120 on pages 579–580 and 13.122 to 13.126 on pages 581–583.

```

9305 (*malayalam – keli2)
9306 \ProvidesFile{malayalam-keli2.mld}[2007/12/04]%
9307 % Keli fonts (mkl)
9308 \def\ptctitle{\mm \X{\<68>}\X{\<197>}\X{\<83>}\X{\<161>}\<119>}}%
9309 \def\plftitle{\mm \X{\<78>\<111>}\X{\<125>\<88>}\X{\<186>}\X{\<179>}}%
9310 \def\pltttitle{\mm \X{\<116>\<83>}\X{\<95>\<110>}\X{\<102>\<112>}\X{\<73>}\X{\<196>}}%
9311 \def\mtctitle{\mm \X{\<68>}\X{\<197>}\X{\<83>}\X{\<161>}\<119>}}%
9312 \def\mlftitle{\mm \X{\<78>\<111>}\X{\<125>\<88>}\X{\<186>}\X{\<179>}}%
9313 \def\mltttitle{\mm \X{\<116>\<83>}\X{\<95>\<110>}\X{\<102>\<112>}\X{\<73>}\X{\<196>}}%
9314 \def\stctitle{\mm \X{\<68>}\X{\<197>}\X{\<83>}\X{\<161>}\<119>}}%
9315 \def\slftitle{\mm \X{\<78>\<111>}\X{\<125>\<88>}\X{\<186>}\X{\<179>}}%
9316 \def\sltttitle{\mm \X{\<116>\<83>}\X{\<95>\<110>}\X{\<102>\<112>}\X{\<73>}\X{\<196>}}%
9317 </malayalam – keli2>

```

### 13.122 “Malayalam-mr” language: malayalam-mr.mld

\mm The titles for the “malayalam-mr” language are taken from the malayalam package [4] by  
 \X A.J. ALEX. This language requires specific fonts (traditional rachana). See also sections 13.119  
 \<> to 13.121 on pages 579–581 and 13.123 to 13.126 on pages 582–583.

```

9318 (*malayalam – mr)
9319 \ProvidesFile{malayalam-mr.mld}[2007/12/04]%
9320 % mr fonts (rachana: mr1,...,mr6)
9321 \def\ptctitle{\mm \X{\<68>}\X{\<201>}\X{\<83>}\X{\<183>}\<119>}}%
9322 \def\plftitle{\mm \X{\<78>\<111>}\X{\<125>\<88>}\X{\<186>}\X{\<179>}}%
9323 \def\pltttitle{\mm \X{\<117>\<83>}\X{\<95>\<111>}\X{\<106>\<113>}\X{\<73>}\X{\<179>}}%
9324 \def\mtctitle{\mm \X{\<68>}\X{\<201>}\X{\<83>}\X{\<183>}\<119>}}%
9325 \def\mlftitle{\mm \X{\<78>\<111>}\X{\<125>\<88>}\X{\<186>}\X{\<179>}}%
9326 \def\mltttitle{\mm \X{\<117>\<83>}\X{\<95>\<111>}\X{\<106>\<113>}\X{\<73>}\X{\<179>}}%
9327 \def\stctitle{\mm \X{\<68>}\X{\<201>}\X{\<83>}\X{\<183>}\<119>}}%
9328 \def\slftitle{\mm \X{\<78>\<111>}\X{\<125>\<88>}\X{\<186>}\X{\<179>}}%
9329 \def\sltttitle{\mm \X{\<117>\<83>}\X{\<95>\<111>}\X{\<106>\<113>}\X{\<73>}\X{\<179>}}%
9330 </malayalam – mr>

```

### 13.123 “Malayalam-omega” language: malayalam-omega.ml[d|o]

`\mtcloadmlo` This is the Malayalam language implementation “malayalam-omega” based on *Lambda* ( $\Lambda$ ) (the version of  $\text{\LaTeX}$  for Omega) via the `omal` package [5] (by A.J. ALEX) of the Malayalam-Omega project<sup>37</sup>. As the titles contain characters in a special encoding, we must load a `.mlo` file. A lot of fonts are available via options of the `omal` package. See also sections 13.119 to 13.122 on pages 579–581 and 13.124 to 13.126 on pages 582–583.

```
9331 (*malayalam – omega)
9332 \ProvidesFile{malayalam-omega.mld}[2007/12/04]\mtcloadmlo{malayalam-omega}%
9333 %% from omal.sty (Alex A.J. indicTeX@gmail.com)
9334 (/malayalam – omega)
```

### 13.124 “Malayalam-rachana” language: malayalam-rachana.mld

`\mm` The titles for the “malayalam-rachana” language, with the traditional “Rachana” fonts (old `\X` lipi), are taken from the `malayalam` package [4] by A.J. ALEX. This language requires specific `\C` fonts. See also sections 13.119 to 13.123 on pages 579–582 and 13.125 to 13.126 on the next `\F` page.

```
\<
9335 (*malayalam – rachana)
9336 \ProvidesFile{malayalam-rachana.mld}[2005/06/07]%
9337 %% Malayalam: Rachana fonts, traditionnal.
9338 \def\ptctitle{\mm \X{<68>}\X{<201>}\X{<83>}\X{<183>}\<119>}%
9339 \def\plftitle{\mm \X{<78>}\<111>}\X{\C<94>}\X{<186>}\X{<179>}}%
9340 \def\plttitle{\mm \X{<117>}\<83>}\X{<95>}\<111>}\X{\F<59>}\X{<73>}\X{<179>}}%
9341 \def\mtctitle{\mm \X{<68>}\X{<201>}\X{<83>}\X{<183>}\<119>}%
9342 \def\mlftitle{\mm \X{<78>}\<111>}\X{\C<94>}\X{<186>}\X{<179>}}%
9343 \def\mlttitle{\mm \X{<117>}\<83>}\X{<95>}\<111>}\X{\F<59>}\X{<73>}\X{<179>}}%
9344 \def\stctitle{\mm \X{<68>}\X{<201>}\X{<83>}\X{<183>}\<119>}%
9345 \def\slftitle{\mm \X{<78>}\<111>}\X{\C<94>}\X{<186>}\X{<179>}}%
9346 \def\slttitle{\mm \X{<117>}\<83>}\X{<95>}\<111>}\X{\F<59>}\X{<73>}\X{<179>}}%
9347 (/malayalam – rachana)
```

<sup>37</sup> <http://Sarovar.org/projects/malayalam>

### 13.125 “Malayalam-rachana2” language: malayalam-rachana2.mld

\mm The titles for the “malayalam-rachana2” language, with the reformed “Rachana” fonts (new  
\X lipi), are taken from the malayalam package [4] by A.J. ALEX. This language requires specific  
\< fonts. See also sections 13.119 to 13.124 on pages 579–582 and 13.126.

```

9348 (*malayalam – rachana2)
9349 \ProvidesFile{malayalam-rachana2.mld}[2006/01/13]% %% Malayalam: Rachana fonts, reformed.
9350 \def\ptctitle{\mm \X{<68>}\X{<201>}\X{<83>}\X{<183>}\<119>}%
9351 \def\plftitle{\mm \X{<78>}\<111>}\X{<125>}\<88>}\X{<186>}\X{<179>}}%
9352 \def\pltttitle{\mm \X{<117>}\<83>}\X{<95>}\<111>}\X{<106>}\<113>}\X{<73>}\X{<179>}}%
9353 \def\mtctitle{\mm \X{<68>}\X{<201>}\X{<83>}\X{<183>}\<119>}%
9354 \def\mlftitle{\mm \X{<78>}\<111>}\X{<125>}\<88>}\X{<186>}\X{<179>}}%
9355 \def\mltttitle{\mm \X{<117>}\<83>}\X{<95>}\<111>}\X{<106>}\<113>}\X{<73>}\X{<179>}}%
9356 \def\stctitle{\mm \X{<68>}\X{<201>}\X{<83>}\X{<183>}\<119>}%
9357 \def\slftitle{\mm \X{<78>}\<111>}\X{<125>}\<88>}\X{<186>}\X{<179>}}%
9358 \def\sltttitle{\mm \X{<117>}\<83>}\X{<95>}\<111>}\X{<106>}\<113>}\X{<73>}\X{<179>}}%
9359 \</malayalam – rachana2)

```

### 13.126 “Malayalam-rachana3” language: malayalam-rachana3.mld

\mm The titles for the “malayalam-rachana3” language are taken from the malayalam pack-  
\X age [4] by A.J. ALEX. This language requires specific fonts (rachana). See also sections 13.119  
\< to 13.125 on pages 579–583.

\C

```

\F 9360 (*malayalam – rachana3)
9361 \ProvidesFile{malayalam-rachana3.mld}[2007/12/04]% % Rachana fonts (mr2,...,mr6)
9362 \def\ptctitle{\mm \X{<68>}\X{<201>}\X{<83>}\X{<183>}\<119>}%
9363 \def\plftitle{\mm \X{<78>}\<111>}\X{<C<94>}}\X{<186>}\X{<179>}}%
9364 \def\pltttitle{\mm \X{<117>}\<83>}\X{<95>}\<111>}\X{<F<59>}}\X{<73>}\X{<179>}}%
9365 \def\mtctitle{\mm \X{<68>}\X{<201>}\X{<83>}\X{<183>}\<119>}%
9366 \def\mlftitle{\mm \X{<78>}\<111>}\X{<C<94>}}\X{<186>}\X{<179>}}%
9367 \def\mltttitle{\mm \X{<117>}\<83>}\X{<95>}\<111>}\X{<F<59>}}\X{<73>}\X{<179>}}%
9368 \def\stctitle{\mm \X{<68>}\X{<201>}\X{<83>}\X{<183>}\<119>}%
9369 \def\slftitle{\mm \X{<78>}\<111>}\X{<C<94>}}\X{<186>}\X{<179>}}%
9370 \def\sltttitle{\mm \X{<117>}\<83>}\X{<95>}\<111>}\X{<F<59>}}\X{<73>}\X{<179>}}%
9371 \</malayalam – rachana3)

```

### 13.127 “Manju” language: manju.mld

`\mtcselectlanguage` The “manju” language is a synonym for “bithe”, so we just load `bithe.mld` (see section 13.24 on page 497):

```
9372 (*manju)
9373 \ProvidesFile{manju.mld}[2005/11/16]\mtcselectlanguage{bithe}%
9374 </manju>
```

### 13.128 “Mexican” language: mexican.mld



The titles for the “mexican” language (*español mexicano*) are taken from the `mexican.ldf` file (by Luis RIVERA) in <http://www.dante.de/tex-archive/language/spanish/nonstandard/mx/>. Mexican is a spanish (castillan) dialect. The title of the parttocs is shorter for articles. See also section 13.172 on page 623. See figures 13.101 to 13.102 on the next page.

```
9375 (*mexican)
9376 \ProvidesFile{mexican.mld}[2008/04/03]%
9377 %% Spanish titles (from mexican.ldf) Rivera, Luis (jlrn77@gmail.com)
9378 \expandafter\ifx\csname chapter\endcsname\relax
9379 \def\ptctitle{\'Indice} \else \def\ptctitle{\'Indice general} \fi % <----
9380 \def\plftitle{\'Indice de figuras}%
9381 \def\pltttitle{\'Indice de tablas}%
9382 \def\mtctitle{\'Indice}%
9383 \def\mlftitle{\'Indice de figuras}%
9384 \def\mltttitle{\'Indice de tablas}%
9385 \def\stctitle{\'Indice}%
9386 \def\slftitle{\'Indice de figuras}%
9387 \def\sltttitle{\'Indice de tablas}%
9388 </mexican>
```

### 13.129 “Meyalu” language: meyalu.mld

`\mtcselectlanguage` The “meyalu” language is just like “bahasam”, so we just load `bahasam.mld` (see section 13.17 on page 493):

```
9389 (*meyalu)
9390 \ProvidesFile{meyalu.mld}[2006/01/13]\mtcselectlanguage{bahasam}%
9391 </meyalu>
```





Figure 13.101: México (<http://es.wikipedia.org/wiki/Mexico>)

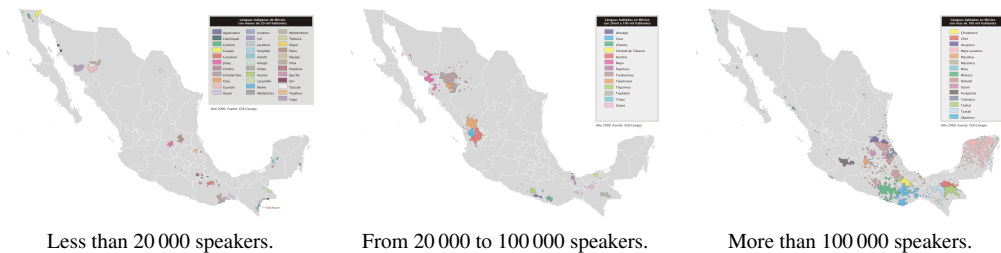


Figure 13.102: Indigenous languages of México ([http://en.wikipedia.org/wiki/Languages\\_of\\_Mexico](http://en.wikipedia.org/wiki/Languages_of_Mexico))

### 13.130 “Mongol” language: mongol.mld



The titles for the “mongol” language are taken from the MonTeX package [137, 140] (by Oliver CORFF and Dorjpalam DORJ). This language requires specific fonts. See also sections 13.21 to 13.24 on pages 496–497, 13.31 to 13.32 on pages 504–505, and 13.190 to 13.192 on pages 639–641.



Figure 13.103: Mongol language areas (<http://www.lmp.ucla.edu/Profile.aspx?LangID=79&menu=004> in [229])



Figure 13.104: Linguistic map of the mongol language ([http://www.lexilogos.com/mongol\\_dictionnaire.htm](http://www.lexilogos.com/mongol_dictionnaire.htm))

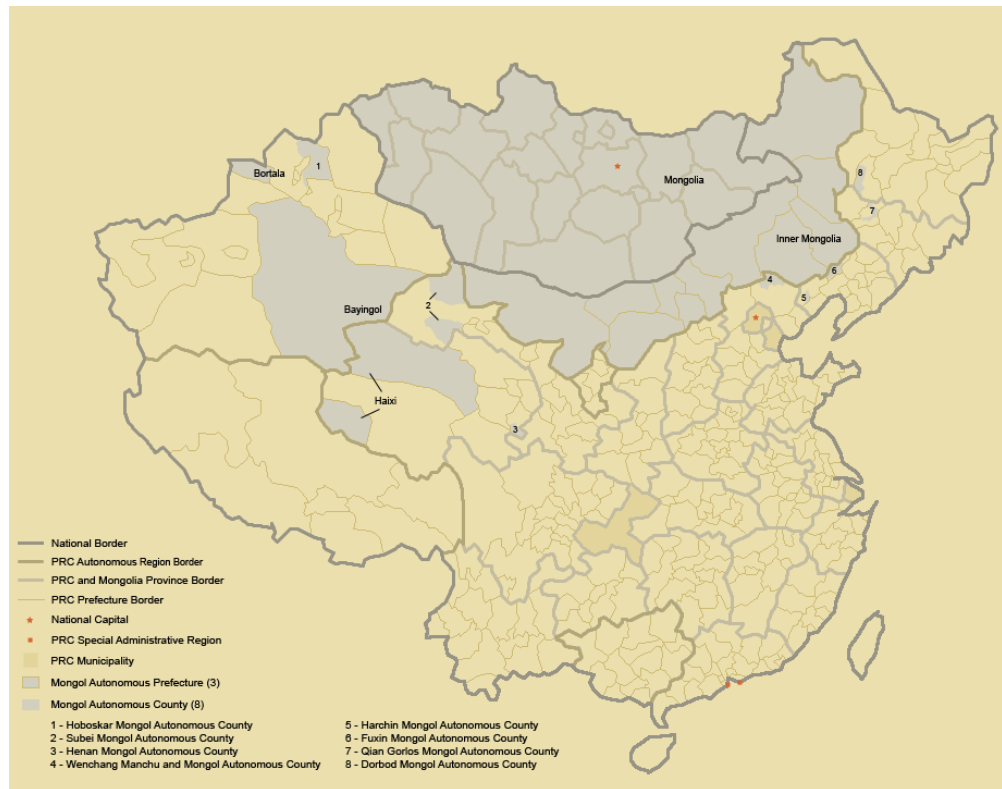


Figure 13.105: Mongolia and Mongol autonomous regions in the People's Republic of China (PRC) (<http://en.wikipedia.org/wiki/Mongol>, see also <http://www.tfq.ulaval.ca/axl/asia/chine-region-auto-Mongolie.htm> in [294])

```

9392 <{*mongol}
9393 \ProvidesFile{mongol.mld}[1999/03/16]%
9394 % Mongol (xalx) titles. Needs mongol fonts
9395 \def\ptctitle{{\mnr Garqig}}%
9396 \def\plftitle{{\mnr Zurgi"in jagsaalt}}%
9397 \def\plttitle{{\mnr X"usn"agti"in jagsaalt}}%
9398 \def\mtctitle{{\mnr Garqig}}%
9399 \def\mlftitle{{\mnr Zurgi"in jagsaalt}}%
9400 \def\mlttitle{{\mnr X"usn"agti"in jagsaalt}}%
9401 \def\stctitle{{\mnr Garqig}}%
9402 \def\slftitle{{\mnr Zurgi"in jagsaalt}}%
9403 \def\slttitle{{\mnr X"usn"agti"in jagsaalt}}%
9404 </mongol>

```

## 13.131 “Mongolb” language: mongolb.mld

МОНГОЛ



This is an other variant for the mongolian titles, taken from the mongolian.dtx file [26] (by Dorjgotov БАТМУНКХ) for the babel package [60, 61] (hence the final “b” in “mongolb”).

`\cyr` The titles for the “mongolb” language use cyrillic characters and the X2 and T2 encodings and are derived from the russianb.dtx file (by Olga G. ЛАРКО, Vladimir VOLOVICH and Werner LEMBERG).

```

9405 (*mongolb)
9406 \ProvidesFile{mongolb.mld}[2007/01/29]%
9407 %% Mongolian titles from mongolian.dtx for the babel package
9408 %% Dorjgotov Batmunkh (batmunkh@num.edu.mn)
9409 %% Needs some cyrillic fonts and special cyrillic encoding T2 and X2.
9410 %% Vladimir Volovich (TeX@vuv.vsu.ru) & Werner Lemberg (wl@gnu.org)
9411 \expandafter\ifx\cename chapter\endcsname\relax
9412 \def\ptctitle{\cyr\CYRA\cyrg\cyru\cyru\cyrl\cyrg\cyra}}\relax%
9413 \else\relax
9414 \def\ptctitle{\cyr\CYRG\cyra\cyrr\cyrch\cyri\cyrg}}\relax%
9415 \fi
9416 \def\plftitle{\cyr\CYZ\cyru\cyrr\cyrg\cyri\cyrishrt\cyrn
9417 \ \cyrz\cyra\cyrg\cyrs\cyra\cyra\cyrl\cyrt}}%
9418 \def\plttitle{\cyr\CYRH\cyry\cyrs\cyrn\cyrerev\cyrg\cyrt\cyri\cyrishrt\cyrn
9419 \ \cyrz\cyra\cyrg\cyrs\cyra\cyra\cyrl\cyrt}}%
9420 \expandafter\ifx\cename chapter\endcsname\relax
9421 \def\mtctitle{\cyr\CYRA\cyrg\cyru\cyru\cyrl\cyrg\cyra}}\relax%
9422 \else\relax
9423 \def\mtctitle{\cyr\CYRG\cyra\cyrr\cyrch\cyri\cyrg}}\relax%
9424 \fi
9425 \def\mlftitle{\cyr\CYZ\cyru\cyrr\cyrg\cyri\cyrishrt\cyrn
9426 \ \cyrz\cyra\cyrg\cyrs\cyra\cyra\cyrl\cyrt}}%
9427 \def\mlttitle{\cyr\CYRH\cyry\cyrs\cyrn\cyrerev\cyrg\cyrt\cyri\cyrishrt\cyrn
9428 \ \cyrz\cyra\cyrg\cyrs\cyra\cyra\cyrl\cyrt}}%
9429 \expandafter\ifx\cename chapter\endcsname\relax
9430 \def\stctitle{\cyr\CYRA\cyrg\cyru\cyru\cyrl\cyrg\cyra}}\relax%
9431 \else\relax
9432 \def\stctitle{\cyr\CYRG\cyra\cyrr\cyrch\cyri\cyrg}}\relax%
9433 \fi
9434 \def\slftitle{\cyr\CYZ\cyru\cyrr\cyrg\cyri\cyrishrt\cyrn
9435 \ \cyrz\cyra\cyrg\cyrs\cyra\cyra\cyrl\cyrt}}%
9436 \def\slttitle{\cyr\CYRH\cyry\cyrs\cyrn\cyrerev\cyrg\cyrt\cyri\cyrishrt\cyrn
9437 \ \cyrz\cyra\cyrg\cyrs\cyra\cyra\cyrl\cyrt}}%
9438 </mongolb>

```

## 13.132 “Mongolian” language: mongolian.mld

`\mtcselectlanguage` This is an other name for the “mongolb” language, because the babel package [60, 61] uses the name “mongolian”. We just load mongolb.mld. See section 13.131.

```

9439 (*mongolian)
9440 \ProvidesFile{mongolian.mld}[2007/02/05]\mtcselectlanguage{mongolb}%
9441 </mongolian>

```

### 13.133 “Naustrian” language: naustrian.mld

`\mtcselectlanguage` The “naustrian” language is a synonym of the “ngermanb” language (a revised version of the `germanb` variant of the german language), so we just load the `ngermanb.mld` file. See also section 13.136 on the following page.

```

9442 (*naustrian)
9443 \ProvidesFile{naustrian.mld}[2004/12/14]\mtcselectlanguage{ngermanb}%
9444 </naustrian>

```

### 13.134 “Newzealand” language: newzealand.mld

`\mtcselectlanguage` The “newzealand” language is just like “english”, so we just load `english.mld` (section 13.45 on page 518):



```

9445 (*newzealand)
9446 \ProvidesFile{newzealand.mld}[2006/01/11]\mtcselectlanguage{english}%
9447 </newzealand>

```

### 13.135 “Ngerman” language: ngerman.mld

`\mtcselectlanguage` The “ngerman” language is a synonym of the “ngermanb” language<sup>38</sup>, so we just load the `ngermanb.mld` file. See also section 13.136 on the following page.

```

9448 (*ngerman)
9449 \ProvidesFile{ngerman.mld}[2004/12/14]\mtcselectlanguage{ngermanb}%
9450 </ngerman>

```

<sup>38</sup> A revised version of the `germanb` variant of the german language.

**13.136 “Ngermanb” language: ngermanb.mld**

The titles for the “ngermanb” language<sup>39</sup> are taken from the file `ngermanb.dtx` file (by Bernd RAICHLE and Walter SCHMIDT) in the `babel` package [60, 61, 91]. See also sections 13.133 on the page before, and 13.135 on the preceding page.

```

9451 (*ngermanb)
9452 \ProvidesFile{ngermanb.mld}[2006/01/13]%
9453 %% New german (B) titles from ngermanb.dtx (babel). Raichle, Bernd & Schmidt, Walter
9454 \def\ptctitle{Inhaltsverzeichnis}%      % oder nur: Inhalt % <-----
9455 \def\plftitle{Abbildungsverzeichnis}%
9456 \def\pltttitle{Tabellenverzeichnis}%
9457 \def\mtctitle{Inhalt}%
9458 \def\mlftitle{Abbildungsverzeichnis}%
9459 \def\mltttitle{Tabellenverzeichnis}%
9460 \def\stctitle{Inhalt}%
9461 \def\slftitle{Abbildungsverzeichnis}%
9462 \def\sltttitle{Tabellenverzeichnis}%
9463 </ngermanb>

```

**13.137 “Ngermanb2” language: ngermanb2.mld**

The titles for the “ngermanb2” language (revised spelling and short titles) are taken from the `ngermanb.dtx` file (by Bernd RAICHLE and Walter SCHMIDT) in the `babel` package [60, 61, 91], and abbreviated. See also section 13.136.

```

9464 (*ngermanb2)
9465 \ProvidesFile{ngermanb2.mld}[2005/09/27]%
9466 %% New german (B) short (2) titles
9467 \def\ptctitle{Inhalt}%
9468 \def\plftitle{Abbildungen}%
9469 \def\pltttitle{Tabellen}%
9470 \def\mtctitle{Inhalt}%
9471 \def\mlftitle{Abbildungen}%
9472 \def\mltttitle{Tabellen}%
9473 \def\stctitle{Inhalt}%
9474 \def\slftitle{Abbildungen}%
9475 \def\sltttitle{Tabellen}%
9476 </ngermanb2>

```

---

<sup>39</sup>A variant of the german language, with revised spelling.

## 13.138 “Norsk” language: norsk.mld

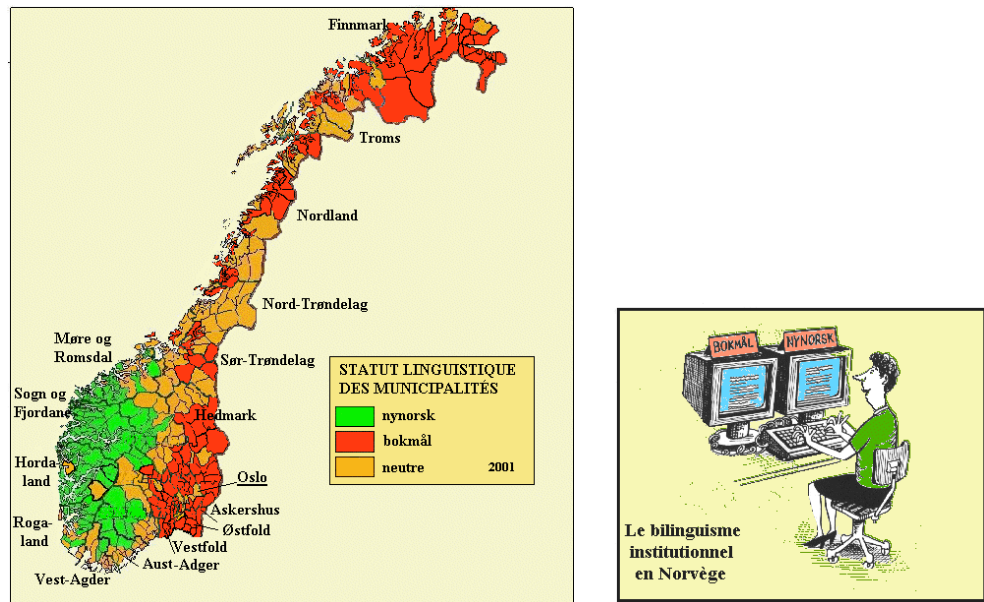


Figure 13.106: Bokmål and nynorsk languages in Norway (<http://www.tfq.ulaval.ca/axl/europe/norvege-communes-Ing.htm> and <http://www.tfq.ulaval.ca/axl/europe/norvege.htm> in [294])



The titles for the “norsk” language (or *bokmål*, “language of the kingdom”) are taken from the norsk.dtx file (by Johannes L. BRAAMS, Håvard HELSTRUP, Alv Kjetil HOLME, Per Steinar IVERSEN, Terje Engeset PETTERST and Rune KLEVELAND) in the babel package [58, 60, 61], with help from Dag LANGMYHR. See also section 13.140 on page 593.

```

9477 <{*norsk}
9478 \ProvidesFile{norsk.mld}[2006/01/13]%
9479 %% Norsk titles from norsk.dtx (babel). Braams, Johannes~L. & Helstrup, Haavard
9480 %% & Holme, Alv Kjetil & Iversen, Per Steinar & Petterst, Terje Engeset
9481 %% & Kleveland, Rune. Thanks to Dag Langmyhr (dag@ifi.uio.no)
9482 \def\ptctitle{Innhold}%
9483 \def\plftitle{Figurer}%
9484 \def\pltttitle{Tabeller}%
9485 \def\mtctitle{Innhold}%
9486 \def\mlftitle{Figurer}%
9487 \def\mltttitle{Tabeller}%
9488 \def\stctitle{Innhold}%
9489 \def\slftitle{Figurer}%
9490 \def\sltttitle{Tabeller}%
9491 </norsk>

```



Figure 13.107: Norway (<http://en.wikipedia.org/wiki/Norway>)



**13.139 “Norsk2” language: norsk2.mld**

The titles for the “norsk2” language (or *bokmål*, “language of the kingdom”) are taken from the babel package [58, 60, 61], with help from Dag LANGMYHR, and abbreviated.

```

9492 (*norsk2)
9493 \ProvidesFile{norsk2.mld}[2005/09/27]%
9494 %% Short norsk titles. Thanks to Dag Langmyhr (dag@ifi.uio.no)
9495 \def\ptctitle{Innhold}%
9496 \def\plftitle{Figurliste}%
9497 \def\pltttitle{Tabelliste}%
9498 \def\mtctitle{Innhold}%
9499 \def\mlftitle{Figurliste}%
9500 \def\mltttitle{Tabelliste}%
9501 \def\stctitle{Innhold}%
9502 \def\slftitle{Figurliste}%
9503 \def\sltttitle{Tabelliste}%
9504 </norsk2>

```

**13.140 “Nynorsk” language: nynorsk.mld**

The titles for the “nynorsk” language<sup>40</sup> are taken from the norsk.dtx file (by Johannes L. BRAAMS, Håvard HELSTRUP, Alv Kjetil HOLME, Per Steinar IVERSEN, Terje Engeset PETERST and Rune KLEVELAND) in the babel package [58, 60, 61], with help from Dag LANGMYHR. See also section 13.138 on page 591.

```

9505 (*nynorsk)
9506 \ProvidesFile{nynorsk.mld}[2006/01/13]%
9507 %% Nynorsk titles from norsk.dtx (babel). Braams, Johannes~L. & Helstrup, Haavard
9508 %% & Holme, Alv Kjetil & Iversen, Per Steinar & Petterst, Terje Engeset
9509 %% & Kleveland, Rune. Thanks to Dag Langmyhr (dag@ifi.uio.no)
9510 \def\mtctitle{Innhald}%
9511 \def\mlftitle{Figurar}%
9512 \def\mltttitle{Tabellar}%
9513 \def\ptctitle{Innhald}%
9514 \def\plftitle{Figurar}%
9515 \def\pltttitle{Tabellar}%
9516 \def\stctitle{Innhald}%
9517 \def\slftitle{Figurar}%
9518 \def\sltttitle{Tabellar}%
9519 </nynorsk>

```

---

<sup>40</sup>Created around 1800 by Ivar ÅSSEN to make a real independent and national norwegian language, in reaction to danish, from the various dialects spoken in the country. But nynorsk has never gained much popularity outside rural regions.

### 13.141 “Nynorsk2” language: nynorsk2.mld

The titles for the “nynorsk2” language are variants of the titles of the “nynorsk” language. See also section 13.140 on the preceding page.

```

9520 (*nynorsk2)
9521 \ProvidesFile{nynorsk.mld}[1999/03/16]%
9522 %% Nynorsk titles. Thanks to Dag Langmyhr (dag@ifi.uio.no)
9523 \def\mtctitle{Innhald}%
9524 \def\mlftitle{Figurliste}%
9525 \def\mltttitle{Tabelliste}%
9526 \def\ptctitle{Innhald}%
9527 \def\plftitle{Figurliste}%
9528 \def\pltttitle{Tabelliste}%
9529 \def\stctitle{Innhald}%
9530 \def\slftitle{Figurliste}%
9531 \def\sltttitle{Tabelliste}%
9532 </nynorsk2>

```

### 13.142 “Occitan” language: occitan.mld



The occitan language<sup>41</sup> is still spoken in the south of France, from Limoges (Letmòges), Bordeaux (Bordèu) and Toulouse (Tolosa<sup>42</sup>) to Marseille (Marselha) and Nice (Niça), with many local variants. This bilingual street sign in Toulouse (Tolosa), like many such signs found in historical parts of the city, is maintained primarily for its antique charm; it is typical of what little remains of the “lenga d’oc” in southern French cities (see figures 13.108 to 13.109 on the next page). See also <http://www.orbilat.com/Maps/Occitan/Occitan.gif>. See also [122].

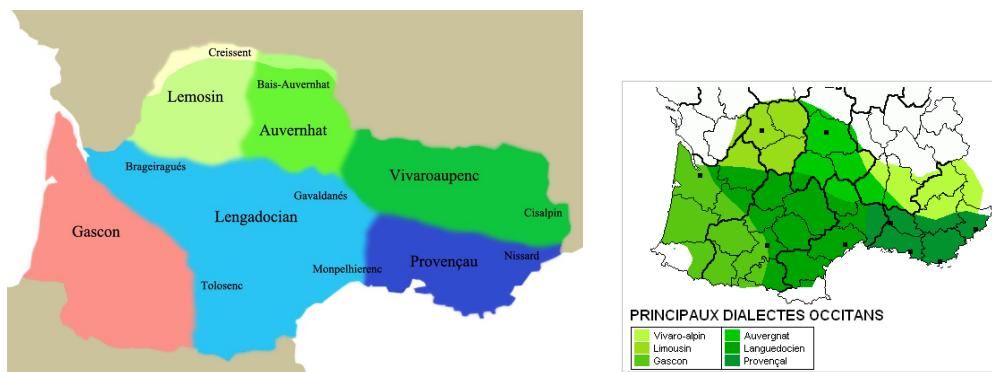
```

9533 (*occitan)
9534 \ProvidesFile{occitan.mld}[2007/12/18]%
9535 %% Occitan titles (translations using http://www.panoccitan.org/diccionari.aspx)
9536 \def\ptctitle{Ensenhador}%
9537 \def\plftitle{Ti\‘era de las figurats}%
9538 \def\pltttitle{Ti\‘era de las taulas}%
9539 \def\mtctitle{Ensenhador}%
9540 \def\mlftitle{Ti\‘era de las figurats}%
9541 \def\mltttitle{Ti\‘era de las taulas}%
9542 \def\stctitle{Ensenhador}%
9543 \def\slftitle{Ti\‘era de las figurats}%
9544 \def\sltttitle{Ti\‘era de las taulas}%
9545 </occitan>

```

<sup>41</sup>I used the site <http://www.panoccitan.org/diccionari.aspx> for the translations.

<sup>42</sup>Per Tolosa totjorn mai!

Figure 13.108: Occitan in France (<http://en.wikipedia.org/wiki/Occitan>)Figure 13.109: Occitan dialects (<http://fr.wikipedia.org/wiki/Occitan>)

### 13.143 “Occitan2” language: occitan2.mld

The occitan2 language provides an example of variants for the occitan titles.

```

9546 (*occitan2)
9547 \ProvidesFile{occitan2.mld}[2008/04/03]%
9548 % Occitan titles (variants)
9549 \def\ptctitle{Taula dels ensenhadors}%
9550 \def\plftitle{Lista de las figuras}%
9551 \def\pltttitle{Lista dels tabl\'eus}%
9552 \def\mtctitle{Taula dels ensenhadors}%
9553 \def\mlftitle{Lista de las figuras}%
9554 \def\mltttitle{Lista dels tabl\'eus}%
9555 \def\stctitle{Taula dels ensenhadors}%

```

```
9556 \def\slftitle{Lista de las figuras}%
9557 \def\sltttitle{Lista dels tabl\'eus}%
9558 </occitan2>
```

### 13.144 “Polish” language: polish.mld

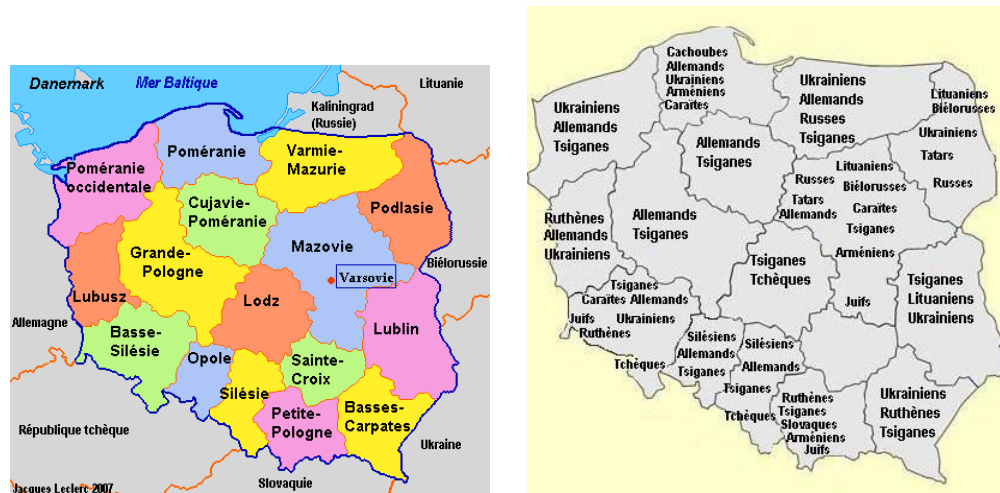
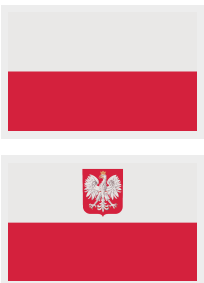
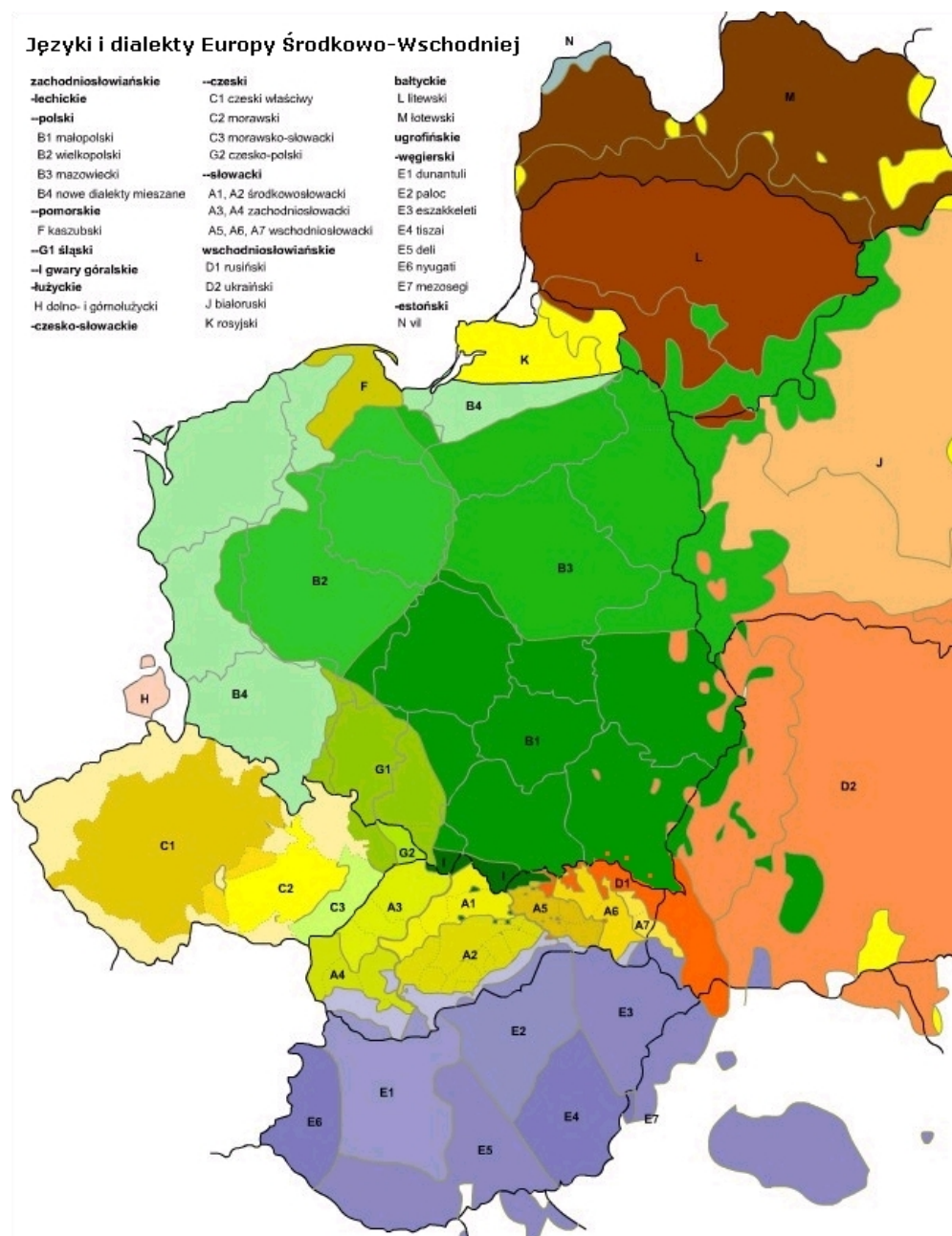


Figure 13.110: Poland and minorities in Poland (<http://www.tlfg.ulaval.ca/axl/europe/pologne-1demo.htm> in [294])

The titles for the “polish” language (*język polski*) are taken from the polish.dtx file (by Elmar SCHALÜCK and Michael JANICH) in the babel package [60, 61, 96]. See also sections 13.145 to 13.146 on page 598.



```
9559 (*polish)
9560 \ProvidesFile{polish.mld}[2007/12/18]%
9561 %% Polish titles from polish.dtx (babel). Schalück, Elmar & Janich, Michael
9562 \def\ptctitle{Spis tre\'sci}%
9563 \def\plftitle{Spis rysunk\'ow}%
9564 \def\pltttitle{Spis tablic}%
9565 \def\mtctitle{Spis tre\'sci}%
9566 \def\mlfttitle{Spis rysunk\'ow}%
9567 \def\mltttitle{Spis tablic}%
9568 \def\stctitle{Spis tre\'sci}%
9569 \def\slftitle{Spis rysunk\'ow}%
9570 \def\sltttitle{Spis tablic}%
9571 </polish>
```



This map shows a division of Polish dialects onto four branches: the Lesser Polish (B1) in the south and southeast, Greater Polish (B2) in west, Mazovian (B3) in central and eastern parts and the *New Mixed Dialects* group (B4) in southwest. Silesian (G) and Kashubian (F) are treated as languages rather than dialects.

Figure 13.111: Polish dialects ([http://en.wikipedia.org/wiki/Polish\\_dialects](http://en.wikipedia.org/wiki/Polish_dialects))

**13.145 “Polish2” language: polish2.mld**

`\localpolish` The titles for the “polish2” language<sup>43</sup> are taken from the `omega-polish.ldf` (by Alexej M. KRYUKOV and Dmitry IVANOV) in the Antomega project [272]. See also sections 13.144 on page 596 and 13.146.

```

9572 (*polish2)
9573 \ProvidesFile{polish2.mld}[2005/02/08]%
9574 %% from omega-polish.ldf (Antomega). Needs Omega. Alexej M. Kryukov, Dmitry Ivanov
9575 \def\ptctitle{\localpolish{Spis tre^^^^00b1ci}}%
9576 \def\plftitle{\localpolish{Spis rysunk^^^^00adw}}%
9577 \def\pltttitle{\localpolish{Spis tablic}}%
9578 \def\mtctitle{\localpolish{Spis tre^^^^00b1ci}}%
9579 \def\mlftitle{\localpolish{Spis rysunk^^^^00adw}}%
9580 \def\mltttitle{\localpolish{Spis tablic}}%
9581 \def\stctitle{\localpolish{Spis tre^^^^00b1ci}}%
9582 \def\slftitle{\localpolish{Spis rysunk^^^^00adw}}%
9583 \def\sltttitle{\localpolish{Spis tablic}}%
9584 (/polish2)

```

**13.146 “Polski” language: polski.mld**

The titles for the “polski” language (variant for polish) are taken from the `polski.dtx` file (by Mariusz OLKO and Marcin WOLIŃSKI) in the `polski` package [357, 463]. See also sections 13.144 to 13.145 on pages 596–598.

```

9585 (*polski)
9586 \ProvidesFile{polski.mld}[2008/01/15]%
9587 %% Polski titles from polski.dtx. Olko, Mariusz & Woli\'nski, Marcin.
9588 \def\ptctitle{Spis tre\'sci}%
9589 \def\plftitle{Spis rysunk\'ow}%
9590 \def\pltttitle{Spis tabel}%
9591 \def\mtctitle{Spis tre\'sci}%
9592 \def\mlftitle{Spis rysunk\'ow}%
9593 \def\mltttitle{Spis tabel}%
9594 \def\stctitle{Spis tre\'sci}%
9595 \def\slftitle{Spis rysunk\'ow}%
9596 \def\sltttitle{Spis tabel}%
9597 (/polski)

```

---

<sup>43</sup>“Polish2” is a variant of “polish”.

**13.147 “Portuges” language: portuges.mld**

`\mtcselectlanguage` The name “portuges” is another spelling for “portuguese” (see section 13.148), so we just load `portuguese.mld`:

```
9598 (*portuges)
9599 \ProvidesFile{portuges.mld}[2005/06/07]\mtcselectlanguage{portuguese}%
9600 </portuges>
```

**13.148 “Portuguese” language: portuguese.mld**

The titles for the “portuguese” language (*português*) are taken from the `portuges.dtx` file (by Jose Pedro RAMALHETE) in the `babel` package [60, 61, 92]. The portuguese language is spoken in Portugal (with the islands of Azores and Madeira), in Brazil, and in former portuguese colonies like Angola, Guinea-Bissau, Mozambique, Cape Verde Islands, Saõ Tomé and Príncipe Islands, East Timor, and some old trading posts like Macao and Goa; see figures 13.113 to 13.114 on pages 600–601. See also section 13.25 on page 499, because the titles are different in Brazil, even if the language is also portuguese.

```
9601 (*portuguese)
9602 \ProvidesFile{portuguese.mld}[2006/01/13]%
9603 %% Portuguese titles from portuges.dtx (babel).
9604 %% Ramalhete, Jose Pedro
9605 \def\ptctitle{Conte\’udo}%
9606 \def\plftitle{Lista de Figuras}%
9607 \def\pltttitle{Lista de Tabelas}%
9608 \def\mtctitle{Conte\’udo}%
9609 \def\mlftitle{Lista de Figuras}%
9610 \def\mltttitle{Lista de Tabelas}%
9611 \def\stctitle{Conte\’udo}%
9612 \def\slftitle{Lista de Figuras}%
9613 \def\sltttitle{Lista de Tabelas}%
9614 </portuguese>
```

**13.149 “Romanian” language: romanian.mld**

The titles for the “romanian” language (*română*) come from the `romanian.dtx` file (by Umstatter HORST and Robert JUHASZ) in the `babel` package [60, 61, 78]. See also sections 13.150 to 13.151 on pages 602–603.

```
9615 (*romanian)
9616 \ProvidesFile{romanian.mld}[2006/01/13]%
9617 %% Romanian titles from romanian.dtx (babel).
```

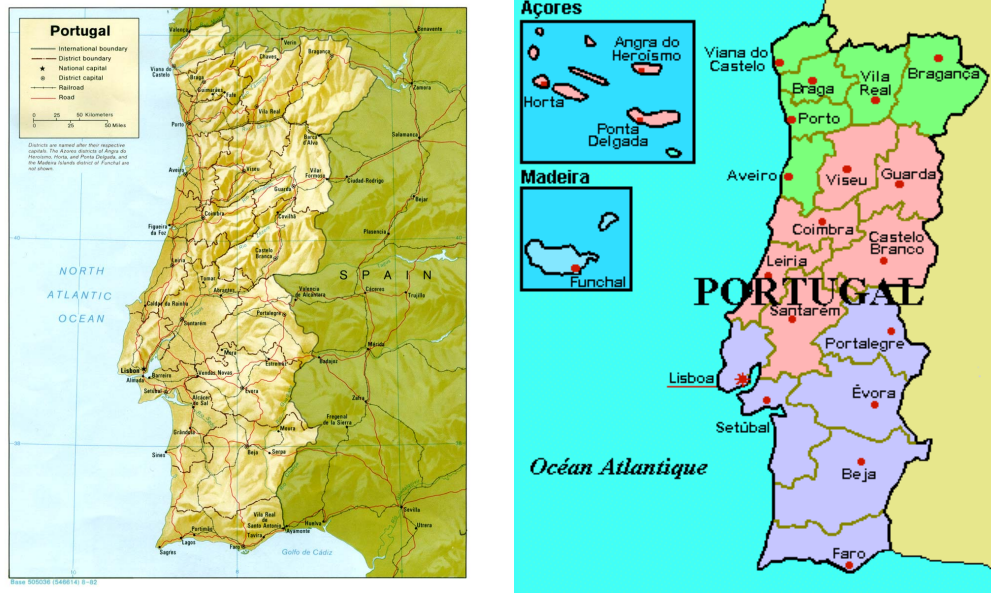


Figure 13.112: Portugal (<http://www.lib.utexas.edu/maps/portugal.html> – Courtesy of the University of Texas Libraries, The University of Texas at Austin [395], and <http://www.tlfg.ulaval.ca/axl/europe/portugal.htm> in [294])

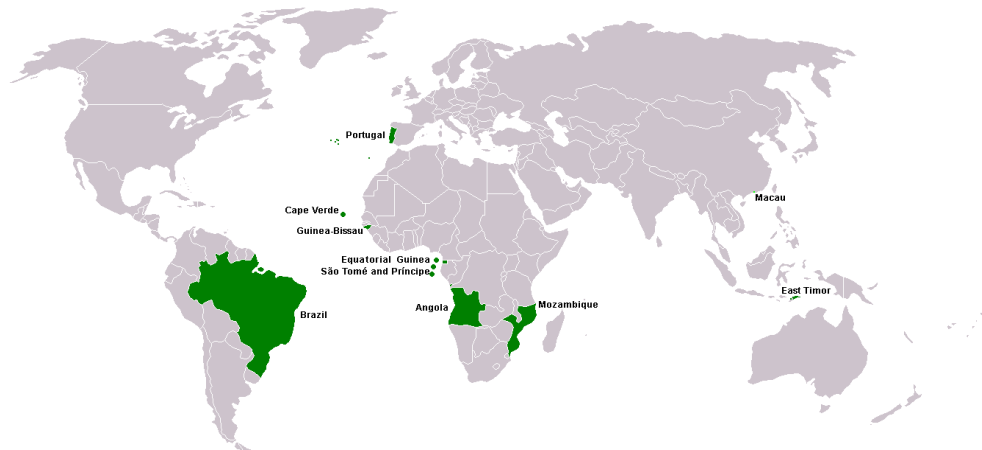


Figure 13.113: Lusophone areas ([http://en.wikipedia.org/wiki/Portuguese\\_language](http://en.wikipedia.org/wiki/Portuguese_language))





Figure 13.114: Lusophone countries and regions (<http://en.wikipedia.org/wiki/CPLP>)

```

9618%% Horst, Umstatter & Juhasz, Robert
9619 \def\ptctitle{Cuprins}%
9620 \def\plftitle{List\u{a} de figuri}%
9621 \def\pltttitle{List\u{a} de tabele}%
9622 \def\mtctitle{Cuprins}%
9623 \def\mlftitle{List\u{a} de figuri}%
9624 \def\mltttitle{List\u{a} de tabele}%
9625 \def\stctitle{Cuprins}%
9626 \def\slftitle{List\u{a} de figuri}%
9627 \def\sltttitle{List\u{a} de tabele}%
9628 </romanian>

```



Figure 13.115: Dialects of Portuguese in Portugal and in Angola ([http://en.wikipedia.org/wiki/Portuguese\\_language](http://en.wikipedia.org/wiki/Portuguese_language))

### 13.150 “Romanian2” language: `romanian2.mld`

The titles for the “romanian2” language come from the `romanian.dtx` file (by Adrian REZUS and Bernd RAICHLE) in the RomanianTeX package [397]. See also sections 13.149 on page 599 and 13.151 on the following page. Alas, RomanianTeX is *not compatible* with the babel package [60, 61].



```

9629 (*romanian2)
9630 \ProvidesFile{romanian2.mld}[2006/08/03]%
9631 %% Titles in RomanianTeX (romanian.dtx). Adrian Rezus (adriaan@cs.kun.nl),
9632 %% Bernd Raichle (raichle@azu.Informatik.Uni-Stuttgart.de)
9633 \def\ptctitle{Cuprins}%
9634 \def\plftitle{Lista de figuri}%
9635 \def\pltttitle{Lista de tabele}%
9636 \def\mtctitle{Cuprins}%
9637 \def\mlfttitle{Lista de figuri}%

```

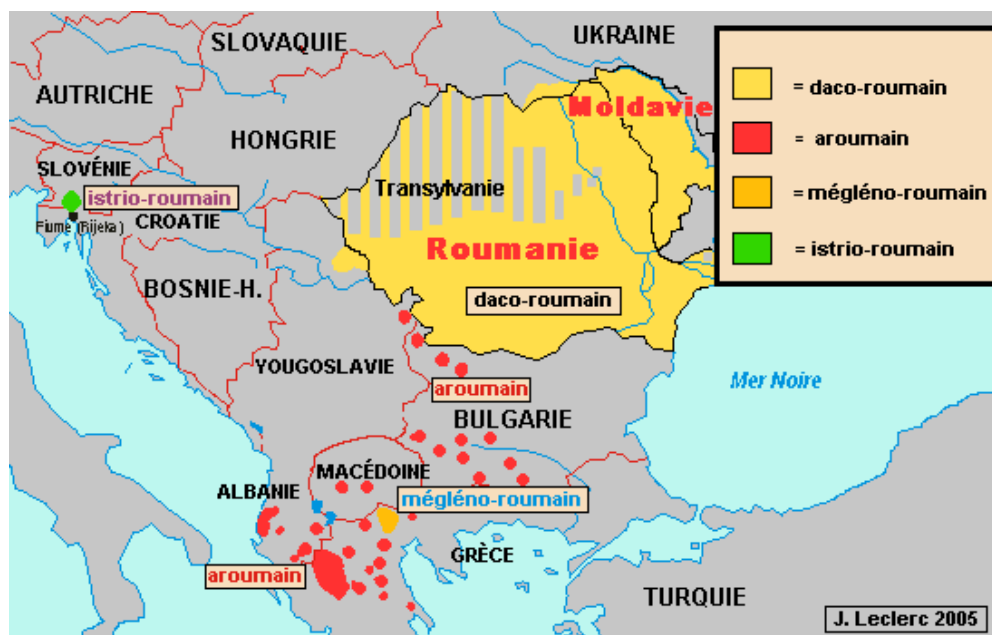


Figure 13.116: Romanian language areas ([http://www.tfq.ulaval.ca/axl/europe/roumain\\_aires-Ing.htm](http://www.tfq.ulaval.ca/axl/europe/roumain_aires-Ing.htm) in [294])

```

9638 \def\mltttitle{Lista de tabele}%
9639 \def\stcttitle{Cuprins}%
9640 \def\slfttitle{Lista de figuri}%
9641 \def\sltttitle{Lista de tabele}%
9642 \</romanian2>

```

### 13.151 “Romanian3” language: romanian3.mld

The titles for the “romanian3” language come from the `romanian.dtx` file (by Adrian REZUŞ and Bernd RAICHLE) in the `RomanianTeX` package [397]. See also sections 13.149 to 13.150 on pages 599–602. Alas, `RomanianTeX` is not compatible with the `babel` package [60, 61].

```

9643 \*romanian3
9644 \ProvidesFile{romanian3.mld}[2006/08/03]%
9645 %% Romanian titles from RomanianTeX (romanian.dtx) variant.
9646 %% Adrian Rezus (adriaan@cs.kun.nl)
9647 %% Bernd Raichle (raichle@azu.Informatik.Uni-Stuttgart.de)
9648 \def\ptcttitle{Tabla de materii}%
9649 \def\pltttitle{Indice de figuri}%
9650 \def\pltttitle{Tabele}%
9651 \def\mtcttitle{Tabla de materii}%
9652 \def\mltttitle{Indice de figuri}%
9653 \def\mltttitle{Tabele}%

```



```

9654 \def\stctitle{Tabla de materii}%
9655 \def\sltttitle{Indice de figuri}%
9656 \def\sltttitle{Tabele}%
9657 </romanian3>

```

### 13.152 “Russian” language: russian.mld

\cz The titles for the “russian” language (*russkiy yazyk*) are taken from the babel package [60, \mz 61]. Specific cyrillic fonts are required; see figure 13.117 on the next page.

#### Русский язык



```

9658 (*russian)
9659 \ProvidesFile{russian.mld}[1999/03/16]%
9660 %% Russian titles
9661 \def\ptctitle{Oglavlenie}%
9662 \def\plfttitle{Pere{\cz}en{\mz} risunkov}%
9663 \def\pltttitle{Pere{\cz}en{\mz} tablic}%
9664 \def\mtctitle{Oglavlenie}%
9665 \def\mlfttitle{Pere{\cz}en{\mz} risunkov}%
9666 \def\mltttitle{Pere{\cz}en{\mz} tablic}%
9667 \def\stctitle{Oglavlenie}%
9668 \def\slfttitle{Pere{\cz}en{\mz} risunkov}%
9669 \def\sltttitle{Pere{\cz}en{\mz} tablic}%
9670 </russian>

```

### 13.153 “Russian2m” language: russian2m.mld

\localrussian The titles for the “russian2m” language (“russian2m” is a modern variant of “russian”) are taken from the russian2m.ldf file (by Alexej M. Kryukov and Dmitry Ivanov) in the Antomega project [272]. Specific cyrillic fonts are required. See also section 13.152.

```

9671 (*russian2m)
9672 \ProvidesFile{russian2m.mld}[2005/02/08]%
9673 %% from russian2m.ldf (Antomega project, russian modern)
9674 %% Needs Omega and cyrillic fonts. Alexej M. Kryukov & Dmitry Ivanov
9675 \def\ptctitle{\localrussian%
9676 {^041e^0433^043b^0430^0432^043b^0435^043d^0438^0435}}%
9677 \def\plfttitle{\localrussian%
9678 {^0421^043f^0438^0441^043e^043a ^0438^043b%
9679 ^043b^044e^0441^0442^0440^0430^0446^0438^0439}}%
9680 \def\pltttitle{\localrussian%
9681 {^0421^043f^0438^0441^043e^043a ^0442^0430%
9682 ^0431^043b^0438^0446}}%
9683 \def\mtctitle{\localrussian%
9684 {^041e^0433^043b^0430^0432^043b^0435^043d^0438^0435}}%
9685 \def\mlfttitle{\localrussian%

```

Lettre	Son	Lettre	Son	Lettre	Son
А а	a	К к	k	Х х	kh
Б б	b	Л л	l dur	Ц ц	ts
В в	v	М м	m	Ч ч	tch
Г г	g <sup>(u)</sup>	Н н	n	Ш ш	ch
Д д	d	О о	o	Щ щ	chtch
Е е	yè	П п	p	(Ь ь)	(signe dur)
Ё ё	y <sup>o</sup>	Р р	r	(Ы ы)	i dur
Ж ж	g <sup>(è)</sup> j	С с	s	(Ъ ъ)	(signe mou)
З з	z	Т т	t	Э э	è
И и	i	У у	ou	Ю ю	you
(Й й)	i bref	Ф ф	f	Я я	ya

As in any slavic language, the russian is characterized by its alphabet. Let us remember that the catholic legacy has favored the latin alphabet with croatian, polish, czech, slovak, slovene and sorbian, while the legacy of the orthodox world has favored the cyrillic alphabet with russian, belarusian, ukrainian, serbish (Serbia), bulgarian and macedonian. However, in Russia, we speak of the russian alphabet, the “cyrillic” appellation denoting only the slavonic writing used in Russian until the beginning of the xviii<sup>th</sup> century.

The russian alphabet contains 33 letters, the bulgarian and the serbian 0, the ukrainian 33. The modern russian alphabet has also been adapted to several non slavic languages in countries of the ex-USSR by adding letters, like for ouralians (votiak, erzia, ostiak, vogul), altaic languages (turkmen, azeri), iranian (ossetic, kurdish, tadik), caucasian (abkhaz, adyghe, ingush, avar, circassian, chechen, etc.), turkish (azeri, bashkir, karakalpak, kyrgyz, nogai, tatar, turkmen, uzbek, etc.), finno-ougrian (kshanti, komi, etc.), samoyed (nenets, selkup), mongol (mongol, buryat, etc.), tunghunze (even, evenki, nanai), paleo-siberian (eskimo, koryak, nivkh, chukchi), roman (moldavian/moldovan, romanian), and other (dungan) languages.

Today, it seems that most of the non slavic languages are tending to leave the cyrillic script and to go back to their traditional script or to replace it by the latin alphabet. This is the case for kazakh, uzbek, mongol, azeri, etc. The cyrillic script seems to survive mainly in countries of orthodox tradition (central and eastern Europe): russian, ukrainian, belarusian, macedonian and serbian. See also <http://en.wikipedia.org/wiki/Cyrillic>.

Figure 13.117: Russian alphabet (<http://www.tfq.ulaval.ca/axl/europe/russie-2demo.htm> in [294] and <http://ras-poutine1916.blogspot.com/2007/05/lalphabet-cyrilique.html> by Cezare TOMCZAK)



Figure 13.118: Distribution of the cyrillic alphabet: this map shows in dark green the countries that adopt the cyrillic alphabet as the official main script; and in light green, the countries that uses officially the cyrillic alongside another script (<http://en.wikipedia.org/wiki/Cyrillic>)

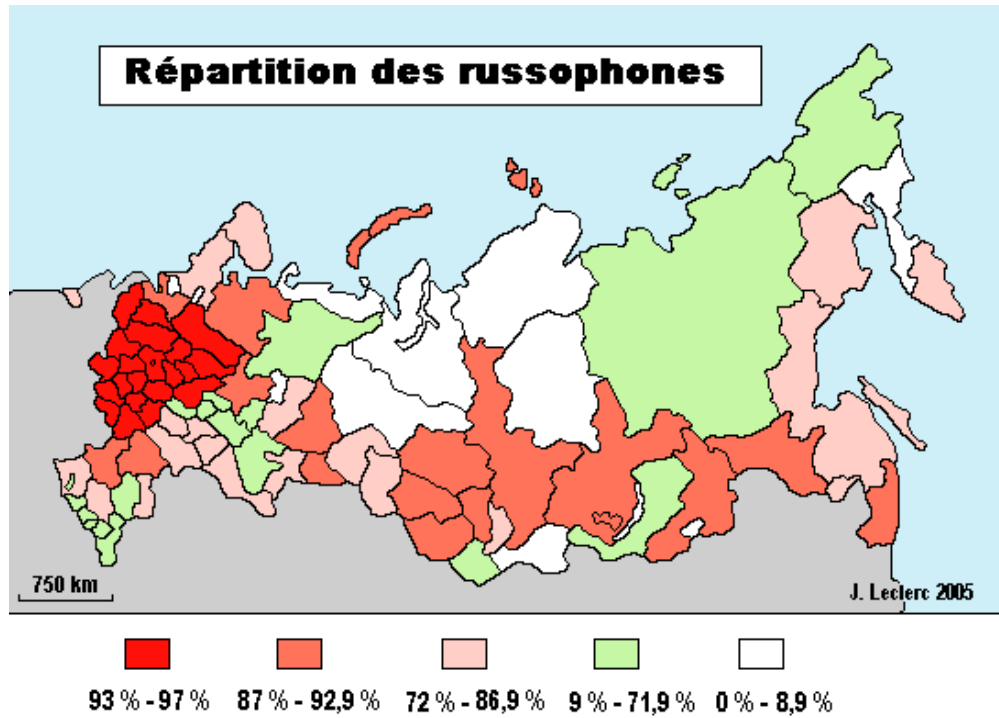


Figure 13.119: Russian language areas (<http://www.tifq.ulaval.ca/axl/europe/russie-2demo.htm> in [294])



Figure 13.120: Areas where the russian language is official or spoken ([http://en.wikipedia.org/wiki/Russian\\_Language](http://en.wikipedia.org/wiki/Russian_Language))



See [135, page 329] and [385, page 395]

(1) CIS: Commonwealth of Independent States.

Charter: <http://www.therussiasite.org/legal/laws/CIScharter.html>

(2) Member of CIS. (3) Associated member (observer) of CIS.

(4) Withdrew of the Council of Defense in February 2006.

Figure 13.121: Russian-speaking countries ([http://en.wikipedia.org/wiki/Russian\\_language](http://en.wikipedia.org/wiki/Russian_language))

```

9686 {^0421^043f^0438^0441^043e^043a ^0438^043b%
9687 ^043b^044e^0441^0442^0440^0430^0446^0438^0439}}%
9688 \def\mlttitle{\localrussian%
9689 {^0421^043f^0438^0441^043e^043a ^0442^0430%
9690 ^0431^043b^0438^0446}}%
9691 \def\stctitle{\localrussian%
9692 {^041e^0433^043b^0430^0432^043b^0435^043d^0438^0435}}%

```

Figure 13.122: Regions of Russia (<http://en.wikipedia.org/wiki/Russia>)

```

9693 \def\slftitle{\localrussian%
9694 {^^^^0421^^^^043f^^^^0438^^^^0441^^^^043e^^^^043a  ^^^^0438^^^^043b%
9695  ^^^^043b^^^^044e^^^^0441^^^^0442^^^^0440^^^^0430^^^^0446^^^^0438^^^^0439}}%
9696 \def\sltttitle{\localrussian%
9697 {^^^^0421^^^^043f^^^^0438^^^^0441^^^^043e^^^^043a  ^^^^0442^^^^0430%
9698  ^^^^0431^^^^043b^^^^0438^^^^0446}}%
9699 </russian2m)

```

### 13.154 “Russian2o” language: russian2o.mld

\localrussian The titles for the “russian2o” language (“russian2o” is an old variant of “russian”) are taken from the `omega-russian.ldf` file (by Alexej M. KRYUKOV and Dmitry IVANOV) in the Antomega project [272]. Specific cyrillic fonts are required. See also section 13.152 on page 604.

```

9700 (*russian2o)
9701 \ProvidesFile{russian2o.mld}[2005/02/08]%
9702 %% from russian2o.mld (Antomega project - russian old)
9703 %% Needs Omega and cyrillic fonts. Alexej M. Kryukov & Dmitry Ivanov
9704 \def\ptctitle{\localrussian%
9705 {^^^^041e^^^^0433^^^^043b^^^^0430^^^^0432^^^^043b^^^^0435^^^^043d^^^^0456^^^^0435}}%
9706 \def\plftitle{\localrussian%

```





Figure 13.123: Russian subjects (<http://en.wikipedia.org/wiki/Russia>; see also <http://www.monde-diplomatique.fr/IMG/artoff619.jpg>)

```

9707 {^0421^043f^0438^0441^043e^043a^044a ^0438%
9708 ^043b^043b^044e^0441^0442^0440^0430^0446^0456^0439}}%
9709 \def\pltttitle{\localrussian%
9710 {^0421^043f^0438^0441^043e^043a^044a ^0442%
9711 ^0430^0431^043b^0438^0446^044a}}%
9712 \def\mtctitle{\localrussian%
9713 {^041e^0433^043b^0430^0432^043b^0435^043d^0456^0435}}%
9714 \def\mlfttitle{\localrussian%
9715 {^0421^043f^0438^0441^043e^043a^044a ^0438%
9716 ^043b^043b^044e^0441^0442^0440^0430^0446^0456^0439}}%
9717 \def\mltttitle{\localrussian%
9718 {^0421^043f^0438^0441^043e^043a^044a ^0442%
9719 ^0430^0431^043b^0438^0446^044a}}%
9720 \def\stctitle{\localrussian%
9721 {^041e^0433^043b^0430^0432^043b^0435^043d^0456^0435}}%
9722 \def\slfttitle{\localrussian%
9723 {^0421^043f^0438^0441^043e^043a^044a ^0438%
9724 ^043b^043b^044e^0441^0442^0440^0430^0446^0456^0439}}%
9725 \def\sltttitle{\localrussian%
9726 {^0421^043f^0438^0441^043e^043a^044a ^0442%
9727 ^0430^0431^043b^0438^0446^044a}}%
9728 </russian2o>

```

**13.155 “Russianb” language: russianb.mld**

`\cyr` The titles for the “russianb” language (“russianb” is a variant of “russian”) are taken from the `russianb.dtx` file (by Olga G. LAPKO, Vladimir VOLOVICH, Werner LEMBERG, and Irina A. МАКHOVAЯ) in the `babel` package [60, 61, 84, 286]. Specific cyrillic fonts are required. See also section 13.152 on page 604. The partoc title varies depending on the presence of chapters defined or not by the document class.

```

9729 (*russianb)
9730 \ProvidesFile{russianb.mld}[2006/02/15]%
9731 %% Russian (russianb) titles from russianb.dtx (babel)
9732 %% Lapko, Olga & Volovitch, Vladimir & Lemberg, Werner
9733 \expandafter\ifx\curname chapter\endcurname\relax
9734 \def\ptctitle{%
9735   {\cyr\CYRS\cyro\cyrd\cyre\cyrr\cyrzh\cyra\cyrn\cyri\cyre}}%
9736 \else\def\ptctitle{%
9737   {\cyr \CYRO\CYRg\CYRl\CYRa\CYRv\CYRl\CYRe\CYRn\CYRi\CYRe}}%
9738 \fi
9739 \def\plftitle{%
9740   {\cyr \CYRS\CYRp\CYRi\CYRs\CYRo\CYRk\space
9741     \CYRi\CYRl\CYRl\CYRyu\CYRs\CYRt\CYRr\CYRa\CYRc\CYRi\CYRishrt}}%
9742 \def\plttitle{%
9743   {\cyr \CYRS\CYRp\CYRi\CYRs\CYRo\CYRk\space
9744     \CYRt\CYRa\CYRb\CYRl\CYRi\CYRc}}%
9745 \def\mtctitle{%
9746   {\cyr \CYRO\CYRg\CYRl\CYRa\CYRv\CYRl\CYRe\CYRn\CYRi\CYRe}}%
9747 \def\mlftitle{%
9748   {\cyr \CYRS\CYRp\CYRi\CYRs\CYRo\CYRk\space
9749     \CYRi\CYRl\CYRl\CYRyu\CYRs\CYRt\CYRr\CYRa\CYRc\CYRi\CYRishrt}}%
9750 \def\mlttitle{%
9751   {\cyr \CYRS\CYRp\CYRi\CYRs\CYRo\CYRk\space
9752     \CYRt\CYRa\CYRb\CYRl\CYRi\CYRc}}%
9753 \def\stctitle{%
9754   {\cyr \CYRO\CYRg\CYRl\CYRa\CYRv\CYRl\CYRe\CYRn\CYRi\CYRe}}%
9755 \def\slftitle{%
9756   {\cyr \CYRS\CYRp\CYRi\CYRs\CYRo\CYRk\space
9757     \CYRi\CYRl\CYRl\CYRyu\CYRs\CYRt\CYRr\CYRa\CYRc\CYRi\CYRishrt}}%
9758 \def\slttitle{%
9759   {\cyr \CYRS\CYRp\CYRi\CYRs\CYRo\CYRk\space
9760     \CYRt\CYRa\CYRb\CYRl\CYRi\CYRc}}%
9761 \</russianb>

```

**13.156 “Russianc” language: russianc.mld**

`\xalx` The titles for the “russienc” language (“russienc” is a variant of “russian”, used in the part of Mongolia under russian influence) are taken from the file `russian.def` in the `MonTeX` package [137, 140]. Specific cyrillic fonts are required. See also section 13.152 on page 604.

```

9762 (*russianc)
9763 \ProvidesFile{russianc.mld}[1999/03/16]%
9764 %% Russian titles (Mongolia). Needs cyrillic fonts.
9765 \def\ptctitle{\xalx{Oglawlenie}}%
9766 \def\plftitle{\xalx{Spisok risunkow}}%
9767 \def\pltttitle{\xalx{Spisok tablic}}%
9768 %%
9769 \def\mtctitle{\xalx{Soderjanie}}%
9770 \def\mlftitle{\xalx{Spisok risunkow}}%
9771 \def\mltttitle{\xalx{Spisok tablic}}%
9772 \def\stctitle{\xalx{Soderjanie}}%
9773 \def\slftitle{\xalx{Spisok risunkow}}%
9774 \def\sltttitle{\xalx{Spisok tablic}}%
9775 </russianc>

```

### 13.157 “Russian-cca” language: russian-cca.ml[d|o]

They are several variants for the russian titles with the cmcyralt fonts. The titles for a first variant of the “russian-cca” are taken from the russian.sty (by Victor Boyko and Vadim MASLOV) file in the cmcyralt package [53].

`\mtcloadmlo` The titles for the “russian-cca” language contain characters that cannot be easily generated, hence we load russian-cca.mlo.

```

9776 (*russian – cca)
9777 \ProvidesFile{russian-cca.mld}[2006/03/08]\mtcloadmlo{russian-cca}%
9778 %% Russian-cca titles. From russian.sty in the cmcyralt package
9779 %% Vadim Maslov (vadik@cs.umd.edu) & Victor Boyko (vb1890@cs.nyu.edu)
9780 %% Needs cmcyralt fonts and special input encoding.
9781 </russian – cca>

```

### 13.158 “Russian-cca1” language: russian-cca1.ml[d|o]

They are several variants for the russian titles with the cmcyralt fonts. The titles for the “russian-cca1” language are taken from the cmcyralt.sty file (by Vadim MASLOV, Alexander HARIN and Vadim V. ZHYTNIKOV) in the cmcyralt package [222].

`\mtcloadmlo` The titles for the “russian-cca1” language contain characters that cannot be easily generated, hence we load russian-cca1.mlo.

```

9782 (*russian – cca1)
9783 \ProvidesFile{russian-cca1.mld}[2006/03/08]\mtcloadmlo{russian-cca1}%
9784 %% Russian-cca1 titles. From cmcyralt.sty in the cmcyralt package

```

```

9785%% with cmcyr fonts in alt encoding.
9786%% Vadim Maslov (vadik@cs.umd.edu) & Alexander Harin (harin@lourie.und.ac.za)
9787%% & Vadim V. Zhytnikov (vvzhy@phy.ncu.edu.tw)
9788 </russian – cca1>

```

### 13.159 “Russian-lh” language: `russian-lh.mld` [`d|o`]

The russian titles for the LH fonts (“russian-lh” language) are taken from the `russian.sty` file (by Sergei O. NAUMOV) in the LH package [342].

```

\mtecloadmlo The titles for the “russian-lh” language contain characters that cannot be easily generated,
             hence we load russian-lh.mlo.

```

```

9789 (*russian – lh)
9790 \ProvidesFile{russian-lh.mld}[2006/03/08]\mtecloadmlo{russian-lh}%
9791 %% Russian-lh titles from russian.sty in the LH package
9792 %% LH fonts in special encoding. By Sergei O. Naumov (serge@astro.unc.edu)
9793 </russian – lh>

```

### 13.160 “Russian-lhcyralt” language: `russian-lhcyralt.mld` [`d|o`]

The russian titles for the LHCYRALT fonts (“russian-lhcyralt” language) are taken from the `lhcyralt.sty` file (by Vadim V. ZHYTNIKOV) in the lhcyr package [487].

```

\mtecloadmlo The titles for the “russian-lhcyralt” language contain characters that cannot be easily
             generated, hence we load russian-lhcyralt.mlo. The input encoding is ALT (code page
             CP866).

```

```

9794 (*russian – lhcyralt)
9795 \ProvidesFile{russian-lhcyralt.mld}[2006/03/10]\mtecloadmlo{russian-lhcyralt}%
9796 %% Russian-lhcyralt titles from lhcyralt.sty in the LHCYR package
9797 %% LHCYRALT fonts in special encoding ALT (CP866).
9798 %% Vadim V. Zhytnikov (vvzhy@td.lpi.ac.ru)
9799 </russian – lhcyralt>

```

### 13.161 “Russian-lhcyrkoi” language: russian-lhcyrkoi.mld[o]

The russian titles for the LHCYRKOI fonts (“russian-lhcyrkoi” language) are taken from the lhcyrkoi.sty file (by Vadim V. ZHYTNIKOV) in the lhcyr package [487].

`\mtcloadmlo` The titles for the “russian-lhcyrkoi” language contain characters that cannot be easily generated, hence we load russian-lhcyrkoi.mlo. The input encoding is KOI-8.

```
9800 (*russian – lhcyrkoi)
9801 \ProvidesFile{russian-lhcyrkoi.mld}[2006/03/13]\mtcloadmlo{russian-lhcyrkoi}%
9802 %% Russian-lhcyrkoi titles from lhcyrkoi.sty in the LHCYR package
9803 %% LHCYRKOI fonts in special encoding KOI-8. Vadim V. Zhytnikov (vvzhy@td.lpi.ac.ru)
9804 </russian – lhcyrkoi>
```

### 13.162 “Russian-lhcyrwin” language: russian-lhcyrwin.mld[o]

The russian titles for the LHCYRWIN fonts (“russian-lhcyrwin” language) are taken from the lhcyrwin.sty file (by Vadim V. ZHYTNIKOV) in the lhcyr package [487].

`\mtcloadmlo` The titles for the “russian-lhcyrwin” language contain characters that cannot be easily generated, hence we load russian-lhcyrwin.mlo. The input encoding is CP1251.

```
9805 (*russian – lhcyrwin)
9806 \ProvidesFile{russian-lhcyrwin.mld}[2006/03/13]\mtcloadmlo{russian-lhcyrwin}%
9807 %% Russian titles from lhcyrwin.sty in the LHCYR package
9808 %% LHCYRWIN fonts in encoding CP1251. Vadim V. Zhytnikov (vvzhy@td.lpi.ac.ru)
9809 </russian – lhcyrwin>
```



### 13.163 “Samin” language: samin.mld

The titles for the “samin” language come from the samin.dtx file (by Regnor JERNSLETTEN) in the babel package [60, 61, 79]. Specific fonts are required. Note that several Sámi dialects/languages are spoken in Finland, Norway, Sweden, and on the Kola Peninsula (Russia). The alphabets differ, so there will eventually be a need for more .dtx files for, e.g., Lule and South Sámi. Hence the (artificial) name samin.dtx (and not sami.dtx or the like) in the North Sámi case<sup>44</sup>. These dialects and languages are part of the Finnic group. See also [http://en.wikipedia.org/wiki/Sápmi\\_\(area\)](http://en.wikipedia.org/wiki/Sápmi_(area)).

<sup>44</sup> Adapted from the samin.dtx file.

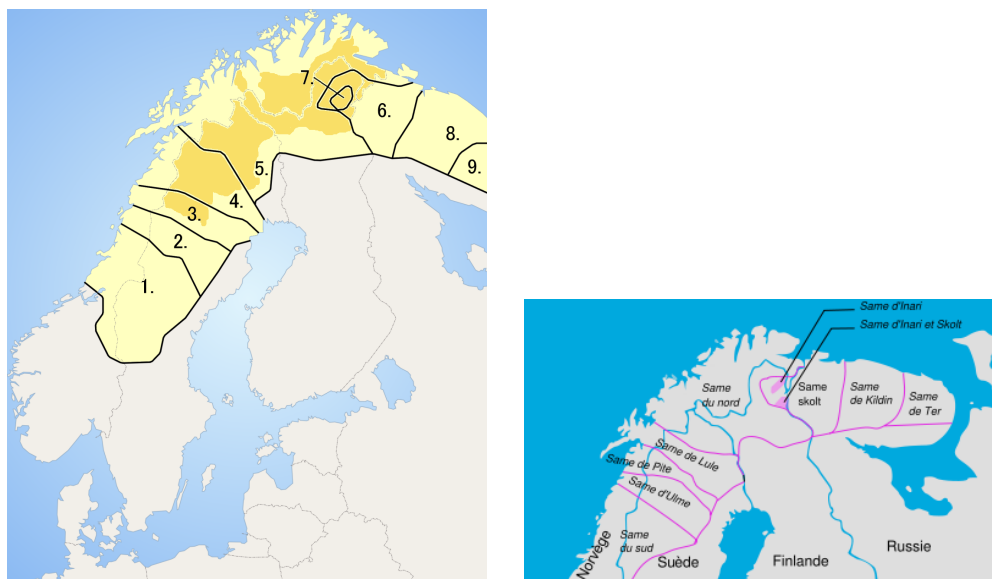


Figure 13.124: Sámi dialects areas<sup>b</sup> ([http://en.wikipedia.org/wiki/Sami\\_languages](http://en.wikipedia.org/wiki/Sami_languages) and [http://fr.wikipedia.org/wiki/Langue\\_same](http://fr.wikipedia.org/wiki/Langue_same))

<sup>b</sup> Sámi: 1. Southern; 2. Ume; 3. Pite; 4. Lule; 5. Northern; 6. Skolt; 7. Inari; 8. Teri. Darkened area represents municipalities that recognize Sámi as an official language.

```

9810 ⟨*samin⟩
9811 \ProvidesFile{samin.mld}[2006/01/13]%
9812 %% North Sámi (samin) titles from samin.dtx (babel). Jernsletten, Regnor
9813 \def\ptctitle{Sisdoallu}%
9814 \def\plftitle{Govvosat}%
9815 \def\pltttitle{Tabeallat}%
9816 \def\mtctitle{Sisdoallu}%
9817 \def\mlftitle{Govvosat}%
9818 \def\mltttitle{Tabeallat}%
9819 \def\stctitle{Sisdoallu}%
9820 \def\slftitle{Govvosat}%
9821 \def\sltttitle{Tabeallat}%
9822 ⟨/samin⟩

```

### 13.164 “Scottish” language: scottish.mld



The titles for the “scottish” language (gaelic scottish, *gàidhlig*) come from the `scottish.dtx` file (by Fraser GRANT) in the `babel` language [60, 61, 76]:

```

9823 ⟨*scottish⟩
9824 \ProvidesFile{scottish.mld}[2007/12/18]%

```

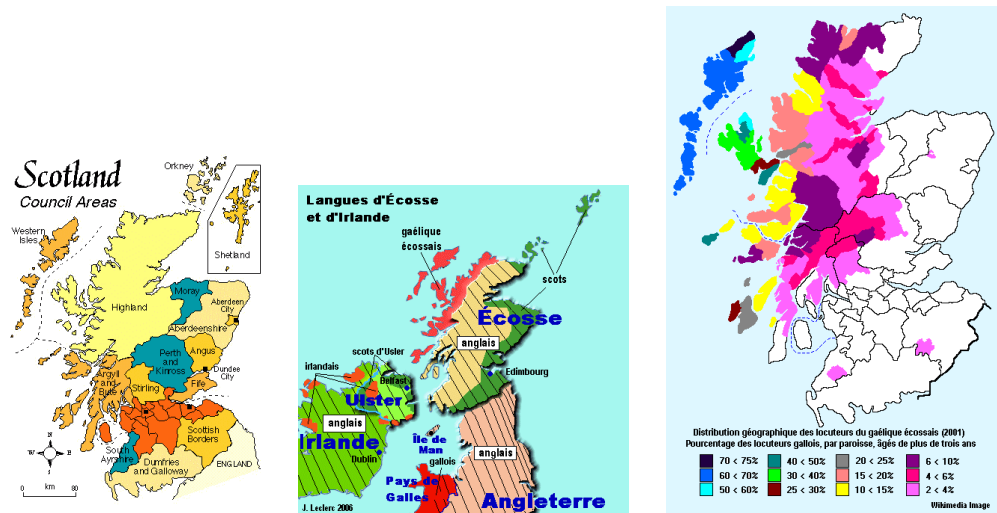


Figure 13.125: Scotland and the scottish gaelic language (<http://www.tfq.ulaval.ca/axl/europe/ecossecarte.htm>, <http://www.tfq.ulaval.ca/axl/europe/ecosse.htm> and <http://www.tfq.ulaval.ca/axl/europe/ecosse-Ing-carte.htm> in [294])

```

9825 %% Scottish titles from scottish.dtx (babel). Grant, Fraser
9826 \def\ptctitle{Cl\'ar-obrach}%
9827 \def\plftitle{Liosta Dhealbh}%
9828 \def\pltttitle{Liosta Chl\'ar}%
9829 \def\mtctitle{Cl\'ar-obrach}%
9830 \def\mlftitle{Liosta Dhealbh}%
9831 \def\mltttitle{Liosta Chl\'ar}%
9832 \def\stctitle{Cl\'ar-obrach}%
9833 \def\slftitle{Liosta Dhealbh}%
9834 \def\sltttitle{Liosta Chl\'ar}%
9835 </scottish>

```



### 13.165 “Serbian” language: serbian.mld

The titles for the “serbian” (serbocroatian) (*srpski jezik*, *srpskohrvatski jezik*) language are taken from the `serbian.dtx` file (by Dejan MUHAMEDAGIĆ and Jankovic SLOBODAN) in the `babel` package [60, 61, 88]. Serbocroatian is spoken by Serbs, Croats and Chernogors, but only Serbs and Chernogors use the cyrillic alphabet (a variant) (see figure 13.127 on page 617). See also section 13.166 on the next page and figure 13.13 on page 484.

```

9836 <{*serbian}>
9837 \ProvidesFile{serbian.mld}[2006/01/13]%
9838 %% Serbian titles in serbian.dtx (babel). Muhamedagi\'{c}, Dejan & Slobodan, Jankovic
9839 \def\ptctitle{Sadr\v{z}aj}%
9840 \def\plftitle{Slike}%
9841 \def\pltttitle{Tabele}%

```

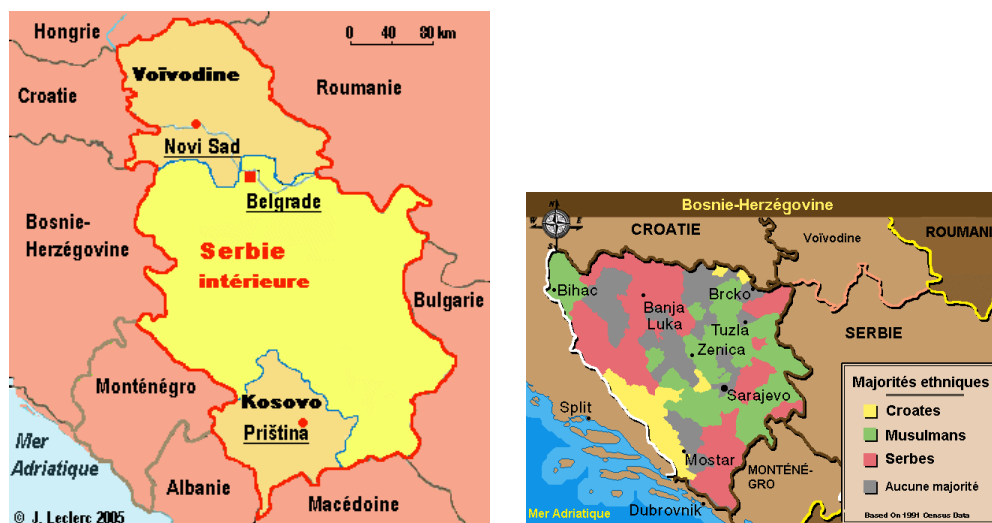


Figure 13.126: Serbia and Bosnia-Herzegovina (<http://www.tfq.ulaval.ca/axl/europe/serbie.htm> and [http://www.tfq.ulaval.ca/axl/europe/bosnieherzcarte\\_1.htm](http://www.tfq.ulaval.ca/axl/europe/bosnieherzcarte_1.htm) in [294])

```

9842 \def\mtctitle{Sadr\v{z}aj}%
9843 \def\mlftitle{Slike}%
9844 \def\mltttitle{Tabele}%
9845 \def\stctitle{Sadr\v{z}aj}%
9846 \def\slftitle{Slike}%
9847 \def\slttitle{Tabele}%
9848 </serbian>

```

### 13.166 “Serbianc” language: serbianc.mld

\cyr The titles for the “serbianc” language<sup>45</sup> have been gently provided by Marko ÈEHAJA and Frank KÜSTER. Cyrillic fonts are required. Serbocroatian is spoken by Serbs, Croats and Chernogors, but only Serbs and Chernogors use the cyrillic alphabet (a variant). See also section 13.165 on the page before.

<sup>45</sup>The “serbianc” language is written with cyrillic characters.



[1]

## ALPHABETI SERBORUM

c u m

viciniorum popularium et aliis cultioris Europae alphabetis παραλληλισμός.

Serb. graec.	Serb. lat.	Hun-gar.	Croat.	Car-niol.	Bo-hem	Polon.	Ger-man.	Ital.	Gall.	Angl.
А а а	a	á	a	a	á	a	α	a	a	—
Б б б	b	b	b	b	ǰ	b	β	b	b	b
В в в	v	v	v	v	ǰ	w	ϑ	v	v	v
Г г г	g	g	g	g	ǰ'	g	g	g: gara	g: gant	g: gold
Д д д	d	d	d	d	ǰ	d	δ	d	d	d
Ђ ђ ђ	dj, gj	gy	dy, gy	—	ǰ'	—	—	—	—	—
Е е е	e	e	e	e	e	e	e	e	e	e: bet
Ж ж ж	x	zs	s	sh	ǰ	z'	—	—	j	s: osier
З з з	z	z	z	s	ǰ	z	f: Iefen	s: rosa	z	z: razor
И и и	i	i	i	i	i	i	i	i	i	ee, y
Ј ј ј	j	j	j	j	g	i: ia	j	j	i: mien	y: yes
К к к	k	k	k	k	f	k	f	c: caro	c: car	k
Л л л	l	l	l	l	l	l?: wilk	l	l	l	l
Љ љ љ	lj	ly	ly	lj	—	l: li	—	gl: gli	il. ail	—
М м м	m	m	m	m	m	m	m	m	m	m
Н н н	n	n	n	n	u	n	n	n	n	n
Њ њ њ	nj	ny	ny	nj	ñ	ñ	—	gn	gn	—
О о о	o	o	o	o	o	o	o	o	o	o: note
П п п	p	p	p	p	p	p	p	p	p	p
Р р р	r	r	r	r	r	r	r	r	r	r
С с с	s	sz	sz	f	f, ð	s	f	s: sono	s: son	s: so
Т т т	t	t	t	t	t	t	t	t	t	t
Ђ ђ ђ	ch	ty	—	—	t'	—	—	—	—	—
У у у	u	u	u	u	u	u	u	u	ou	oo
Ф ф ф	f	f	f	f	f	f	f	f	f	f
Х х х	h?	h	h	h	ǰ	ch	ǰ	—	—	—
Ц ц ц	c	cz	cz	z	c	c	ǰ	z: zio	—	—
Ч ч ч	cs	cs	ch	zh	č	cs	f{ǰ}(?)	c: ciò	—	ch: child
Џ џ џ	—	—	—	—	—	—	—	ge	—	j
Ш ш ш	sc, sh	s	ss, sh	fh	f{ǰ}, ð	sz	f{ǰ}	sc: esce	ch: cher	sh
Ъ ъ ъ*)	—	—	—	—	—	—	—	—	—	—

\*) Nil sonat (nisi forte vocalem mutam), sed r literae, quae Serbis, sicut Bohemis, vel sola absque ulla vocali, syllabam facit, apponitur, ne eadem r litera ad praecedentem aut sequentem syllabam trahatur, e. g. умрѡ, грѡце, lege u-mr-o, gr-o-ce.

Figure 13.127: Serbian alphabets (cyrillic and latin) compared to other european alphabets ([http://en.wikipedia.org/wiki/Serbian\\_language](http://en.wikipedia.org/wiki/Serbian_language))

```

9849 (*serbianc)
9850 \ProvidesFile{serbianc.mld}[2006/01/13]%
9851 %% Serbian cyrillic titles. Marko Ěehaja Internut@Thetaworld.Org
9852 %% Frank Kűster, Biozentrum der Univ. Basel, frank@kuesterei.ch
9853 \def\ptctitle{{\cyr\CYRS\cyra\cyrd\cyrr\cyrzh\cyra\cyrje}}%
9854 \def\plftitle{{\cyr\CYRS\cyrl\cyri\cyrk\cyre}}%
9855 \def\pltttitle{\CYRT\cyra\cyrb\cyrl\cyri\cyrk\cyre}%
9856 \def\mtctitle{{\cyr\CYRS\cyra\cyrd\cyrr\cyrzh\cyra\cyrje}}%
9857 \def\mlftitle{{\cyr\CYRS\cyrl\cyri\cyrk\cyre}}%
9858 \def\mltttitle{\cyr\CYRT\cyra\cyrb\cyrl\cyri\cyrk\cyre}%
9859 \def\stctitle{{\cyr\CYRS\cyra\cyrd\cyrr\cyrzh\cyra\cyrje}}%
9860 \def\slftitle{{\cyr\CYRS\cyrl\cyri\cyrk\cyre}}%
9861 \def\sltttitle{\CYRT\cyra\cyrb\cyrl\cyri\cyrk\cyre}%
9862 </serbianc>

```

### 13.167 “Slovak” language: slovak.mld



Figure 13.128: Slovakia (<http://www.tfq.ulaval.ca/axl/europe/slovaquiecarte.htm> in [294] and [http://en.wikipedia.org/wiki/Districts\\_of\\_Slovakia](http://en.wikipedia.org/wiki/Districts_of_Slovakia); see also [http://en.wikipedia.org/wiki/List\\_of\\_traditional\\_regions\\_of\\_Slovakia](http://en.wikipedia.org/wiki/List_of_traditional_regions_of_Slovakia) by Kristian SLIMAK)



The titles for the “slovak” language (*slovenčina*, *slovenký jazyk*) are taken from the slovak.dtx file (Jana CHLEBÍKOVÁ and Tobias SCHLEMMER) in the babel package [60, 61, 72].

```

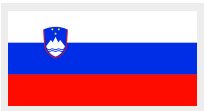
9863 (*slovak)
9864 \ProvidesFile{slovak.mld}[2006/01/13]%
9865 %% Slovak titles from slovak.dtx (babel). Chlebková, Jana & Schlemmer, Tobias. T1 encoding.
9866 \def\ptctitle{Obsah}%
9867 \def\plftitle{Zoznam obr\'azkov}%
9868 \def\pltttitle{Zoznam tabuliek}%
9869 \def\mtctitle{Obsah}%
9870 \def\mlftitle{Zoznam obr\'azkov}%
9871 \def\mltttitle{Zoznam tabuliek}%
9872 \def\stctitle{Obsah}%
9873 \def\slftitle{Zoznam obr\'azkov}%
9874 \def\sltttitle{Zoznam tabuliek}%
9875 </slovak>

```

## 13.168 “Slovene” language: slovene.mld



Figure 13.129: Slovenia (<http://www.tfq.ulaval.ca/axl/europe/sloveniecarte.htm> in [294] and [http://en.wikipedia.org/wiki/Slovene\\_language](http://en.wikipedia.org/wiki/Slovene_language))



The slovene language (*slovenščina*, *slovenski jezik*) is spoken in Slovenia, but somewhat also in Italy (Frioul), in Austria (Carinthia and Styria), in Hungary (Szlovéniék and Porabje), in West Germany and Sweden. The titles for the “slovene” language come from the `slovene.dtx` file (by Danilo ZAVRTANIK and LEON ŽLAJPAH) in the babel package [60, 61, 102]:

```

9876 (*slovene)
9877 \ProvidesFile{slovene.mld}[2006/01/13]%
9878 %% Slovene titles from slovene.dtx (babel). Zavrtnik, Danilo & \v{Z}lajpah, Leon
9879 \def\ptctitle{Kazalo}%
9880 \def\plftitle{Slike}%
9881 \def\pltttitle{Tabele}%
9882 \def\mtctitle{Kazalo}%
9883 \def\mlftitle{Slike}%
9884 \def\mltttitle{Tabele}%
9885 \def\stctitle{Kazalo}%
9886 \def\slftitle{Slike}%
9887 \def\sltttitle{Tabele}%
9888 /slovene

```



### 13.169 “Spanish” language: spanish.mld

The titles for the “spanish” (*español, castellano*) language are taken from the `spanish.dtx` file (by Javier BEZOS, initially by Julio SÁNCHEZ) in the `babel` package [48, 60, 61]. Note that the “spanish” language is in fact “castillan” (see section 13.35 on page 508). But note also that other languages are spoken in Spain: “basque” (section 13.19 on page 495), “catalan” (section 13.37 on page 508), and “galician” (section 13.66 on page 539); see figure 13.131 on page 622. Note that “spanish2” is a version of “spanish” with shorter titles (see section 13.170). And “spanish3” (see section 13.171 on page 623) is a version for the Antomega [272] project; some titles are different. And “spanish4” is a variant of “spanish” where `\ptctitle` is shorter for articles (section 13.172 on page 623).

```

9889 <*spanish>
9890 \ProvidesFile{spanish.mld}[2008/04/03]%
9891 % Spanish titles from spanish.dtx (babel) by Bezos, Javier & CervanTeX
9892 \expandafter\ifx\csname chapter\endcsname\relax
9893 \def\ptctitle{\'Indice}\else\def\ptctitle{\'Indice general}\fi
9894 \def\plftitle{\'Indice de figuras}%
9895 \def\plttitle{\'Indice de tablas}%
9896 %%
9897 \def\mtctitle{\'Indice}%
9898 \def\mlftitle{\'Indice de figuras}%
9899 \def\mlttitle{\'Indice de tablas}%
9900 \def\stctitle{\'Indice}%
9901 \def\slftitle{\'Indice de figuras}%
9902 \def\slttitle{\'Indice de tablas}%
9903 </spanish>

```

### 13.170 “Spanish2” language: spanish2.mld

The titles for the “spanish2” language are taken from the `spanish.dtx` file in the `babel` package [48, 60, 61], but made shorter for chapter and section levels. See section 13.169.

```

9904 <*spanish2>
9905 \ProvidesFile{spanish2.mld}[2008/04/03]%
9906 \def\ptctitle{\'Indice general}%
9907 \def\plftitle{\'Indice de figuras}%
9908 \def\plttitle{\'Indice de tablas}%
9909 \def\mtctitle{Contenido}%
9910 \def\mlftitle{Figuras}%
9911 \def\mlttitle{Tablas}%
9912 \def\stctitle{Contenido}%
9913 \def\slftitle{Figuras}%
9914 \def\slttitle{Tablas}%
9915 </spanish2>

```



Spain comprises 17 autonomous communities (see figure 13.130 above) in the whole country, including the Canary Islands, near Morocco<sup>a</sup>:

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>– Andalusia (<i>Andalucía</i>): castilian;</li> <li>– Aragon (<i>Aragón</i>): castilian ;</li> <li>– Principality of Asturias (<i>Principado de Asturias</i>): castilian;</li> <li>– Balearic Islands (<i>Islas Baleares</i>): castilian and catalan;</li> <li>– Basque Country (<i>Pais Vasco, Euskadi</i>): castilian and basque;</li> <li>– Canary Islands (<i>Canarias</i>): castilian;</li> <li>– Cantabria (<i>Cantabria</i>): castilian;</li> <li>– Castile-La Mancha (<i>Castilla y La Mancha</i>): castilian;</li> <li>– Castile and León (<i>Castilla y León</i>): castilian;</li> </ul> | <ul style="list-style-type: none"> <li>– Catalonia (<i>Cataluña / Catalunya</i>): castilian and catalan;</li> <li>– Extremadura (<i>Extremadura</i>): castilian;</li> <li>– Galicia (<i>Galicia</i>): castilian and galician;</li> <li>– La Rioja: castilian;</li> <li>– Madrid (<i>Madrid</i>): castilian;</li> <li>– Region of Murcia (<i>Region de Murcia</i>): castilian.</li> <li>– Foral Community of Navarre (<i>Comunidad Foral de Navarra</i>): castilian and basque;</li> <li>– Valencian Community (<i>Comunidad Valenciana</i>): castilian and catalan (valencian);</li> </ul> |
|---|--|

<sup>a</sup> Ceuta and Melilla are spanish enclaves on the northern coast of Morocco.

Figure 13.130: The 17 autonomous communities in Spain ([http://en.wikipedia.org/wiki/Autonomous\\_communities\\_of\\_Spain](http://en.wikipedia.org/wiki/Autonomous_communities_of_Spain) and [http://www.tfq.ulaval.ca/axl/europe/espagne\\_carte.htm](http://www.tfq.ulaval.ca/axl/europe/espagne_carte.htm) in [294])

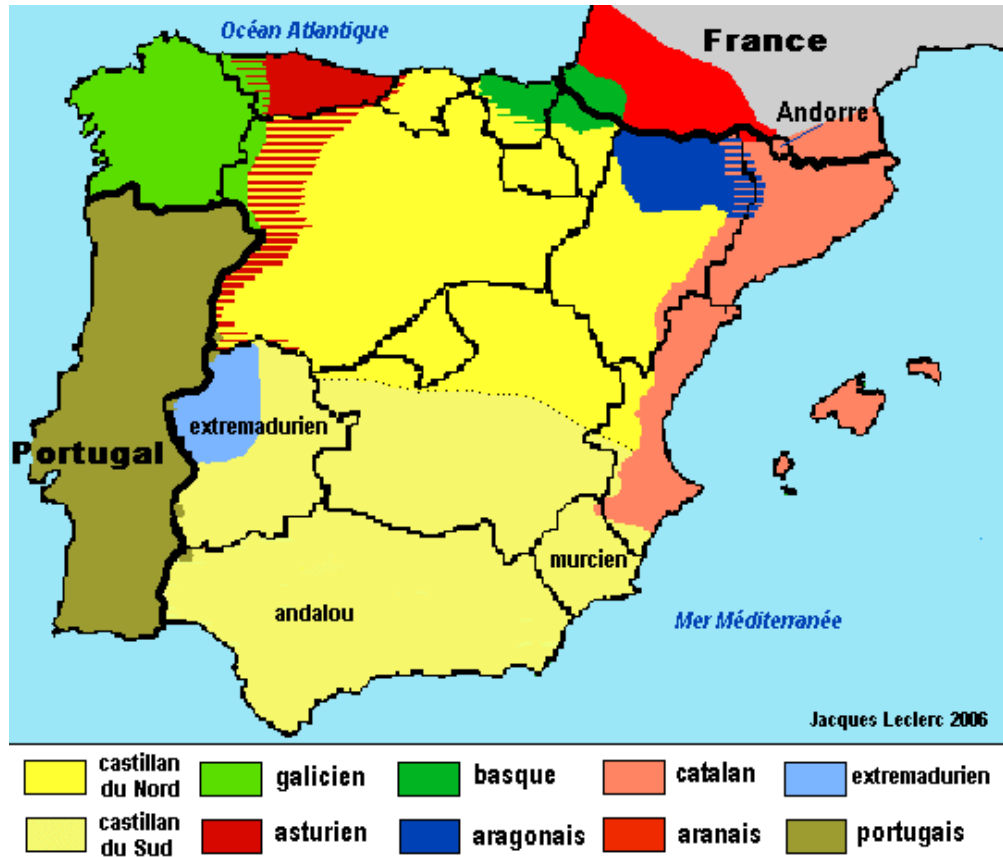


Figure 13.131: Languages in Spain ([http://www.tfq.ulaval.ca/axl/europe/espagne\\_carte-Ing.htm](http://www.tfq.ulaval.ca/axl/europe/espagne_carte-Ing.htm) in [294])

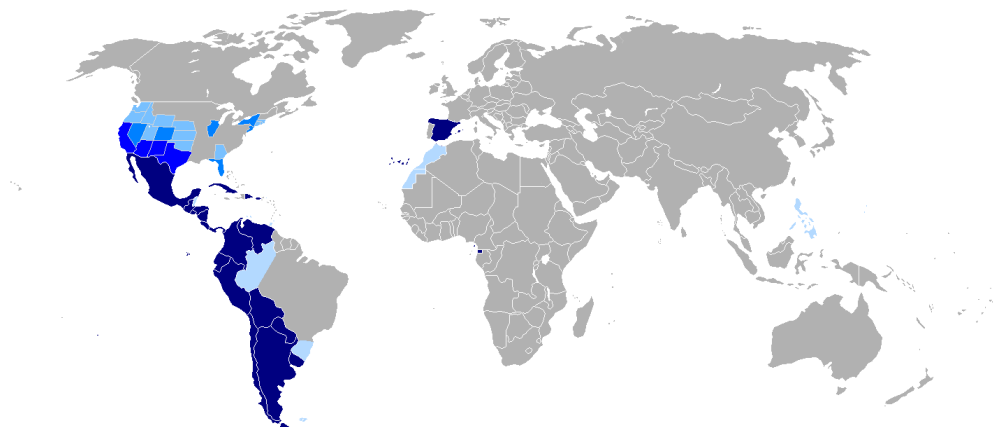


Figure 13.132: Hispanophone areas ([http://simple.wikipedia.org/wiki/Spanish\\_language](http://simple.wikipedia.org/wiki/Spanish_language) by Onofre BONVILA)

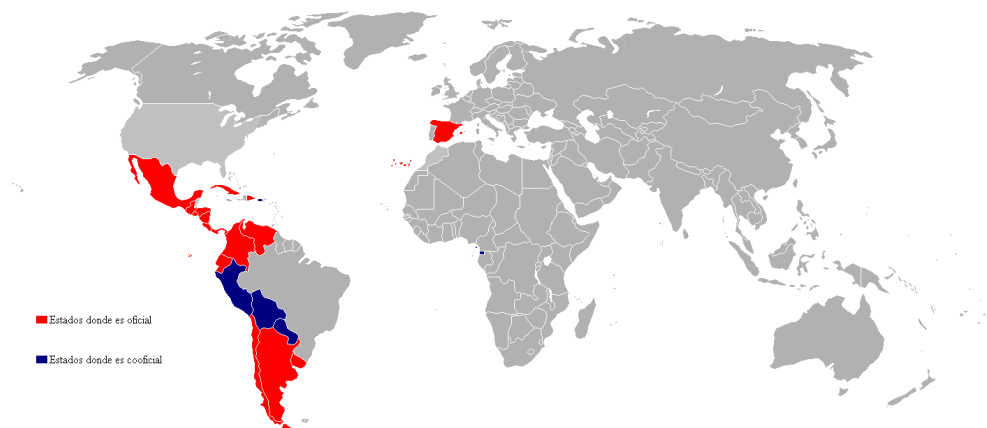


Figure 13.133: States where spanish (castillan) is an official language (red: the only one, blue: co-official) ([http://es.wikipedia.org/wiki/Idioma\\_esp~nol](http://es.wikipedia.org/wiki/Idioma_esp~nol))

### 13.171 “Spanish3” language: spanish3.mld

`\localspanish` The titles for the “spanish3” language are taken from the `omega-spanish.ldf` file (by Alexej M. Kryukov) of the Antomega project [272]. See section 13.169 on page 620.

```

9916 <(*spanish3)
9917 \ProvidesFile{spanish3.mld}[2005/09/06]%
9918 %% Spanish titles from omega-spanish.ldf of the Antomega project.
9919 \def\ptctitle{\localspanish{^^^00cdndice general}}%
9920 \def\plftitle{\localspanish{^^^00cdndice de figuras}}%
9921 \def\pltttitle{\localspanish{^^^00cdndice de cuadros}}%
9922 \def\mtctitle{\localspanish{^^^00cdndice general}}%
9923 \def\mlfttitle{\localspanish{^^^00cdndice de figuras}}%
9924 \def\mltttitle{\localspanish{^^^00cdndice de cuadros}}%
9925 \def\stctitle{\localspanish{^^^00cdndice general}}%
9926 \def\slfttitle{\localspanish{^^^00cdndice de figuras}}%
9927 \def\sltttitle{\localspanish{^^^00cdndice de cuadros}}%
9928 </spanish3>

```

### 13.172 “Spanish4” language: spanish4.mld

The titles for the “spanish4” language are taken from the `spanish.dtx` file (by Javier Bezos) from the `CervanTeX` package [47]. The title of the parttocs is shorter for articles. See also section 13.169 on page 620.

```

9929 <(*spanish4)
9930 \ProvidesFile{spanish4.mld}[2006/01/19]%
9931 %% Spanish titles (from spanish.dtx in CervanTeX) Bezos, Javier

```



Figure 13.134: Hispanophone countries and regions ([http://en.wikipedia.org/wiki/Spanish\\_Language](http://en.wikipedia.org/wiki/Spanish_Language))

```

9932 \expandafter\ifx\csname chapter\endcsname\relax
9933 \def\ptctitle{\'Indice} \else \def\ptctitle{\'Indice general} \fi
9934 \def\plftitle{\'Indice de figuras}%
9935 \def\plttitle{\'Indice de cuadros}%
9936 %%
9937 \def\mtctitle{\'Indice}%

```

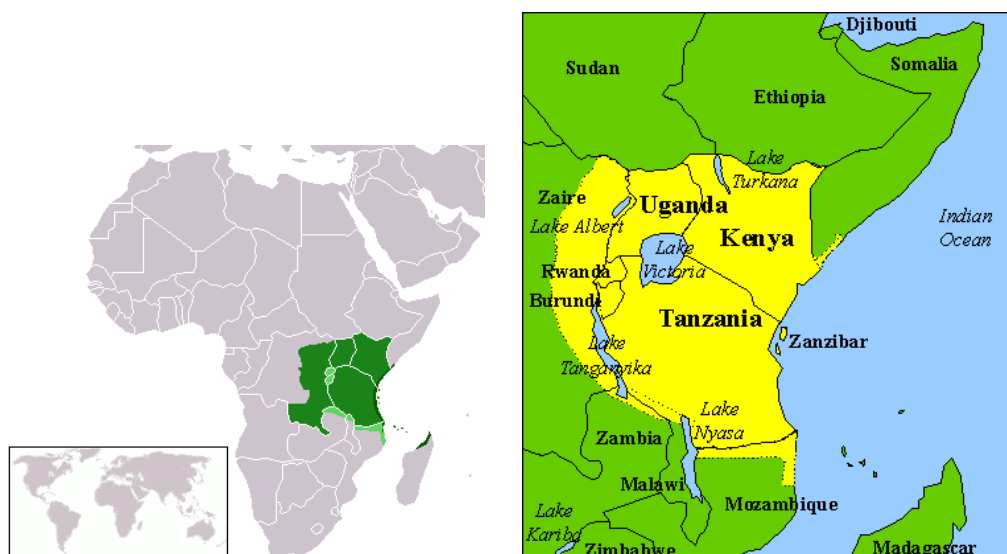


```

9938 \def\mlfttitle{\'Indice de figuras}%
9939 \def\mltttitle{\'Indice de cuadros}%
9940 \def\stcttitle{\'Indice}%
9941 \def\slfttitle{\'Indice de figuras}%
9942 \def\sltttitle{\'Indice de cuadros}%
9943 </spanish4>

```

### 13.173 “Swahili” language: swahili.mld



The areas where Swahili is spoken as a native language (dark green), official or national language (medium green), and trade language (light green). As a trade language, it extends some distance further to the northwest.

Figure 13.135: Swahili language areas ([http://en.wikipedia.org/wiki/Swahili\\_language](http://en.wikipedia.org/wiki/Swahili_language) and <http://si.unm.edu/linguistics/swahili/swahili>)

The titles for the “swahili” language (*kiswahili*) are taken from the *obsolete swahili.tex* file<sup>46</sup>, with adaptations and corrections given on the *comp.text.tex* news group (messages 57662, 57713, and 57717) by Giancarlo BASSI and Enrico GREGORIO. Swahili is the main Bantu language and is spoken in East Africa: Tanzania, Kenya, Uganda, Rwanda, Burundi, Zanzibar and in the area of the Great Lakes in the Democratic Republic of Congo (Congo-Kinshasa, formerly Zaire) and in the Republic of Congo (Congo-Brazzaville), in the north of Mozambique and the south of Somalia<sup>47</sup>. See [135, page 991] and figure 13.135.

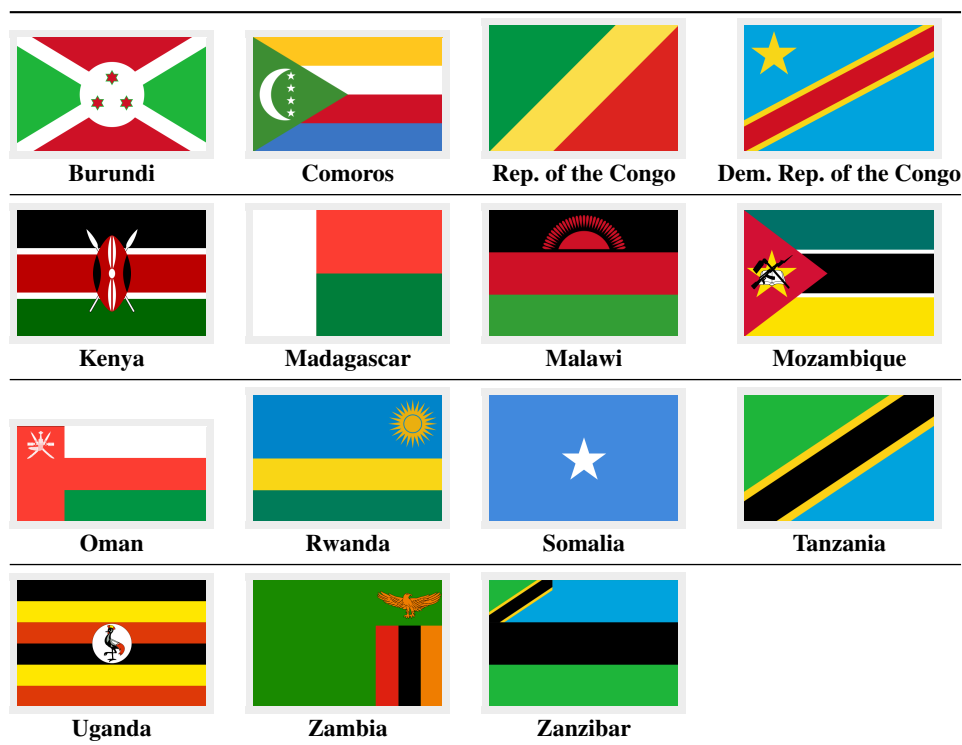
```

9944 (*swahili)
9945 \ProvidesFile{swahili.mld}[2007/07/02]%
9946 %% Swahili titles from swahili.tex in articles: 57662,57713,57717
9947 %% in comp.text.tex by Giancarlo Bassi <g.bassi@iperbole.bologna.it>

```

<sup>46</sup> <http://www.dante.de/tex-archive/obsolete/macros/latex209/contrib/ml/swahili.tex>

<sup>47</sup> See <http://www.tfq.ulaval.ca/AXL/monde/swahili.htm>, <http://www.tfq.ulaval.ca/axl/afrique/czaire.htm> in [294], [http://www.glgcom.com/hassan/swahili\\_history.html](http://www.glgcom.com/hassan/swahili_history.html), and <http://www.omniglot.com/writing/swahili.htm>.

Figure 13.136: Swahili-speaking countries ([http://en.wikipedia.org/wiki/swahili\\_language](http://en.wikipedia.org/wiki/swahili_language))

```

9948% & Enrico Gregorio <gregorio@math.unipd.it>
9949 \def\ptctitle{Yaliyomo}%
9950 \def\plftitle{Picha zilizomo}%
9951 \def\plttitle{Orodha ya Mfano}%
9952 \def\mtctitle{Yaliyomo}%
9953 \def\mlftitle{Picha zilizomo}%
9954 \def\mlttitle{Orodha ya Mfano}%
9955 \def\stctitle{Yaliyomo}%
9956 \def\slftitle{Picha zilizomo}%
9957 \def\slttitle{Orodha ya Mfano}%
9958 \swahili

```



### 13.174 “Swedish” language: `swedish.mld`

The titles for the “swedish” (*svenska*) language come from the `swedish.dtx` file (by Sten HELLMAN and Erik ÖSTHOLS, with a correction by Jan Michael RYNNING) in the `babel` package [60, 61, 77]. The swedish language is spoken in Sweden and in some regions of Finland like the Åland Islands (see figure 13.137 on the following page). See also section 13.175 on page 628.



Figure 13.137: Swedish language areas (<http://www.lib.utexas.edu/maps/sweden.html> – Courtesy of the University of Texas Libraries, The University of Texas at Austin [395], [http://en.wikipedia.org/wiki/Swedish\\_language](http://en.wikipedia.org/wiki/Swedish_language), [http://www.tfq.ulaval.ca/axl/europe/finlande-2demo\\_ing.htm](http://www.tfq.ulaval.ca/axl/europe/finlande-2demo_ing.htm) and <http://www.tfq.ulaval.ca/axl/EtatsNsouverains/aland.htm> in [294])

```

9959 (*swedish)
9960 \ProvidesFile{swedish.mld}[2006/01/13]%
9961 %% Swedish titles from swedish.dtx (babel). Hellman, Sten & Östhols, Erik
9962 \def\ptctitle{Inneh\csname aa\endcsname ll}%
9963 \def\plftitle{Figurer}%
9964 \def\pltttitle{Tabeller}%
9965 \def\mtctitle{Inneh\csname aa\endcsname ll}%
9966 \def\mlftitle{Figurer}%
9967 \def\mltttitle{Tabeller}%
9968 \def\stctitle{Inneh\csname aa\endcsname ll}%
9969 \def\slftitle{Figurer}%
9970 \def\slttitle{Tabeller}%
9971 </swedish>

```

### 13.175 “Swedish2” language: `swedish2.mld`

The titles for the “swedish2” language (variant for swedish) are taken from the `rapport.doc` file (by Sven MATTISSON) in the `SLATEX` package [318]. See also section 13.174 on page 626.

```

9972 (*swedish2)
9973 \ProvidesFile{swedish2.mld}[2006/04/04]%
9974 %% Swedish2 titles from rapport.doc (slatex). Mattisson, Sven (sven@tde.lu.se)
9975 \def\ptctitle{Inneh\csname aa\endcsname ll}%
9976 \def\plftitle{Figurf\ "orteckning}%
9977 \def\pltttitle{Tabellf\ "orteckning}%
9978 \def\mtctitle{Inneh\csname aa\endcsname ll}%
9979 \def\mlftitle{Figurf\ "orteckning}%
9980 \def\mltttitle{Tabellf\ "orteckning}%
9981 \def\stctitle{Inneh\csname aa\endcsname ll}%
9982 \def\slftitle{Figurf\ "orteckning}%
9983 \def\slttitle{Tabellf\ "orteckning}%
9984 </swedish2>

```

### 13.176 “Thai” language: `thai.ml[d|o]`

ไทย



The titles for the “thai” language come from the `thaicjk.ldf` file (by Werner LEMBERG) and use fonts of the CJK system [127, 297, 298]. The `thailatex` package [320] (by Surapant MEKNAVIN, Theppitak KAROONBOONYANAN, Chanop SILPA-ANAN and Veerathanabutr POONLAP) provides the same titles in its `thai.ldf` file.

`\mtcloadmlo` The titles for the “thai” language contain characters that cannot be easily generated, hence we load `thai.mlo`. See also [255].



Figure 13.138: Thai language areas ([http://www.tfq.ulaval.ca/axl/monde/fam\\_tai-kadai.htm](http://www.tfq.ulaval.ca/axl/monde/fam_tai-kadai.htm) and <http://www.tfq.ulaval.ca/axl/asi/thaïlande.htm> in [294])

```

9985 (*thai)
9986 \ProvidesFile{thai.mld}[2005/01/28]\mtcloadmlo{thai}%
9987 %% From thaicjk.ldf CJK 4.5.2 Thai support for the babel system
9988 %% by Werner Lemberg <wl@gnu.org>
9989 </thai>

```

### 13.177 “Turkish” language: turkish.mld

---

a b c ç d e f g ğ h ı i j k l m n o ö p r s ş t u ü v y z

A B C Ç D E F G Ğ H I İ J K L M N O Ö P R S Ş T U Ü V Y Z

---

Figure 13.139: The turkish alphabet

The The turkish language (*türkçe*) is spoken mainly in Turkey and in Cyprus. The titles for the “turkish” language are taken from the turkish.dtx file (by Mustafa BURC, Pierre A. MACKEY and Turgut UYAR) in the babel package [60, 61, 68].

```

9990 (*turkish)
9991 \ProvidesFile{turkish.mld}[2007/12/18]%
9992 %% Turkish titles from turkish.dtx (babel). Burc, Mustafa
9993 \def\ptctitle{\.I\c cindekiler}%

```

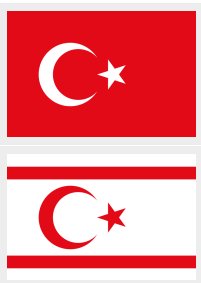
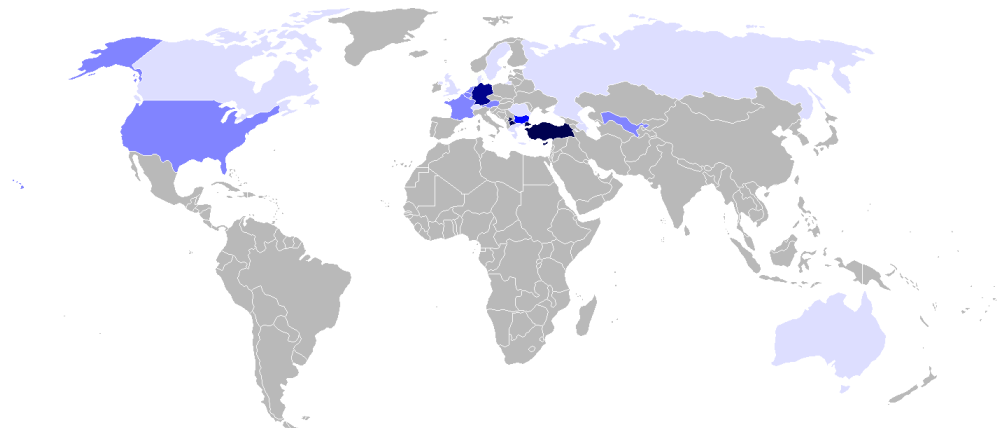




Figure 13.140: Turkey ([http://www.tfq.ulaval.ca/axl/asie/turquie\\_1general.htm](http://www.tfq.ulaval.ca/axl/asie/turquie_1general.htm) in [294])



<b>black</b>	Official language: Turkey, Cyprus, Republic of Macedonia (at municipal level), Kosovo (a former part of Serbia administered by United Nations as of 2006 and who proclaimed independence on February 17, 2008; see figure 13.13 on page 484).	<b>medium blue</b>	Between 100,000 – 500,000 speakers: France, Netherlands, Belgium, Austria, United States, Uzbekistan.
<b>dark blue</b>	More than 1,000,000 speakers: Germany.	<b>sky blue</b>	Between 25,000 – 100,000 speakers: Greece, United Kingdom, Australia, Canada, Russia, Sweden, Denmark, Switzerland, Romania, Azerbaijan.
<b>blue</b>	Between 500,000 – 1,000,000 speakers: Bulgaria.	<b>white</b>	Less than 25,000 speakers / none.

Figure 13.141: Turkish language in the world ([http://en.wikipedia.org/wiki/Turkish\\_language](http://en.wikipedia.org/wiki/Turkish_language))

```

9994 \def\plftitle{\c Sekil Listesi}%
9995 \def\pltttitle{Tablo Listesi}%
9996 \def\mtctitle{\.I\c cindekiler}%
9997 \def\mlftitle{\c Sekil Listesi}%
9998 \def\mltttitle{Tablo Listesi}%
9999 \def\stctitle{\.I\c cindekiler}%
10000 \def\slftitle{\c Sekil Listesi}%
10001 \def\slttitle{Tablo Listesi}%
10002 </turkish>

```

### 13.178 “Uighur” language: uighur.mld



Figure 13.142: Uighur language areas (<http://www.lmp.ucla.edu/Profile.aspx?LangID=69&menu=004> in [229])

`\mtcselectlanguage` The “uighur” and “bicig” languages are synonyms, so we just load the `bicig.mld` file (see section 13.21 on page 496):



```

10003 < *uighur >
10004 \ProvidesFile{uighur.mld}[2006/05/31]\mtcselectlanguage{bicig}%
10005 </uighur >

```

### 13.179 “Uighur2” language: uighur2.mld

`\mtcselectlanguage` The “uighur2” and “bicig2” languages are synonyms, so we just load the `bicig2.mld` file (see section 13.22 on page 496):

```

10006 < *uighur2 >
10007 \ProvidesFile{uighur2.mld}[2006/05/31]\mtcselectlanguage{bicig2}%
10008 </uighur2 >

```



Figure 13.143: Xinjiang Uygur Autonomous Region (<http://en.wikipedia.org/?title=Xinjiang> and <http://www.tourroundchina.com/map/xinjiang.htm>; see also <http://www.tfq.ulaval.ca/axl/asie/chine-region-auto-ouigoure-Xinjiang.htm> in [294])

### 13.180 “Uighur3” language: `uighur3.mld`

`\mtcselectlanguage` The “uighur3” and “bicig3” languages are synonyms, so we just load the `bicig3.mld` file (see section 13.21 on page 496):

```
10009 ⟨*uighur3⟩
10010 \ProvidesFile{uighur3.mld}[2006/05/31]\mtcselectlanguage{bicig3}%
10011 ⟨/uighur3⟩
```

### 13.181 “UKenglish” language: `UKenglish.mld`

`\mtcselectlanguage` The “UKenglish” language is just like “english” (“UK” is for “United Kingdom”), so we just load `english.mld` (see section 13.45 on page 518):



```
10012 ⟨*UKenglish⟩
10013 \ProvidesFile{UKenglish.mld}[2005/07/11]\mtcselectlanguage{english}%
10014 ⟨/UKenglish⟩
```



### 13.182 “Ukraineb” language: ukraineb.mld

`\mtcselectlanguage` The “ukraineb” language is a synonym for “ukrainian”, so we just load `ukrainian.mld`. See section [13.183](#).

```
10015 ⟨*ukraineb⟩
10016 \ProvidesFile{ukraineb.mld}[2007/12/04]\mtcselectlanguage{ukrainian}%
10017 ⟨/ukraineb⟩
```

### 13.183 “Ukrainian” language: ukrainian.mld



`\cyr` The titles for the “ukrainian” language (*ukrayins’ka mova*) come from the `ukraineb.dtx` file (by Olga G. LAPKO, Andrij M. SHVAIKA, Vladimir VOLOVICH, and Werner LEMBERG) in the `babel` package [[60](#), [61](#), [97](#)]. Cyrillic fonts are required. Another language name is `ukraineb` (see section [13.182](#)).

```
10018 ⟨*ukrainian⟩
10019 \ProvidesFile{ukrainian.mld}[2006/01/33]%
10020 %% Ukrainian titles from ukraineb.dtx (babel). Shvaika, Andrij & Lapko, Olga
10021 %% Needs cyrillic fonts
10022 \def\mtctitle{{\cyr\CYZ\cyrm\cyrii\cyrs\cyrt}}%
10023 \def\mlftitle{{\cyr\CYRP\cyre\cyrr\cyre\cyrl\cyrii\cyrk
10024     \ \cyrii\cyrl\cyryu\cyrs\cyrt\cyrr\cyra\cyrc\cyrii\cyrishrt}}%
10025 \def\mltttitle{{\cyr\CYRP\cyre\cyrr\cyre\cyrl\cyrii\cyrk
10026     \ \cyrt\cyra\cyrb\cyrl\cyri\cyrc\cyrsfts}}%
10027 \def\ptctitle{{\cyr\CYZ\cyrm\cyrii\cyrs\cyrt}}%
10028 \def\plftitle{{\cyr\CYRP\cyre\cyrr\cyre\cyrl\cyrii\cyrk
10029     \ \cyrii\cyrl\cyryu\cyrs\cyrt\cyrr\cyra\cyrc\cyrii\cyrishrt}}%
10030 \def\pltttitle{{\cyr\CYRP\cyre\cyrr\cyre\cyrl\cyrii\cyrk
10031     \ \cyrt\cyra\cyrb\cyrl\cyri\cyrc\cyrsfts}}%
10032 \def\stctitle{{\cyr\CYZ\cyrm\cyrii\cyrs\cyrt}}%
10033 \def\slftitle{{\cyr\CYRP\cyre\cyrr\cyre\cyrl\cyrii\cyrk
10034     \ \cyrii\cyrl\cyryu\cyrs\cyrt\cyrr\cyra\cyrc\cyrii\cyrishrt}}%
10035 \def\sltttitle{{\cyr\CYRP\cyre\cyrr\cyre\cyrl\cyrii\cyrk
10036     \ \cyrt\cyra\cyrb\cyrl\cyri\cyrc\cyrsfts}}%
10037 ⟨/ukrainian⟩
```

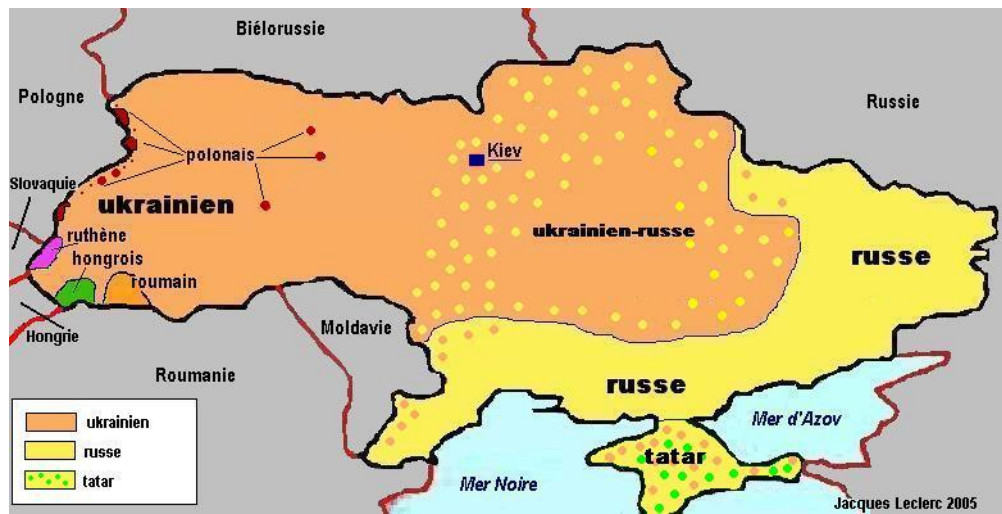


Figure 13.144: Languages in Ukraine (<http://www.tfq.ulaval.ca/axl/europe/ukraine-1demo.htm> in [294])



Figure 13.145: Ukraine ([http://en.wikipedia.org/wiki/Wikipedia:WikiProject\\_Ukraine/Subdivisions](http://en.wikipedia.org/wiki/Wikipedia:WikiProject_Ukraine/Subdivisions))

### 13.184 “Uppersorbian” language: `uppersorbian.mld`



The titles for the “uppersorbian” language<sup>48</sup> (*hornjoserbsce*, *hornjoserbšćiba*) are taken from the `usorbian.dtx` file (by Eduard WERNER) in the `babel` package [60, 61, 100]. See also section 13.113 on page 574. A shorter language name is `usorbian` (see section 13.186).

```
10038 (*uppersorbian)
10039 \ProvidesFile{uppersorbian.mld}[2006/02/38]%
10040 %% Upper sorbian titles from usorbian.dtx (babel). Needs cyrillic fonts. Werner, Eduard
10041 \def\ptctitle{Wobsah}%
10042 \def\plftitle{Zapis wobrazow}%
10043 \def\pltttitle{Zapis tabulkow}%
10044 \def\mtctitle{Wobsah}%
10045 \def\mlftitle{Zapis wobrazow}%
10046 \def\mltttitle{Zapis tabulkow}%
10047 \def\stctitle{Wobsah}%
10048 \def\slftitle{Zapis wobrazow}%
10049 \def\slttitle{Zapis tabulkow}%
10050 \end{uppersorbian}
```

### 13.185 “USenglish” language: `USenglish.mld`

`\mtcselectlanguage` The “USenglish” language (“US” is for “United States (of America)”) is just like “english”<sup>49</sup>, so we just load `english.mld` (see section 13.45 on page 518):



```
10051 (*USenglish)
10052 \ProvidesFile{USenglish.mld}[2005/07/11]\mtcselectlanguage{english}%
10053 \end{USenglish}
```

### 13.186 “Usorbian” language: `usorbian.mld`

`\mtcselectlanguage` The “usorbian” language is a synonym for “uppersorbian”, so we just have to load `uppersorbian.mld`. See section 13.184.

```
10054 (*usorbian)
10055 \ProvidesFile{usorbian.mld}[2007/12/04]\mtcselectlanguage{uppersorbian}%
10056 \end{usorbian}
```

<sup>48</sup>Upper sorbian. Sorbian, or wendisch, is a member of the west slavic subgroup of indo-european languages spoken in Upper Lusatia in the german *länder* of Saxony and Brandenburg. The Sorbs are descendents of the Wends, the german name for the slavic tribes who occupied the area between the Elbe and Saale rivers in the west and the Odra (Oder) river in the east during the medieval period (vi-th century).

<sup>49</sup>It should be true for the mini-table titles; the languages themselves have some differences, like the hyphenation rules, see [http://en.wikipedia.org/wiki/American\\_English](http://en.wikipedia.org/wiki/American_English).

## 13.187 “Vietnam” language: vietnam.mld

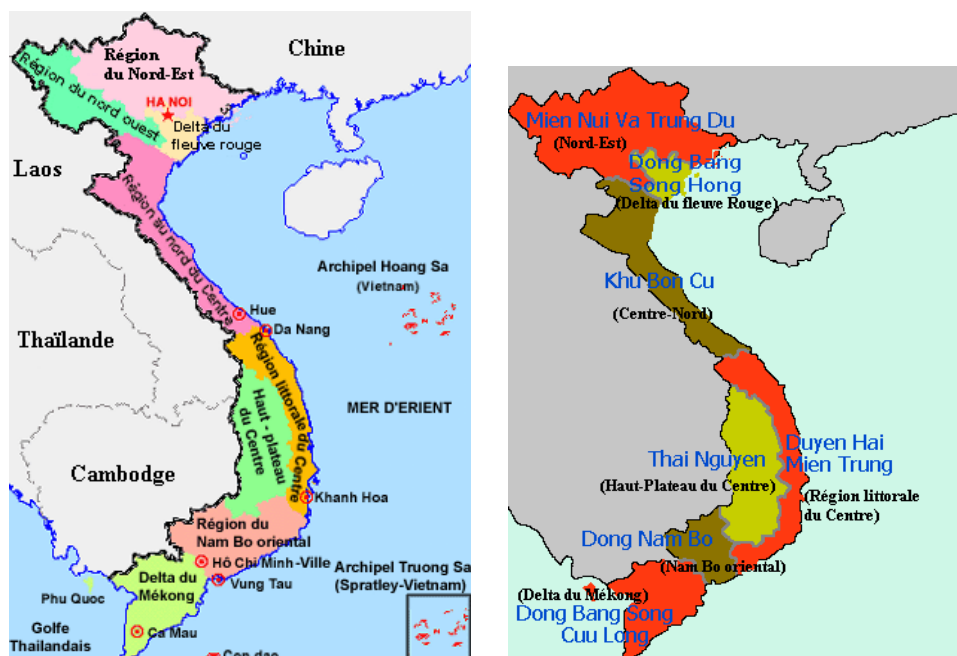


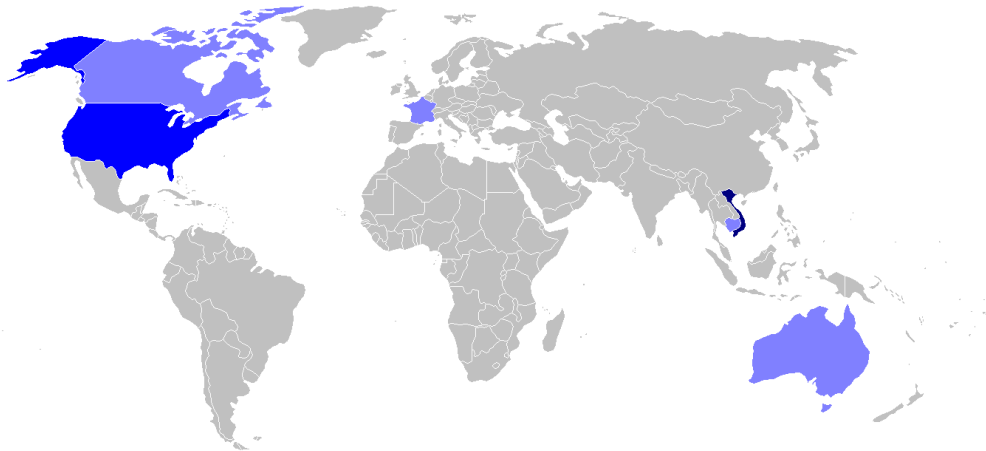
Figure 13.146: Vietnam ([http://www.tlfq.ulaval.ca/axl/asia/vietnam\\_carte2-prov.htm](http://www.tlfq.ulaval.ca/axl/asia/vietnam_carte2-prov.htm) in [294])

The titles for the “vietnam” language (*tiếng việt*) are taken from the vietnam package [299] (by Werner LEMBERG and Thế Thành HÀN). Vietnamese fonts are required; see [206, 208]. The vietnamese language is spoken in Vietnam and in the vietnamese diaspora (see figures 13.146 to 13.148 on pages 636–638). See also section 13.188 on the following page.

```

10057 <(*vietnam)
10058 \ProvidesFile{vietnam.mld}[1999/03/16]% Vietnamese titles
10059 \def\ptctitle{M\d{u}c l\d{u}c}%
10060 \def\plftitle{Danh s\ 'ach h\ 'inh v\~e}%
10061 \def\plttitle{Danh s\ 'ach b\h{a}ng}%
10062 \def\mtctitle{M\d{u}c l\d{u}c}%
10063 \def\mlftitle{Danh s\ 'ach h\ 'inh v\~e}%
10064 \def\mlttitle{Danh s\ 'ach b\h{a}ng}%
10065 \def\stctitle{M\d{u}c l\d{u}c}%
10066 \def\slftitle{Danh s\ 'ach h\ 'inh v\~e}%
10067 \def\slttitle{Danh s\ 'ach b\h{a}ng}%
10068 </vietnam)

```



The creation of the vietnamese alphabet is officially attributed to the Jesuit Alexandre DE RHODES<sup>†</sup> in 1623. Born at Avignon on March 15th, 1591, died on November 5th, 1660, at Ispahan, he was a Jesuit priest who spent six years in Vietnam (1624 – 1630) for his catholic missions and systematized the “(Chữ) Quốc Ngữ”, or “script for the national language”, the romanized script of the vietnamese language (see [http://fr.wikipedia.org/wiki/Alexandre\\_de\\_Rhodes](http://fr.wikipedia.org/wiki/Alexandre_de_Rhodes)). It is a latin alphabet with the addition of many diacritic marks to note the phonetic value of some letters and the tunes of the language (see [http://fr.wikipedia.org/wiki/Qu%E1%BB%91c\\_ng%E1%BB%AF](http://fr.wikipedia.org/wiki/Qu%E1%BB%91c_ng%E1%BB%AF)).

See also [http://rarfaxp.riken.go.jp/~dang/rhodes\\_motive.html](http://rarfaxp.riken.go.jp/~dang/rhodes_motive.html) for a resume of the modern story and <http://www.cjvlang.com/Writing/writviet.html> for an introduction to this writing system. See also [245] about the portuguese predecessors of Alexandre DE RHODES.

Figure 13.147: The vietnamese language in the world ([http://en.wikipedia.org/wiki/Vietnamese\\_language](http://en.wikipedia.org/wiki/Vietnamese_language))

### 13.188 “Vietnamese” language: vietnamese.mld

`\mtcselectlanguage` The “vietnamese” language is just a synonym for the “vietnam” language. So we just load `vietnam.mld`. Vietnamese fonts are required. See also section 13.187 on the page before.

```
10069 (*vietnamese)
10070 \ProvidesFile{vietnamese.mld}[2004/12/14]\mtcselectlanguage{vietnam}%
10071 </vietnamese>
```

### 13.189 “Welsh” language: welsh.mld



The titles for the “welsh” language (*cymraeg*) come from the `welsh.dtx` file (by Johannes L. BRAAMS) in the babel package [59–61]:

```
10072 (*welsh)
10073 \ProvidesFile{welsh.mld}[1999/12/06]%
10074 %% Welsh titles from welsh.dtx (babel), by Braams, Johannes-L.
10075 \def\ptctitle{Cynnwys}%
10076 \def\plftitle{Rhestr Ddarluniau}%
```

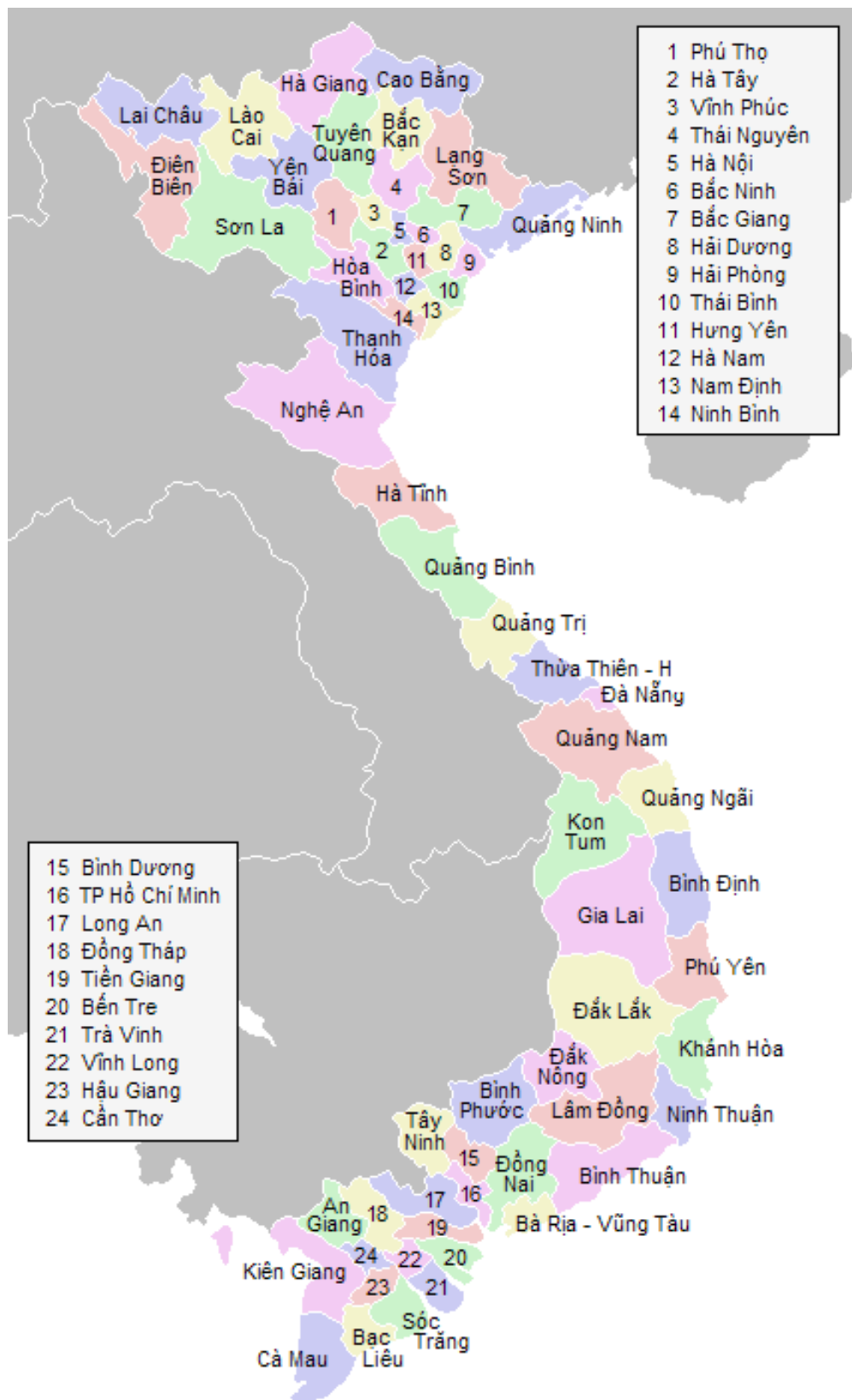


Figure 13.148: Provinces of Vietnam ([http://fr.wikipedia.org/wiki/Administration\\_du\\_Viêt\\_Nam](http://fr.wikipedia.org/wiki/Administration_du_Viêt_Nam))

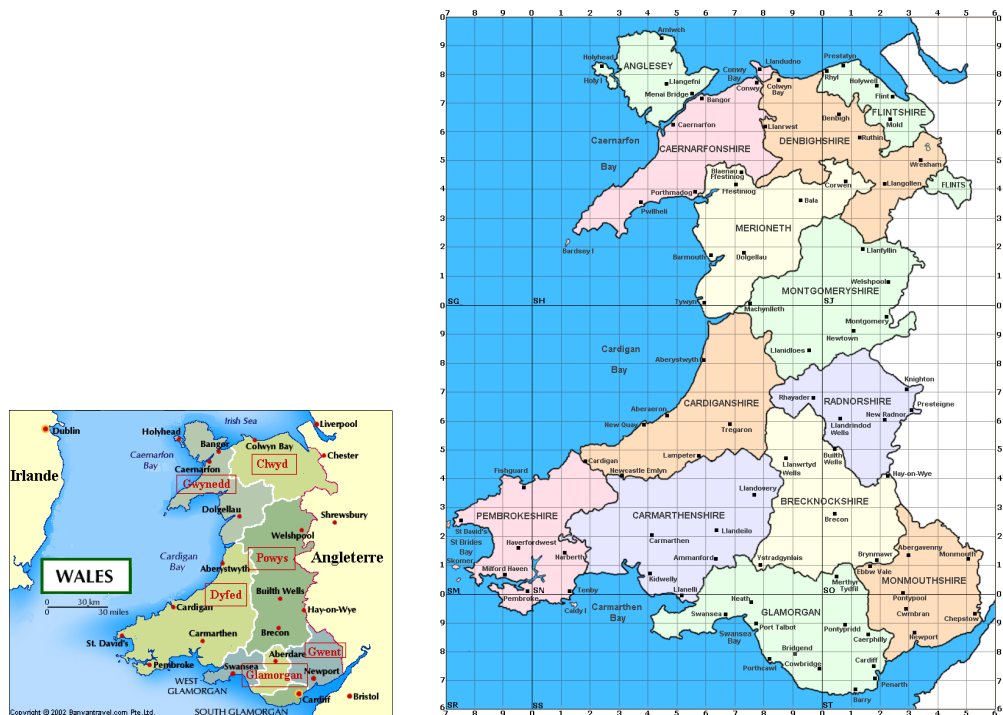


Figure 13.149: Wales (<http://www.tifq.ulaval.ca/axl/europe/paysgallescarte.htm> in [294] and <http://homepage.ntlworld.com/geogdata/ngw/map.htm> in the *National Gazetteer of Wales*)

```

10077 \def\pltttitle{Rhestr Dablau}%
10078 \def\mtctitle{Cynnwys}%
10079 \def\mlfttitle{Rhestr Ddarluniau}%
10080 \def\mltttitle{Rhestr Dablau}%
10081 \def\stctitle{Cynnwys}%
10082 \def\slfttitle{Rhestr Ddarluniau}%
10083 \def\sltttitle{Rhestr Dablau}%
10084 </wesh>

```

### 13.190 “Xalx” language: xalx.mld

\mnr The titles for the “xalx” language are taken from the  $\text{MONT}\text{E}\text{X}$  package [137, 140] (by Oliver CORFF and Dorjpalam DORJ). Xalx (Khalkha) is the name of the Mongolian nationality residing in Mongolia proper. See figure 13.150 on the following page. Their dialect forms the basis of Mongolian written with Cyrillic letters. See also sections 13.102 on page 568 and 13.191 to 13.192 on pages 640–641.

```

10085 < *xalx>
10086 \ProvidesFile{xalx.mld}[2005/11/16]%
10087 % Mongol (xalx) titles

```



Figure 13.150: Khalkha language areas (<http://www.tfq.ulaval.ca/AXL/asie/Mongolie.htm>)

```

10088 \def\ptctitle{{\mnr Garqig}}%
10089 \def\plftitle{{\mnr Zurgi" in jagsaalt}}%
10090 \def\pltttitle{{\mnr X"usn"agti" in jagsaalt}}%
10091 \def\mtctitle{{\mnr Garqig}}%
10092 \def\mlftitle{{\mnr Zurgi" in jagsaalt}}%
10093 \def\mltttitle{{\mnr X"usn"agti" in jagsaalt}}%
10094 \def\stctitle{{\mnr Garqig}}%
10095 \def\slftitle{{\mnr Zurgi" in jagsaalt}}%
10096 \def\sltttitle{{\mnr X"usn"agti" in jagsaalt}}%
10097 </xalx>

```

### 13.191 “Xalx2” language: xalx2.mld

`\mnr` The titles for the “xalx2” language are taken from the `MonTeX` package [137, 140] (by Oliver CORFF and Dorjpalam DORJ). This is a variant for the “xalx” language (see section 13.190 on the preceding page).

```

10098 (*xalx2)
10099 \ProvidesFile{xalx2.mld}[2006/03/31]%
10100 %% Mongol (xalx2) titles

```



```

10101 \def\ptctitle{\mnr Aguulga}}%
10102 \def\plftitle{\mnr Zurgi"in jagsaalt}}%
10103 \def\pltttitle{\mnr X"usn"agti"in jagsaalt}}%
10104 \def\mtctitle{\mnr Aguulga}}%
10105 \def\mlftitle{\mnr Zurgi"in jagsaalt}}%
10106 \def\mltttitle{\mnr X"usn"agti"in jagsaalt}}%
10107 \def\stctitle{\mnr Aguulga}}%
10108 \def\slftitle{\mnr Zurgi"in jagsaalt}}%
10109 \def\sltttitle{\mnr X"usn"agti"in jagsaalt}}%
10110 </xalx2>

```

### 13.192 “Xalx3” language: xalx3.mld

`\xalx` The titles for the “xalx3” language are taken from the `MonTeX` package [137, 140] (by Oliver CORFF and Dorjpalam DORJ). This is an other variant for the “xalx” language (see section 13.190 on page 639).

```

10111 <*\xalx3>
10112 \ProvidesFile{xalx3.mld}[2006/03/31]%
10113 %% Mongol (xalx3) titles
10114 \def\ptctitle{\xalx{Soderjanie}}%
10115 \def\plftitle{\xalx{Spisok risunkow}}%
10116 \def\pltttitle{\xalx{Spisok tablic}}%
10117 \def\mtctitle{\xalx{Soderjanie}}%
10118 \def\mlftitle{\xalx{Spisok risunkow}}%
10119 \def\mltttitle{\xalx{Spisok tablic}}%
10120 \def\stctitle{\xalx{Soderjanie}}%
10121 \def\slftitle{\xalx{Spisok risunkow}}%
10122 \def\sltttitle{\xalx{Spisok tablic}}%
10123 </xalx3>

```

## **Part III**

# **Complements**

## Contents of the Third Part

---

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# Bibliography

This bibliography contains many URLs; you must be aware that some of them might be inaccessible because they are obsolete, or because their site is down or encounters some unexpected problem. Note also that the response of some sites may be slow (several seconds). For instance, the entries [257–259], from the <http://www.geocities.com/kijoo2000/> site, are very difficult to contact.

The URLs beginning with “https:” to the TUGboat site may have a restricted access to the TUG members during one year after publication. Being a member of TUG is useful and cheap!

Some URLs may contain an extension not supported by your Web browser; in such cases, you should try to access to the document manually. An example is [29], whose extension is `.ps.gz`.

Some URLs are too long for some tools; when possible, I shortened the URL to display only the contents the directory, as for [209], or by using an URL to the catalogue entry (as for [243] and [272]); when not possible, you should try to access to the document manually.

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# Changes history

## ★ version 00

- 1990/10/01
  - Original version, by Nigel WARD.
- 1991/11/01
  - Revised to reuse `\chapter`, `\section`, `\subsection` commands transparently, generate toc-file-name automatically, assorted other cleanup (by Dan JURAFSKY).

## ★ version 01

- 1993/06/01
  - New design, to avoid allocating a newwrite, or file descriptor, for each chapter (a deadly sin!) (Jean-Pierre F. DRUCBERT).
  - Added `\chapterend` to terminate the scope of a minitoc. (*If you forgot putting `\chapterend` at the end of each chapter, an entry for the next chapter will appear in each minitoc.*) (Thanks to Yufan Hu).
  - Replaced the `minipage` environment by a `verse` environment, to allow a minitoc being split across pages.
  - All the layout of the minitoc is in the command, so if somebody wants to redefine that layout, he has just to rewrite it (and only it).
  - You can inhibit the minitoc for the next chapter by preceding it with `\minitocno`. (`\minitocyes` is useless for the user, because it is implicit *after* the `\chapter*` pseudo-chapters).
  - Problems: you *must* have `\chapterend` to terminate each chapter with a minitoc. How about avoiding this constraint?
  - The depth of the minitoc is user-adjustable with the counter `minitocdepth` (similar to `tocdepth` for the table of contents).
  - At least three passes (3) of L<sup>A</sup>T<sub>E</sub>X are necessary to get correct minitocs (the first pass creates the `.mtc(X)` files, the second uses them (but they may contain wrong page numbers) and recreates them, the third should be ok).
  - Works with `\chapter[xxx]{yyy}` and floating bodies. Works with two columns (but the minitoc is composed in one column; how to make it to spread over the two columns?).
  - Some mods added to work with `xr` (external references). `xr` version 5 is much more tolerant.

## ★ version 02

- 1993/07/05
  - Added compatibility with hangcaption (the package hangcaption (if present) must be loaded *before* the minitoc package). *Beware* to options modifying `\@caption`.

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## ※ version 03

- 1993/07/09
  - Version 3 not released (buggy).

## ★ version 04

- 1993/07/09
  - Added `\if@realch` to avoid contents lines from pseudo-chapters to go into the toc.
  - The package `mtcoff` allows you to use a  $\LaTeX$  document with minitoc commands and to make them transparent: just replace the minitoc package by `mtcoff`.

## ★ version 05

- 1993/07/13
  - Added a selection mechanism to not write spurious things in the minitocs.

## ★ version 06

- 1993/07/15
  - Fixed problems about chapters in the toc, removed obsolete `\caption` stuff (filters are much better) added compatibility with `toch` (`toch` makes a table of chapters; if used, must be loaded *before* minitoc; in fact, it is the ancestor of the `shorttoc` [155] package).

## ★ version 07

- 1993/07/22
  - (*major differences*) Completely rewritten, using tricks from `xr` (the version 5, by David P. CARLISLE). The info for minitocs is directly stolen from the `.toc` file. `\chapterend` and `\minitocno` are suppressed, `\minitoc`, `\dominitoc` and `\faketableofcontents` added.

## ★ version 08

- 1993/07/29
  - Spacing adjustments.

**★ version 09**

- 1993/08/04
  - Added mods for MS-DOS (search for MS-DOS, uncomment; search for UNIX, comment out). MS-DOS allows only 3 characters for extensions in file names (what a pity!).

**★ version 10**

- 1993/08/05
  - Works now with appendices. Detects now the obsolete versions of `latex.tex` (`\@inputcheck` or `\reset@font` not defined).

**★ version 11**

- 1993/08/18
  - Added `\mtcSfont`, font for section entries, `\mtcSSfont` for subsection entries, `\mtcSSSfont` for subsubsection entries, `\mtcPfont` for paragraph entries, `\mtcSPfont` for subparagraph entries.

**★ version 12**

- 1993/12/16
  - Use `\kern` in place of `\vspace*`, and added penalties (`\nopagebreak`) to avoid a page break just before last `\mtc@rule`.
  - Also added a `samepage` environment.
  - Removed old commented out lines from previous versions.

**★ version 13**

- 1993/12/17
  - Added `\minilof` and `\minilot` stuff. For MS-DOS, uncomment the definition of `\SHORTEXT`.

**★ version 14**

- 1994/01/03
  - Corrected space under `minitoc/lof/lot` and added a `\raggedright` setting to avoid “underfull” warnings.
  - Corrected some spacing problems (avoiding ~’s). `\mtifont` is changed from `\normalsize\bf` to `\large\bf`.
  - Some modifications suggested by Donald ARSENEAU (thanks): `\@newread` becomes `\newread`, not outer version of `\newread`; `\empty` replaced by `\relax` in the spare definition of `\reset@font`.
  - Removed the setting of `\clubpenalty` and `\widowpenalty` to 10 000 (done by `\samepage`), and `\noindent`.
  - Simplified processing of optional argument in `\minitoc`, `\minilof` and `\minilot`.



**★ version 15**

- 1994/01/27
  - Added `\parttoc`, `\partlof` and `\partlot` for books, `\secttoc`, `\sectlof` and `\sectlot` for articles, with some commands and parameters parallel to those for mini-tables.
- 1994/01/27
  - Added `\parttoc`, `\partlof` and `\partlot` for books, `\secttoc`, `\sectlof` and `\sectlot` for articles, with some commands and parameters parallel to those for mini-tables.

**★ version 16**

- 1994/02/02
  - Bug fixes (typos).

**★ version 17**

- 1994/06/23
  - ‘n’ (null) synonym of ‘e’ (empty) in the optional argument of `\minitoc`, `\dominitoc`, and siblings.
  - Compatibility with “ $\text{\LaTeX 2}_{\epsilon}$ ”. Thanks to Denis B. ROEGEL (who found the problem) and Frank MITTELBACH (who gave the hints to solve).

**★ version 18**

- 1994/06/26
  - Make `minitoc` really compatible with  $\text{\LaTeX 2}_{\epsilon}$ .
  - Introduce the language files as options. Many thanks to Michel GOOSSENS (via Frank MITTELBACH) who was inspired by the code of the `babel` package (by Johannes L. BRAAMS).

**★ version 19**

- 1994/08/16
  - Added stuff for numbering of chapters (parts, sections) not starting at 1. `\firstchapteris` etc. commands added.
  - `\mtcrule`, `\nomtcrule` etc. commands added.
  - Corrected a bug in `\c@mti`.
  - Corrected `mtcswedish.sty` (Jan Michael RYNNING).
  - Corrected appendix in articles.

**★ version 20**

- 1994/08/25
  - Corrected spacing before and after `minitocs` and siblings.
  - Added the `\mtcpagenumbers` and `\nomtcpagenumbers` commands (and siblings) to make `minitocs` with/without page numbers. Default: with page numbers.

- Corrected (difficult bug) appendix in articles.
- Corrected vertical spacing.
- Corrected a problem with chapters numbered with uppercase roman numbers.

**★ version 21**

- 1994/09/07
  - Corrected typos in `minitoc` and `minitoc.tex`.

**★ version 22**

- 1994/10/10
  - Corrected typos in `minitoc`.

**★ version 23**

- 1994/11/08
  - Added a missing line in `\sectlof`.
  - Works with document classes resetting chapter (or section) number at each part (thanks to Denis B. ROEGEL).
  - Added the notion of “absolute numbering” for the mini-tables.
  - Removed stuff for `\firstchapteris` and `co`. These commands are obsolete.
  - Removed appendix stuff.

**★ version 24**

- 1994/12/21
  - The `\protect` commands have been removed from the `.toc`, `.lot` and `.lot` files, so some internal macros have been corrected to be compatible with the  $\LaTeX$  2 $\epsilon$  release of December 1994. Thanks to Denis B. ROEGEL who did the work.

**★ version 25**

- 1996/09/13
  - Updated `mtcnorsk.sty` and added `mtcnynorsk.sty` on a suggestion from Dag LANGMYHR.

**★ version 26**

- 1996/11/14
  - Language specific files are now named `language.mld` (replacing names of the form `mtclanguage.sty`) because they are not packages and it makes shorter names.
  - Added `breton`, `estonian`, `germanb`, `greek`, `irish`, `russianb`, `scottish`, `lower` and `upper sorbian`; renamed “esperanto” by “esperant” like in the `babel` package.

## ★ version 27

- 1996/12/20
  - Corrections for starred sectioning commands.
  - `english.mld` loaded as default language.
  - Added `vietnam.mld` and `arab.mld`.
  - Renamed `minitocoff` into `mtcoff` to keep the name short.

## ★ version 28

- 1997/10/29
  - Added the `afrikaan(s)`, `brazil`, and `ethiopia(n)` languages.
  - Added autoconfiguration of extensions.
  - Added the `shorttext` package option.
  - Added *coffee* stuff.
  - Added `\addstarred` stuff (for starred chapter stuff).
  - Fixed bug in `parttocs`.
- 1998/06/15
  - A typo corrected by Donald ARSENEAU:  

$$\{\let@dottedtocline@undottedtocline\}\}$$
 should probably be  

$$\{\let\@dottedtocline\@undottedtocline\}\}$$
 (a backslash was missing after `\let`). Thanks to him.
  - Added the `bahasa` language.
- 1998/12/03
  - Added the `tight` and `loose` package options.

## ★ version 29

- 1999/03/16
  - Added the `bicig`, `buryat`, `mongol` and `russianc` languages.
- 1999/06/28
  - Added the `armenian` language (from `ArmTeX` [142]).
- 1999/07/23
  - Added the `dotted/undotted` package options (default: `dotted`).
- 1999/07/29
  - Added `lithuanian.mld`.

## ★ version 30

- 1999/12/06
  - Added the `basque`, `ngermanb`, `serbian`, `ukraineb`, and `welsh` languages.
  - Corrected a bug in `\sltnam` definition (`m\l t` should be `s\l t`).

## ★ version 31

- 2000/04/04
  - Added compatibility with the hyperref package, thanks to Heiko OBERDIEK, who has also simplified some code and fixed the infamous `\chapter*` bug.

## ★ version 32

- 2000/08/08
  - Added very (too) numerous new commands for the mini-table features: `\beforeparttoc`, `\beforepartlof`, `\beforepartlot`, `\afterparttoc`, `\afterpartlof`, `\afterpartlot`, `\thispageparttocstyle`, `\thispagepartlofstyle`, and `\thispagepartlotstyle`.
  - Documentation improved by Stefan ULRICH.
  - `\nomtcrule` corrected.

## ★ version 33

- 2000/12/07
  - Added new adjustment commands: `\mtcaddchapter`, `\mtcaddsection`, and `\mtcaddpart`. These commands add stuff in the `.toc`, `.lof` and `.lot` files for the `\chapter*` (`\section*` and `\part*`) problem. From a suggestion by Karl F. EVERITT.
- 2000/12/08
  - Corrected a feature in `\mtcaddchapter` and co. with a blank optional argument.

## ★ version 34

- 2000/12/13
  - Added in the documentation a section for use with the `tocbibind` package.
  - Added `.mld` files for alternate names of languages: so, `american.mld` just loads `english.mld`, which contains the real definitions.

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## ★ version 35

- 2001/01/09
  - Added macros to test if a file is “empty” (i.e., empty, blank or inexistent) or “non empty” (i.e., useful). I used some code from Stephan P. VON BECHTOLSHEIM.
  - Added the `checkfiles/nocheckfiles` package options.
  - Replaced `\The@chapter` by `\The@mtc`.
- 2001/02/26
  - Added `bulgarian.mld`, `hebrew.mld`, `icelandic.mld`, `latin.mld`, and `samin.mld`.
- 2001/03/09
  - Added `\mtcselectlanguage`.
- 2001/06/01
  - Fixed the `estonian` package option (missing).
- 2001/07/04
  - Added the `interlingua` language.

## ★ version 36

- 2002/02/11
  - Corrected an interaction with `\tableofcontents` which creates a `\chapter*` or a `\section*`, perturbing `mtc/stc` counters (problem signalled by Frank MITTELBACH).
- 2002/02/18
  - Corrected a spacing problem with empty titles (problem signalled by Frank MITTELBACH).
  - Workaround for the `\parttoc-\chapter*` problem.
- 2002/02/19
  - Added `\mtcskip` and `\mtcskipamount`.
- 2002/02/27
  - Fixed test for empty files.
- 2002/03/13
  - Added the `bangla` language.
- 2002/03/15
  - Reduced depth of `\mtc@strutbox`.

## ※ version 37

- 2003/01/24
  - Version #37 dropped.

## ★ version 38

- 2003/01/24
  - `pt` becomes `\@pt` and `Opt` becomes `\z@`.
  - `\hrule` and `\vrule` replaced by `\rule` (L<sup>A</sup>T<sub>E</sub>X).
  - Added `\mtc@zrule` for zero-dims rules.
  - Added the `frenchb` language (synonym of `french`).
- 2003/01/30
  - Changed the test for empty titles.
  - Added the `flsection` and `flsectionb` package options.
- 2003/01/31
  - The `tight` and `loose` package options are applied to `\parttoc` (Thomas LEONHARDT).
- 2003/02/07
  - Package options `flsection` and `flsectionb` removed and replaced by the `insection` package option (like `flsectionb`).
- 2003/02/11
  - Corrected numbering of `SLF`, `SLT`.
- 2003/02/20
  - Added `frenchle` and `frenchpro` language options (synonyms of `french`).

- Corrected secttocs, at least.
- 2003/03/18
  - Corrected some vertical spacings and struts (I added some mods by Frank MITTELBACH, many thanks to him.). A lot of cleaning remains to do, but the release seems to be needed now.

**★ version 39**

- 2003/04/09
  - Modern font commands for compatibility with the memoir class.
  - `\nomtcpagenumbers` and memoir class.
- 2003/06/08
  - Added `\@fileswfalse` and `\mtc@hook@beforeinputfile` for the notoccite package (requested by Donald ARSENEAU); added the notoccite package option (loads the notoccite package).
- 2004/09/08
  - Added language options and `.mld` files for dialects: `canadian (english)`, `acadian`, `acadien`, `canadien (french)`, `naustrian`, `ngerman (ngermanb)`.
  - Added comments in `.mld` files using special fonts.
  - Documentation: added a paragraph about making a TOC for appendices, eventually not listed in the main TOC.
- 2004/09/17
  - Corrections in the documentation; corrections about rules.

**★ version 40**

- 2004/12/09
  - Added the japanese and castillan languages.
  - Removed the test on the presence of the multicol package in `minitoc.tex`, because multicol is a required package.
  - Added a figure in `minitoc.tex` about the need of three compilations.
  - Added some infos in `minitoc.bug`.
  - Added a paragraph about a problem with the appendix package.
- 2004/12/13
  - Updated `minitoc-fr.bib` and `minitoc.bib`.
- 2004/12/14
  - Added the `hints` package option. This option is still experimental; your advice is welcome.
- 2004/12/20
  - Added `minitoc-fr.pdf` (french documentation in PDF format).

## ★ version 41

- 2005/01/05
  - Corrections in documentation.
  - Message added if some sectioning commands are not available.
  - Replaced `\typeout` commands in `minitoc` by the `\PackageInfo` or `\PackageWarning` commands; with the line number when useful (`\@gobble` if no line number). Hence, the package is less verbose (`\PackageInfo` writes only in the `document.log` file, not on the terminal).
- 2005/01/06
  - Added the `\mtcsetfont` (Benjamin BAYART) and `\mtcsettitlefont` commands, with a much simpler syntax.
- 2005/01/10
  - Added bibliography.
- 2005/01/11
  - $\mathcal{A}\mathcal{M}\mathcal{S}$  classes: `amsart` and `amsproc` are incompatible with `minitoc`, `amsbook` needs precautions.
- 2005/01/12
  - Added `\mtcsetformat`.
- 2005/01/18
  - Added `\mtcsettitle`.
  - Added a hint for recommending the `insection` package option.
- 2005/01/19
  - Added a hint about the presence of `\dominitoc` and `co`.
  - Added a hint about consistency of `\dominitoc`/`\minitoc` and `co`.
  - Improved documentation about hints.
- 2005/01/20
  - Added a hint about using short extensions with more than 99 parts or 99 chapters or 99 sections.
- 2005/01/25
  - `\ptifont: \Huge\bfseries` becomes `\LARGE\bfseries`.
- 2005/01/26
  - Added `\mtcsetpagenumbers`.
- 2005/01/28
  - Added many new language files: `serbianc.mld`, `chinese1.mld`, `chinese2.mld`, `hangul1.mld`, `hangul2.mld`, `hangul3.mld`, `hangul4.mld`, `hanja1.mld`, `hanja2.mld`, `japanese2.mld`, `japanese3.mld`, `japanese4.mld`, `japanese5.mld`, `thai.mld`.
- 2005/02/02
  - Added `\mtcsetrules`.
- 2005/02/03

- Added `\plfrule`, `\noplfrule`, `\mlfrule`, `\nomlfrule`, `\slfrule`, `\noslfrule`, `\pltrule`, `\nopltrule`, `\mltrule`, `\nomltrule`, `\sltrule`, `\nosltrule`.
- 2005/02/04
  - Added the `mtchideinmaintoc` environment.
- 2005/02/08
  - Added `latvian.mld`, `letton.mld`, `greek-mono.mld`, `greek-polydemo.mld`, `greek-polykatha.mld`, `polish2.mld`, `russian2m.mld`, and `russian2o.mld` as new language files.
- 2005/02/09
  - Added the `mtchideinmainlof` and `mtchideinmainlot` environments.
- 2005/02/10
  - Added tests on the `mtchideinmain*` environments.
- 2005/02/14
  - Added `\mtcfixindex`.

※ **version 42**

- 2005/02/14
  - Version 42 not released.
  - Replaced “language” by “langue” in the french documentation.
- 2005/02/15
  - Fixed a minor typo.
- 2005/02/16
  - Upgraded `\mtcfixindex`.
- 2005/02/21
  - Added `\mtcsettitle`, forgotten to be inserted in v41.

★ **version 43**

- 2005/02/21
  - Version 43: consolidation of v40, v41 and v42.
- 2005/02/24
  - Fixed a big bug in `\mtcsetformat`.
  - Fixed a bug in `mtcoff.sty` about `\mtcfixindex`.
- 2005/03/02
  - Fixed the `\mtcset...` macros.
  - Moved history to the end of package code.
  - Added the `INSTALL` file and a chapter about installation.
- 2005/03/07
  - Fixed a typo (Benjamin BAYART).
  - Completed the hint about consistency of `\dominitoc`/`\minitoc` and `co`.



- 2005/03/08
  - Added a hint about consistency of `\minitoc` and `\tableofcontents`.
- 2005/03/09
  - Added comments about fonts.
- 2005/03/10
  - Corrections in documentation.
- 2005/03/11
  - Added `\mtcsetfeature`.
- 2005/03/14
  - Added `bulgarianb.mld` (upper bulgarian).
- 2005/03/15
  - Added `*[-\baselineskip]` after the `\\` after the top rule of each part level mini-table.
- 2005/03/16
  - Corrections in the arguments of `\mtcsetfeature`.
- 2005/03/18
  - Removed `\markboth` for `minitocs (...)` and `secttocs (...)`.
- 2005/03/21
  - Added `spanish2.mld`.
- 2005/03/22
  - Added a hint for the abstract package.
- 2005/04/07
  - Corrected the `stc@verse` environment.
  - Added `finnish2.mld`, `latin2.mld`, and `magyar2.mld`.
- 2005/04/08
  - Renamed `portuges.mld` as `portugues.mld`.
- 2005/04/12
  - Correction in `\mtcskip`.
  - First version in `.dtx` format.
- 2005/04/14
  - Removed `\ypart`, `\ychapter`, `\ysection`, and `stuff`; unused.
- 2005/05/11
  - Corrected a typo in `\@dosectlot`.
  - Added `\mtcfixglossary`.
  - Print the documentation with “oneside” to have all marginal notes on left. Added the (extended to 54 floats) code of `morefloats` (Don HOSEK) to allow more `marginpars` and floats.
  - Added `minitoc.ist` to format the index correctly.
- 2005/05/26

- Fixed rules in parttocs, partlofs and partlots.
- 2005/05/30
  - Fixed chapter-level entries in parttocs, when page numbers must be removed.
  - Added a hint about the sectsty package (must be loaded *before* minitoc).
- 2005/06/01
  - Added a hint about attempts to insert empty mini-tables.
  - Added a hint about the use of obsolete commands.
  - The mini-lists of figures or tables should not be printed empty even if `tocdepth < 1`.
- 2005/06/02
  - Added the notion of depth for mini-tables of figures/tables.
  - Added `\mtcsetdepth`.
  - The `hints` option is the default and no more considered as experimental.
- 2005/06/03
  - Added an error message in `\mtcsetdepth` if the counter is not available.
- 2005/06/06
  - Added `portuges.mld`, which loads `portuges.mld`.
- 2005/06/07
  - Added three variants for the malayalam language: `malayalam-keli.mld`, `malayalam-rachana.mld`, and `malayalam-rachana2.mld`.
- 2005/06/14
  - Added method for bilingual documentation.
- 2005/06/15
  - Added `minitoc-fr.ist` to format correctly the index in french.
- 2005/06/16
  - Changed “Liste des Tables” by “Liste des Tableaux” in `french.mld`, and in the french documentation, to stick to the choices of the `babel` package.
- 2005/06/17
  - The file `minitoc-fr.dtx` is now generated by `minitoc.ins`.
- 2005/06/21
  - Added “OUI”, “NON”, “oui”, “non”, “O”, and “o” as true/false keywords.
  - Compacted the code about detection of short/long extensions.
- 2005/06/22
  - Added “VRAI”, “FAUX”, “vrai”, “faux”, “V”, and “v” as true/false keywords.
- 2005/06/23
  - Correctly set the `\ifFTR` flag to have the names of months in the right language in the bibliography.
- 2005/06/29

- Set the flag `\mtcoffwarn@true` in `mtcoff` if a command `\mtcadd...` is found.
- 2005/07/01
  - Added `castillian.mld`.
  - Renamed `portugues.mld` as `portuguese.mld`.
- 2005/07/11
  - Added `brazilian.mld`, `british.mld`, `UKenglish.mld`, and `USenglish.mld`.
- 2005/07/12
  - Suppressed “General:” in the changes history.
- 2005/07/13
  - Replaced some `\PackageWarning` commands by `\PackageInfo`.
- 2005/07/18
  - Restoring the correspondence of each language option with a `.mld` file.
- 2005/07/20
  - Improving the `mtchideinmainlof` and `mtchideinmainlot` environments.
- 2005/07/21
  - Removing unused some flags `\if@mtc@setpagenumbers@act@` and `\if@mtc@setrules@act@`.
  - Added the `\decrementptc`, `\decrementmtc`, and `\decrementstc` commands.
- 2005/07/22
  - Corrected a bug in `mtcoff`.
  - Improved some messages in `mtcoff`.
  - Added a test on the version of the `placeins` package.
- 2005/08/23
  - Added a note about `\FloatBarrier`.
- 2005/08/24
  - Added a note about an alignment problem in the `minitocs`. Updated `minitoc.bug`.
  - Made two versions of the `mtchideinmainlof` and `mtchideinmainlot` environments, depending on the presence of the corresponding depth counter.
  - The memoir class is incompatible if too recent.
- 2005/08/25
  - Added a comment about the position of the `\do...` preparation commands.
  - Corrections in the `mtchideinmainlof` and `mtchideinmainlot` environments.
- 2005/08/26
  - Added `guarani.mld`.
- 2005/08/29
  - Added `\incrementptc`, `\incrementmtc`, and `\incrementstc`.

- Added an optional argument to `\adjustptc`, `\adjustmtc`, and `\adjuststc`.
- Added the `k-tight` and `k-loose` package options.
- 2005/09/02
  - Added a patch for the recent version of the memoir class.
- 2005/09/06
  - Added `spanish3.mld`.
- 2005/09/08
  - Use `\mtcselectlanguage` in language options and in “secondary” `.mld` files.
- 2005/09/09
  - Added `\mtcloadmlo` to be used in some `.mld` files to load a `.mlo` file.
- 2005/09/12
  - Added a test to forbid direct calls of `\mtcloadmlo` by the user.
- 2005/09/13
  - Added `farsi1.mld`, `farsi1.mlo`, `farsi2.mld`, and `farsi2.mlo`.
  - Added a note about the rubber tool.
- 2005/09/15
  - Added `mtcglo.ist` to format the glossary.
- 2005/09/16
  - Removed the page numbers in the glossary. Done in the `*mk` scripts.

## ★ version 44

- 2005/09/26
  - Changes history (glossary) typeset in `RaggedRight`.
- 2005/09/27
  - Added `germanb2.mld`, `ngermanb2.mld`, `norsk2.mld`, and `nynorsk2.mld`.
- 2005/09/28
  - New method for history: embedded lists on 3 levels.
  - Removed `mtcglo.ist`.
- 2005/09/29
  - Cleaned the `*mk` scripts.
  - Added the `listfiles` package option.
- 2005/09/30
  - Corrected typos.
  - Added the name of the `.maf` file in the message of the `listfiles` package option.
  - Improved the cleaning in the `*mk` scripts, using a `.maf` file.
- 2005/10/03
  - Load the patch for the memoir class only if necessary; do not load it if memoir is dated after 2005/09/25.

- Added a remark in the FAQ chapter (and `minitoc.bug`) about precautions to take with the starred sectioning commands.
- 2005/10/04
  - Added the `nolistfiles` package option.
  - Added a hint about the `caption`, `caption2`, `ccaption`, and `mcaption` packages (they must be loaded *before* `minitoc`).
- 2005/10/05
  - Fixed typos in the documentation.
  - Fixed some marginal notes in the commented code.
- 2005/10/06
  - Minor corrections in the documentation.
  - Use the `xargs` Unix command in the `*mk` scripts to remove the auxiliary files.
- 2005/10/07
  - Minor corrections in the documentation.
  - Added a short intro to the “Frequently Asked Questions” chapter and to `minitoc.bug`.
- 2005/11/02
  - Minor corrections in the documentation.
- 2005/11/04
  - Minor corrections in the documentation.
- 2005/11/07
  - Begin adding the “Jargon” chapter.
- 2005/11/08
  - Added the french L<sup>A</sup>T<sub>E</sub>X Companion [332].
- 2005/11/09
  - Continuing the “Jargon” chapter.
  - Adding `minitoc.pre` in `minitoc.l`.
  - Adding a note about the need of running `imk` before `emk` or `fmk`.
- 2005/11/10
  - Fixed typos in the documentation.
  - Added a note about a problem with `minitoc`, `hyperref` and `memoir`.
  - Continuing the “Jargon” chapter.
- 2005/11/14
  - Fixed typos in the documentation.
  - Continuing the “Jargon” chapter.
  - Improve the notes about the `memoir` class.
- 2005/11/15
  - Continuing the “Jargon” chapter.
  - Improve the notes about the `memoir` class.
  - Added `\plfSfont`, `\pltSfont`, `\mlfSfont`, `\mltSfont`, `\slfSfont`, and `\sltSfont` for subfigures and subtables entries in the mini-tables.

- 2005/11/16
  - Continuing the “Jargon” chapter.
  - Fixed a bug about fonts for subfigures and subtables entries in the mini-tables.
  - Added `bicig2.mld`, `bi the.mld`, `manju.mld`, `xalx.mld`, and `khalkha.mld`.
- 2005/11/17
  - Continuing the “Jargon” chapter.
  - Added testing via internal `quarks` commands in `\mtcsetfont`.
- 2005/11/18
  - Continuing the “Jargon” chapter.
  - Fixed typos in the documentation.
- 2005/11/21
  - Continuing the “Jargon” chapter.
- 2005/11/22
  - Continuing the “Jargon” chapter.
- 2005/11/23
  - Continuing the “Jargon” chapter.
  - Updating the bibliography.
- 2005/11/24
  - Continuing the “Jargon” chapter.
- 2005/11/25
  - Continuing the “Jargon” chapter.
  - Changed “table” into “tableau” in the french doc, where necessary.
  - Updating the bibliography.
- 2005/11/28
  - Continuing the “Jargon” chapter.
  - Fixed typos in the documentation.
- 2005/11/29
  - Continuing the “Jargon” chapter.
  - Fixed typos in the documentation.
  - Fixed typos in the bibliography.
  - Updating the bibliography.
- 2005/11/30
  - Continuing the “Jargon” chapter.
  - Avoid some warnings “Token not allowed” from `pdfTeX`.
- 2005/12/01
  - Continuing the “Jargon” chapter.
- 2005/12/02
  - Continuing the “Jargon” chapter.
  - Reordering a long sequence of citations.

- Added `mailto:` in the mailing URLs.
- 2005/12/05
  - Fixed typos in the documentation.
  - Continuing the “Jargon” chapter.
  - Added a hint about the `varsects` package (must be loaded *before* `minitoc`).
- 2005/12/06
  - Continuing the “Jargon” chapter.
  - Correcting an hyperlink in the bibliography (for the `xr` package).
  - Attempting to avoid broken URLs, using `quote`, footnotes and `\par`.
- 2005/12/07
  - Continuing the “Jargon” chapter.
  - Updating the bibliography.
  - Corrections of layout (some headers, a table).
  - In the warning message of the hint about a number of mini-tables greater than 99 (if short extensions), give the effective number.
  - Reduce the width of some info, warning or error messages.
- 2005/12/08
  - Corrections of layout (some headers).
- 2005/12/09
  - Corrections of french quotes.
  - Added some PDF options.
  - Continuing the “Jargon” chapter.
  - Corrected an URL to the  $\mathcal{A}\mathcal{M}\mathcal{S}$  in the bibliography.
- 2005/12/19
  - Made some messages shorter (mainly by removing stars).
- 2005/12/21
  - Correction of typos.
  - Added some labels.
  - Added a chapter with the (explained) messages. Not yet sorted.
  - The documentation needs 4  $\LaTeX$  runs.
- 2005/12/22
  - Made some messages shorter.
  - Corrections in the list of messages.
  - Updating the bibliography.
- 2005/12/23
  - Improving the placement of floats on pages of floats: to the top.
- 2006/01/03
  - Corrections in the documentation (thanks to Markus GLEISZNER).
  - Added `addsec.tex`
- 2006/01/04

- Corrected the flag `\ifundottedmtc`.
- Correction to make `addsec.tex` work.
- 2006/01/05
  - Added “\*” as keyword for the first argument of `\mtcsetpagenumbers` and `\mtcsetrules` (asked by Markus GLEISZNER).
  - Removed “`\MessageBreak`” from the index.
- 2006/01/06
  - Continuing the “Jargon” chapter.
  - Corrected the bibliography entry about BangTeX.
  - Updated the bibliography.
  - Used the `afterpage` package [115] in the documentation to fix a float positioning problem.
- 2006/01/09
  - Corrections in the documentation.
  - Fixing a float positioning problem.
- 2006/01/10
  - Corrections in the documentation.
  - Continuing the “Jargon” chapter.
  - Updated the bibliography.
  - Added the `bahasam` language.
  - Added the `albanian` language.
  - Added the `hebrew2` language.
- 2006/01/11
  - Updated the bibliography.
  - Updated the documentation for the `albanian`, `bahasa`, `bahasam`, and `hebrew2` languages.
  - Updated `french.mld` (removing abusive uppercase letters).
  - Corrected the `italian.mld` file. Added the `italian2` language.
  - Added the `australian` and `newzealand` languages (english).
  - Renamed the `bahasa` language as `bahasai`; `bahasa` is synonym of `bahasai`.
  - Added the `malay` and `meyalu` languages, synonyms of `bahasam`.
  - Added the `indon` and `indonesian` languages, synonyms of `bahasai`.
- 2006/01/12
  - Updated the bibliography.
  - Updated the acknowledgements.
  - Added references to the new bibliographic entries.
- 2006/01/13
  - Fixed an instability in page breaks in the documentation of `japanese3.mld`.
  - Added comments in some `.mld` files.
  - Added `magyar3.mld`.
  - Updated `lithuanian.mld`.



- 2006/01/16
  - Correction in `\mtcaddsection`.
- 2006/01/17
  - Correction in `\mtcfixindex` and `\mtcfixglossary`.
  - Updated the bibliography.
  - Limitation of the initial depth of displayed bookmarks.
- 2006/01/18
  - Added some comments in point 34 of the FAQ (and in `minitoc.bug`) about the initialization of fonts.
  - Added `romanian2.mld` and `romanian3.mld`.
  - Updated the bibliography.
- 2006/01/19
  - Updated the bibliography.
  - Load some packages before `hyperref`.
  - Added `spanish4.mld`.
- 2006/01/23
  - Corrected the table about default titles.
  - Corrected the keywords for `\mtcsetfont`.
  - Added `lowersorbian.mld`, `uppersorbian.mld`, and `ukrainian.mld`.
- 2006/01/24
  - Updated documentation for `lowersorbian.mld`, `uppersorbian.mld`, and `ukrainian.mld`.
- 2006/01/25
  - Corrections in the documentation.
  - Updated the bibliography.
- 2006/01/26
  - Added a hint about the KOMA-Script classes [343, 344, 399], and an entry in the FAQ chapter (and in `minitoc.bug`).
- 2006/01/27
  - Updated the bibliography.
  - Added a note in documentation of `serbian.mld` and `serbianc.mld`.
- 2006/01/30
  - Added `ethiopian2.mld` (for Omega).
- 2006/01/31
  - Simplifications in the “Messages” chapter.
  - Corrections in the “Jargon” chapter.
- 2006/02/01
  - Corrections in the documentation.
  - Added the “Postface” chapter.
- 2006/02/02

- Corrections in the “Postface” chapter.
- Updated the bibliography.
- 2006/02/06
  - Corrections in the documentation.
  - Updated the bibliography.
  - Added package `dblaccnt` [328] for the “The pdfTeX Program” entry in the bibliography. Its author’s first name needs a double accent (Thế Thành HằN); je l’ai aussi utilisé pour composer d’autres mots vietnamiens.
- 2006/02/07
  - Corrections in the documentation.
  - Updated the bibliography.
- 2006/02/09
  - Corrections in the documentation.
- 2006/02/10
  - Corrections in the documentation.
  - Updated the bibliography.
- 2006/02/13
  - Added `malayalam-omega.mld` and `malayalam-omega.mlo`.
  - Updated the bibliography.
- 2006/02/14
  - Added `kannada.mld`.
  - Updated the bibliography.
- 2006/02/15
  - Corrections in `russianb.mld` and `spanish.mld`.
  - Corrections in the documentation and the bibliography.
  - Place `\mtcfixglossary` before `\mtcfixindex`.
- 2006/02/16
  - Added a citation from Donald ARSENEAU.
  - Updated the bibliography.
  - Updated the acknowledgments.
- 2006/02/17
  - Updated the bibliography.
  - Updated the jargon.
- 2006/02/20
  - Added `u8hangul.mld`, `u8hangul.mlo`, `u8hanja.mld`, and `u8hanja.mlo`.
- 2006/02/21
  - Renamed languages `u8hangul` and `u8hanja` into `hangul-u8.ml[d|o]` and `hanja-u8.ml[d|o]`.
  - Updated the bibliography.
- 2006/02/22

- Added a hint about repeated preparation commands.
- Moved up the declaration of some flags relative to the `hints` option.
- Added `\mtcprepare`.
- 2006/02/23
  - Updated the bibliography.
- 2006/02/24
  - Updated the bibliography.
- 2006/02/27
  - Corrections in the documentation.
  - Added `minitoc.pre` to class 6.
- 2006/02/28
  - Corrections in the documentation.
  - Corrected the position of tables in the “Jargon” chapter.
  - Corrected `irish.mld`, `lsorbian.mld` and `usorbian.mld`.
  - Added `polски.mld`.
- 2006/03/01
  - Hints about the `jura` class and the `alphanum` package, incompatible with `minitoc`. W0029
- 2006/03/02
  - Use bibliographic styles with an URL field, built with the help of `urlbst` [196]. W0025
- 2006/03/06
  - Update the bibliography.
- 2006/03/08
  - Corrections in `magyar.mld`, `magyar2.mld`, and `magyar3.mld`.
  - Added `russian-cca.mld`, `russian-cca1.mld`, and `russian-lh.mld`, with their `.mlo` files.
- 2006/03/09
  - Update the bibliography.
- 2006/03/10
  - Update the bibliography.
  - Added `russian-lhcyralt.mld`, `russian-lhcyrkoi.mld`, and `russian-lhcyrwin.mld`, with their `.mlo` files.
- 2006/03/13
  - Corrections in the documentation.
- 2006/03/14
  - Added the `mtcmess` package.
- 2006/03/16
  - The messages are now numbered.
  - Update the bibliography.
- 2006/03/20

- Corrections in the documentation.
- 2006/03/21
  - Update the bibliography.
- 2006/03/22
  - Update the jargon.
- 2006/03/28
  - Corrections in the documentation.
  - Update the jargon.
- 2006/03/29
  - Added FAQ 37 about .mld files and babel.
  - Added french1.mld and french2.mld.
  - Update the jargon.
- 2006/03/30
  - Added english1.mld and english2.mld.

**★ version 45**

- 2006/03/31
  - Suppression of the PostScript versions of the documentation.
  - Added arab2.mld, bicig3.mld, buryat2.mld, xalx2.mld, and xalx3.mld.
- 2006/04/03
  - Corrections in the documentation.
- 2006/04/04
  - Added swedish2.mld.
  - The `insection` package option loads also the `flatter` package.
- 2006/04/05
  - Corrections in the documentation.
  - Added `lamed.eps` and `lamed.pdf` as images for the *Lamed* logo (built from `lamed.tex`).
  - Reordering of the chapters in the user's manual (part I).
- 2006/04/06
  - Use `sectsty` to better format section titles.
- 2006/04/07
  - Corrections in the documentation.
  - Added `\ifmtcsecondpart` to check if the document has exactly 2 parts.
- 2006/04/10
  - Corrections in the documentation.
- 2006/04/11
  - Corrections in the documentation.
- 2006/04/12

- Corrections in the documentation.
- 2006/04/13
  - In the `insection` package option, load the `flatter` package *before* the `placeins` package.
  - Added a figure about the float barriers (figure 1.1 on page 34).
- 2006/04/27
  - Added notes in FAQ 20, about the use with the `appendix` package.
  - Added comments about the `insection` option.
  - Update the bibliography.
  - Begin correction of the `mtchideinmaintoc` environment.
- 2006/05/02
  - Added notes in `minitoc.bug`, point 20, about the use with the `appendix` package.
  - End correction of the `mtchideinmaintoc` environment.
  - Analogous corrections in the `mtchideinmainlof` and `mtchideinmainlot` environments.
  - Update the bibliography.
- 2006/05/03
  - Added notes about the `mtchideinmainlof` and `mtchideinmainlot` environments.
  - Added `hide1.tex` and `hide2.tex`.
  - Added a hint about the `fncychap` package (must be loaded *before* `minitoc`). W0086
  - Added a hint about the `quotchap` package (must be loaded *before* `minitoc`). W0087
  - Update the bibliography.
- 2006/05/04
  - Update the bibliography.
  - Added a hint about the `romannum` package (must be loaded *before* `minitoc`). W0088
  - Added a hint about the `sfheaders` package (must be loaded *before* `minitoc`). W0089
  - Added a hint about the `alumnsec` package (must be loaded *before* `minitoc`). W0090
  - Corrections in the documentation.
- 2006/05/05
  - Corrections in the documentation.
- 2006/05/24
  - Corrections in the documentation.
  - Renamed `hide.tex` to `hide1.tex`.
  - Update the bibliography.
- 2006/05/30
  - Corrections in the documentation.
  - Use `\MakeUpperCase` in `\markboth` for page styles.
- 2006/05/31
  - Update the bibliography.

- Added a hint about the `captcont` package (must be loaded *before* `minitoc`).
- Corrections in the documentation.
- Added `uighur.mld`, `uighur2.mld`, and `uighur3.mld` (as synonyms for the `bicig` variants).
- 2006/06/01
  - Corrections in the documentation.
  - Added description of `MonTeX` in the jargon.
  - Added a comment about the `imk` script in `INSTALL` and the “Installation” chapter.
  - Added an entry about “package” in the jargon.
  - Added the `mtc-apx.tex` example file.
  - Added FAQ 44 and the `\mtcgapbeforeheads` and `\mtcgapafterheads` commands.
- 2006/06/02
  - Corrections in the documentation.
  - Update the bibliography.
  - Added the `gaps.tex` example file.
- 2006/06/05
  - Corrections in the documentation.
  - Update the bibliography.
- 2006/06/06
  - Corrections in the documentation.
  - Update the bibliography.
- 2006/06/08
  - Corrections in the documentation.
  - Spacing correction in `french2.mld`.

**★ version 46**

- 2006/06/09
  - Corrections in the documentation and the bibliography.
- 2006/06/21
  - Update the bibliography.
  - Comment about the `thailatex` package.
- 2006/06/22
  - Generate some example files with `minitoc.dtx/minitoc.ins`.
  - Added chapter “Example files”.
- 2006/06/23
  - Renamed chapter “Example files” as “Examples of documents”.
  - Use the `lipsum` package [212] in some of the examples of documents.
  - Update the bibliography.
- 2006/06/27

- Update the examples of documents.
- Added the `second.tex` example file.
- 2006/06/29
  - Added the `amem.tex`, `mem.tex` and `mem1.tex` example files.
- 2006/06/30
  - Added the `fo1.tex`, `fo2.tex` and `scr.tex` example files.
- 2006/07/03
  - Added the `subf.tex` example file.
  - Corrections about the depth of `minilofs`, `minilots` and `siblings`.
- 2006/07/04
  - Added the `tsfc.tex` and `tbi.tex` example files.
  - Corrections in the bibliography.
- 2006/07/07
  - Corrections of typos.
  - Corrections in the bibliography.
  - Added the `2c.tex` and `mtc-bo.tex` example files.
  - Correction in `french2.mld`.
- 2006/07/10
  - Correction in `minilots` and `minilofs` (and `siblings`) about depth.
  - Added the `hop.tex` and `cri.tex` example files.
  - Update the bibliography.
- 2006/07/11
  - Added the `livre.tex`, `ch0.tex`, `tlc.tex` and `mu.tex` example files.
  - Update the bibliography.
- 2006/07/12
  - Update the jargon.
- 2006/07/13
  - Corrections in the documentation.
  - The not released versions are flagged by `*` in place of `★`.
- 2006/07/17
  - The “About this document” section becomes a starred first chapter.
- 2006/07/18
  - Added the `hir.tex` and `hia.tex` example files.
- 2006/07/19
  - Update the bibliography.
  - Corrections in `add.tex` and `addsec.tex` for the index.
  - Added the `xmk` script to typeset the examples into PDF documents.
  - Updated the scripts to treat the examples.
- 2006/07/20
  - Do not forget `\jobname.mtc0` in the list of files.
  - In the scripts, the backup directory (OLD) is now `/tmp/‘whoami’/OLD`.
  - In the scripts, the repartition directories (`CL[0-9]`) are now `/tmp/‘whoami’/CL[0-9]`.

## ★ version 47

- 2006/07/26
  - Corrections in the documentation and the bibliography.
  - Update the bibliography.
- 2006/07/27
  - Added `arabi.mld` and `farsi3.mld` (from the `Aabi` system [243]).
  - Update the bibliography.
- 2006/07/28
  - Update the jargon.
- 2006/07/31
  - Fixed `\l@xsection`.
  - Fixed some spacings in mini-tables.
- 2006/08/01
  - Added a `\kernafter...` vertical kern between each minitable and its bottom rule.
  - Added point 45 of the FAQ.
- 2006/08/03
  - Minor correction in warning message `F0008`.
  - Update the bibliography.
  - Fixed a bug in `romanian2.mld` and `romanian3.mld`.
  - Shortened the result of some example documents by using the `report` class in place of the `book` class (hence using one side printing).

## ★ version 48

- 2006/08/04
  - Fixed typos.
- 2006/08/22
  - Update the bibliography.
  - No preamble in `add.bib`.
- 2006/08/23
  - Corrections in the TOC formatting.
  - Increasing `\textwidth`.
  - Correction of the preamble problem in `add.bib` and all generated files.
- 2006/08/24
  - Remove comments about spurious lines in preamble of generated files.
  - Added `devanagari.mld` and `hindi.mld`.
- 2006/08/25
  - Update the bibliography.
  - Added `hindi-modern.mld`.
  - Corrected the `\name` macro (for the documentation).



- 2006/08/28
  - Corrections in the bibliography.
  - Correction (conversion) in `hindi-modern.mld`.
- 2006/08/29
  - Added error E0036 if `english.mld` is not found to set the default titles.
- 2006/08/31
  - Update the bibliography.
  - Modified the `plainurl.bst` to have family names of authors and editors in small caps and years in old style digits. Titles are in emphasis. The `frplain1.bst` style is also updated.
- 2006/09/01
  - Update the bibliography.
  - The bibliographic styles `plainurl.bst` and `frplain1.bst` are renamed `en-mtc.bst` and `fr-mtc.bst`.
- 2006/09/05
  - Update the bibliography.
  - Renamed `add.bib` to `mtc-add.bib`.
  - Renamed `add.tex` to `mtc-add.tex`.
  - Renamed `addsec.tex` to `mtc-ads.tex`.
  - Renamed `2c.tex` to `mtc-2c.tex`.
  - The `listfiles` package option is now active by default.
- 2006/09/07
  - Renamed `app-mem.tex` to `mtc-amm.tex`.
  - Renamed `apx.tex` to `mtc-apx.tex`.
  - Renamed `bo.tex` to `mtc-bo.tex`.
  - Renamed `ch0.tex` to `mtc-ch0.tex`.
  - Renamed `cri.tex` to `mtc-cri.tex`.
  - Renamed `fo1.tex` to `mtc-fo1.tex`.
  - Renamed `fo2.tex` to `mtc-fo2.tex`.
  - Renamed `gaps.tex` to `mtc-gap.tex`.
  - Renamed `hia.tex` to `mtc-hia.tex`.
  - Renamed `hir.tex` to `mtc-hir.tex`.
  - Renamed `hide1.tex` to `mtc-hi1.tex`.
  - Renamed `hide2.tex` to `mtc-hi2.tex`.
  - Renamed `hop.tex` to `mtc-hop.tex`.
  - Renamed `livre.tex` to `mtc-liv.tex`.
  - Renamed `mem.tex` to `mtc-mem.tex`.
  - Renamed `mem1.tex` to `mtc-mm1.tex`.
  - Renamed `mini-art.tex` to `mtc-art.tex`.
  - Renamed `minitoc-ex.tex` to `mtc-bk.tex`.
  - Renamed `mu.tex` to `mtc-mu.tex`.
  - Renamed `scr.tex` to `mtc-scr.tex`.

- Renamed `second.tex` to `mtc-2nd.tex`.
- Renamed `subf.tex` to `mtc-sbf.tex`.
- Renamed `tbi.tex` to `mtc-tbi.tex`.
- Renamed `tlc.tex` to `mtc-tlc.tex`.
- Renamed `tsfc.tex` to `mtc-tsfc.tex`.
- 2006/09/08
  - Updated the bibliography (added the Pentaglot).
  - Corrected the format of two tables about NFSS.
  - Example documents in alphabetical order in their chapter.
- 2006/09/11
  - Updated the bibliography.
- 2006/09/12
  - Added a figure about systems derived from  $\text{T}_{\text{E}}\text{X}$  and  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ .
- 2006/09/13
  - Added the `mtc-syn.tex` example document file.

## ★ version 49

- 2006/09/14
  - Slightly modified the layout of the list of files (“Installation” chapter).
  - Simplifications in the scripts.
  - Updated the bibliography.
- 2006/09/18
  - Updated the bibliography.
  - Added point 46 in the FAQ and example file `mtc-tlo.tex`.
- 2006/09/26
  - Updated the bibliography.
  - Corrections in the bibliography and the bibliographic styles.
- 2006/09/29
  - Better error messages about undefined preparation and insertion commands.
  - Updated the bibliography.
  - Added “+” and “-” as synonyms for “on” and “off”, respectively.
- 2006/10/20
  - Corrections in the bibliography.
  - Fixed typos.
  - Updated the bibliography.
  - Added a table of some encodings.
- 2006/10/31
  - Suppressed the “Summary” entry in the summary, but added it in the Table of Contents.
  - Improving some tables.
  - Added the `japanese6.mld` and `japanese6.mlo` files.

- Updated the bibliography.
- 2006/11/03
  - Corrections in the bibliography.
  - Corrections in formatting a citation from Donald ARSENEAU.
  - Combine four figures in one (with sub-figures).
  - Added (in the memento) a table of the classes and packages which are incompatible or need precautions with minitoc.
  - Added a hint about the hangcaption package (must be loaded *before* minitoc). W0092
- 2006/11/06
  - Completed the list of the standard classes.
- 2006/11/09
  - Added a validation of the language options with the presence of the .mld and .mlo files.
  - Added notes about the mandatory presence of the english.mld file. E0036
- 2006/11/13
  - The validation of the language options writes only informative messages in the *document.log* file and, if necessary, gives only one warning message.

## ★ version 50

- 2006/11/17
  - Removed old examples of documents: mtc-adds.tex, mtc-amem.tex, mtc-book.tex, mtc-gaps.tex, mtc-mem1.tex, mtc-subf.tex, and mtc-tsfc.tex.
  - Updated the bibliography.
  - Added the tmk script and a table describing a TDS structure for minitoc.
  - Added an item about the TDS in the jargon.
  - Updated the INSTALL file and the “Installation” chapter.
- 2006/11/29
  - Added the warning message W0094 with the list of the missing minitoc languages files (.mld and .mlo).
  - Corrections in the bibliography.
  - Updated the INSTALL file and the “Installation” chapter.
  - Changed the names of the scratch directories in some scripts.
  - Updated the bibliography.
  - Added the file minitoc.tds.zip (a ZIP archive of a TDS-compliant hierarchy of all files of the package) to the distribution.

## ★ version 51

- 2006/12/18
  - Improving the index: packages and classes, scripts, tools, names, examples, extensions, options, language options.

- 2006/12/20
  - Improving the index: names.
  - Updated some .mld files with names of the authors of titles.
- 2007/01/09
  - Miscellaneous corrections.
  - The names of some internal macros are shortened to fit into the margin.
  - Added a \ProvidesFile command to the example files.
  - Indexing the environments (not perfect).
  - Indexing the files.
  - Renamed the file “catalog” into “CATALOG”.
  - Indexing the counters and depth counters.
  - The example files are in their own directory in the (proposed) TDS hierarchy.

**★ version 52**

- 2007/01/11
  - Correction of index ordering.
  - Default option in boldface in the index.
  - Adding some informations about authors for language specific titles.
  - Updated the bibliography.
- 2007/01/12
  - Added fake sections in the “Examples of documents” chapter.
  - Removed the preparation of the documentation in PostScript format.
- 2007/01/15
  - Added the cmk script to convert the documentation from PDF format into PostScript format.
  - Removed duplex2v.pro.
- 2007/01/17
  - Indexing the referenced commands.
- 2007/01/18
  - Corrected the name Thế Thành HÀN (first name before last name, the english way).
  - Corrected some other names.
- 2007/01/19
  - Added mongolb.mld and mongolb.mlo.
  - Removed mongolb.mlo (new cyrillic encodings T2 and X2 in mongolb.mld).
  - Added the example file mtc-3co.tex.
  - Trying to use a recent version of the cite [16] package (2003/11/04, 4.01) to allow sorting, but still clashes with hyperref.
- 2007/01/26
  - Balancing the columns in the index.
- 2007/01/29

- Correction of the indexing of the environments.
- 2007/01/31
  - Improving the index layout.
  - Updated `galician.mld`.
- 2007/02/05
  - Added `mongolian.mld` which loads `mongolb.mld`.
- 2007/02/09
  - Indexing the names of authors.
  - Updated the bibliography.
- 2007/02/12
  - Updated the acknowledgements.

**★ version 53**

- 2007/02/13
  - Added the example file `mtc-fko.tex`.
  - Corrected `\kernafterminitoc` and `siblings`.
- 2007/02/19
  - Updated the bibliography.
  - Bibliographic references for packages and classes in the index.
- 2007/03/02
  - Added a header to the index, to explain notations.
  - Updated the bibliography.
  - Changed the style of page and line numbers in the index.
  - Updated `kannada.mld`.
  - Dangerous bend symbols are now in the right margin.
- 2007/03/06
  - Improved the presentation of example files.
  - Using the `natbib` package [145, 146] to sort the sequences of citations.
- 2007/03/09
  - Correction in table 7.5 on page 251.
  - Renamed `minitoc-texmf.zip` into `minitoc-tds.zip`.
- 2007/03/19
  - Use the `sort&compress` option of the `natbib` package [145, 146] to compress the sequences of citations; the `hypernat` package must also be loaded (after `natbib` and `hyperref`).
  - Updated the bibliography.
- 2007/03/22
  - Added changing the title of the `parttoc` for appendices in `mtc-apx.tex`.

## ★ version 54

- 2007/03/27
  - Added the “open” and “close” features.
  - Indexing the features.
  - Added the `mtc-ocf.tex` example file.
- 2007/04/06
  - Added the “`\mtcfixnomenclature`” command.
  - Added the `mtc-nom.tex` example file.
  - Updated the bibliography.
  - Corrected the last argument of `\mtcsetfeature` and siblings, using `\mtc@toks`.
  - Some mini-tables are set on two columns in the manual.
  - Indexing the messages. Messages noted in the right margin.
  - Corrected a bug in `mtcoff`.
  - Added `latinc.mld` and `latinc2.mld` for classical latin.
- 2007/04/12
  - Added internal hyperlinks for messages.
  - Load the `hypcap` package for hyperlinks in the documentation.
- 2007/06/06
  - Added `\mtcoffset` and `co.` for an horizontal offset of a mini-table.
  - Added `\mtcsetoffset` for an horizontal offset of a mini-table type.
  - Added the `mtc-ofs.tex` example file.
  - Added flagging of macros in example files.
  - The 2007 section in the “Postface” chapter was garbled.
  - More internal links in the documentation.
  - Updated the bibliography.
  - Added a clickable table of all messages.
  - Improved column breaks in the index.
  - Added a local `minitoc` in the “Jargon” chapter.
  - Added `lithuanian2.mld`.
  - Added `latvian2.mld` and `letton2.mld`.
  - Grouped `.mld/.mlo` pairs in tables 7.1 to 7.2 on pages 246–247.

## ★ version 55

- 2007/06/12
  - Added a hint (warning `W0097`) about the `flowfram` [433, 434] package (incompatible). W0097
  - Added a *hint* (`I0053`) about the `float` [302], `floatrow` [285], `trivfloat` [484], and `rotfloat` [420] packages. I0053
- 2007/06/22
  - Regrouping some marginal notes about messages; improving their positions.
  - Improve page breaks in the documentation.

- Updated the bibliography.
- Corrected a bug about minitocs in appendices for the memoir class.
- 2007/06/29
  - Changed the color of hyperlinks.
  - Revised the format of the headers.
  - Corrected some `\mtcset...` commands to use `\edef` to correctly evaluate `\mtc@toks`.
- ★ version 56
  - 2007/07/02
    - Added `swahili.mld`.
  - 2007/08/03
    - Page headers modified in documentation.
    - Added stuff (files) for figures (maps) for many language areas.
    - Removed the `.eps` files.
    - Added the `bengali` language synonym of `bangla`.
    - Split the list of files into two tables (tables 7.1 to 7.2 on pages 246–247).
  - 2007/12/04
    - Many minor typo fixes.
    - Darker colors for hyperlinks.
    - Updated and corrected the bibliography.
    - Corrected a typo in the `ptc@verse` environment (thanks to François PÉTIARD).
    - Corrections of typos in the `mtchideinmainlof` and `mtchideinmainlot` environments (thanks to Andrew BOWDEN).
    - Replaced the `.mtc1` extension by `.mtc0` in the auto-configuration test (to avoid erasing the `(\jobname.mtc1)` file).
    - Corrected a problem with `\nofiles` (Andreas DEININGER).
    - The acknowledgements are moved to the “Complements” part.
    - Added a hint (warning W0099) about the `titlesec [46]` package.
    - Complete indexing of the messages.
    - Updated `lithuanian2.mld`.
    - Using the `chnpage` package [467] to increase the width of the pages of the bibliography.
    - Renamed `\if@longextensions@` as `\if@mtc@longext@`.
    - Updated `czech.mld`.
    - Removed `\l@xsection`.
    - Graphic files are indexed separately.
    - Updated `galician.mld`.
    - Added a specific directory for image files in the TDS hierarchy.
    - Updated `lsorbian.mld`, `ukraineb.mld`, and `usorbian.mld`.
    - Added `malayalam-b.mld`, `malayalam-keli2.mld`, `malayalam-mr.mld`, and `malayalam-rachana3.mld`.
    - Updated `malayalam-omega.mlo`.

- Suppressed parasite entries from the index.

**★ version 57**

- 2007/12/11
  - Updated the bibliography.
- 2007/12/18
  - Corrections in examples of documents.
  - Added `occitan.mld`.
  - Updated `croatian.mld`, `danish.mld`, `dutch.mld`, `galician.mld`, `germanb2.mld`, `greek.mld`, `icelandic.mld`, `interlingua.mld`, `polish.mld`, `scottish.mld`, and `turkish.mld`.
- 2008/01/15
  - Corrected `polski.mld`.
  - Updated the bibliography.
  - Added table 6.10 on page 235.
  - Added maps of Manchuria (figure 13.27 on page 498).
- 2008/04/03
  - Better captions for maps. Added maps for Italy, Karnataka, Germany, Mongols and China.
  - Added `occitan2.mld` and `mexican.mld`.
  - Added a map of czech dialects (figure 13.46 on page 515).
  - Added maps of danish dialects (figure 13.48 on page 516).
  - Added a map of the dutch language (figure 13.51 on page 519).
  - Added a map of french dialects (figure 13.62 on page 533).
  - Added a map of galician dialects (figure 13.71 on page 540).
  - Added maps of german dialects (figures 13.75 to 13.77 on pages 543–545).
  - Added maps of hindi dialects (figure 13.85 on page 558).
  - Added maps of portugese dialects (figures 13.29 on page 500 and 13.115 on page 602).
  - Added a map of the turkish language (figure 13.141 on page 630).
  - Added a map of the vietnamese language (figure 13.147 on page 637).
  - Added a map of the armenian diaspora (figure 13.20 on page 490).
  - Added a map of the sami dialects (figure 13.124 on page 614).
  - Added a map of the nationalities in ex-Yugoslavia (figure 13.44 on page 514).
  - Added a map of countries where spanish is an official language (figure 13.133 on page 623).
  - Added a map of the sorbian area (figure 13.98 on page 577).
  - Added an entry for the Wikipedia in the jargon.
  - Added a map of the minorities in Poland (figure 13.110 on page 596).
  - Added a map of the bengali diaspora (figure 13.24 on page 494).
  - Split the TDS hierarchy into three tables 7.3 to 7.5 on pages 247–251.
  - Added maps of the basque dialects (figure 13.26 on page 495).



- Added maps of the latvian dialects (figure 13.94 on page 571).
- Added a map for the swahili language (figure 13.135 on page 625).
- Added the turkish alphabet (figure 13.139 on page 629).
- The page numbers in the index are now hyperlinks (thanks to François PÉTIARD).
- Colors added in figure 1.1 on page 34.
- Added maps of the languages in Europe (figure 13.7 to 13.8 on pages 478–479).
- Added maps of Kosovo (figure 13.13 on page 484).
- Added a map of the languages in Africa (figure 13.5 on page 477).
- Corrected an error of message number.
- Added maps for Russia (figures 13.122 to 13.123 on pages 608–609).
- Added a map of the districts of Slovakia (figure 13.128 on page 618).
- Added maps about Islam (figures 13.16 to 13.17 on page 487).
- Added a figure about hànzi characters (figure 13.38 on page 510).
- Added a figure about chinese characters usage in the world (figure 13.39 on page 510).
- Added a figure about chinese dialects ((figure 13.42 on page 512).
- Added maps about writing systems (figures 13.3 to 13.4 on page 476).
- Added a map of the regions where Finnish is spoken (figure 13.59 on page 530).
- Shortened the “Installation” chapter.
- Updated from the babel package version v3.8j of 2008/03/16.
- Files lamed.pdf and lamed.tex replaced by lamed3.png.
- Added maps of the indigenous languages of México (figure 13.102 on page 585).

★ version 58

- 2008/06/26
  - Renamed minitoc-tds.zip into minitoc.tds.zip.
  - Added a simplified linguistic map of Europe (figure 13.9 on page 480).
  - Added a map of polish dialects (figure 13.111 on page 597).
  - Added a figure about the russian alphabet (figure 13.117 on page 605).
  - Added a map about the russian alphabet (figure 13.118 on page 605).
  - Added a figure about the serbian alphabets (figure 13.127 on page 617).
  - Added a map of the provinces of Vietnam (figure 13.148 on page 638).
  - Used \vrefrange to compress ranges of internal cross-references.
  - Added a map of albanian dialects (figure 13.14 on page 485).
  - Added a map of Norway (figure 13.107 on page 592).
  - Added flags for many countries. Added a light gray frame around the flags.
  - Added a figure about lusophonia (figure 13.114 on page 601).
  - Added a figure about germanophonia (figure 13.74 on page 542).
  - Added a figure about hispanophonia (figure 13.134 on page 624).
  - Added a figure about italophonia (figure 13.90 on page 563).
  - Added a minitoc in the index to make it easier to consult.

- Added figures about francophones countries (figures 13.63 to 13.69 on pages 534–537).
- Added a figure about swahili-speaking countries (figure 13.136 on page 626).
- Added a figure about arabic-speaking countries (figure 13.18 on page 488).
- Added a figure about russian-speaking countries (figure 13.121 on page 607).
- Added a figure about english-speaking countries (figure 13.53 on page 521).
- Added flags `\ifinparttoc`, `\ifinpartlof`, `\ifinpartlot`, `\ifinminitoc`, `\ifinminilof`, `\ifinminilot`, `\ifinsecttoc`, `\ifinsectlof`, and `\ifinsectlot`.
- Added example document `mtc-vti.tex`, section 4.36 on page 151.
- Added a figure about dutch-speaking countries (figure 13.49 on page 518).
- Renamed `fminitoc.dtx` and consorts as `minitoc-fr.dtx` and consorts.

※ **version 59**: corrupted PDF files.

★ **version 60**

- 2008/07/16
  - Minor correction in figure 13.18 on page 488.
  - Updated the bibliography.
  - Added missing flag files (thanks to Morten HØGHOLM).
  - Replaced many `.pdf` image files (most of them are flag files) by the original `.png` file because they were corrupted during the conversion by ImageMagick (xpdf didnt see the problem but Acrobat Reader refuses to show the file); many thanks to Heiko OBERDIEK and Staszek WAWRYKIEWICZ.
  - Back to standard colors and default hyperref color options.

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<sup>52</sup> And I apologize to all whose I forgot.

<sup>53</sup> Mainly, `fr.comp.text.tex` (in french) and `comp.text.tex` (in english), but also `de.comp.text.tex` (in german, but I do not read it well: send me also a mail in french or in english).

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# Index

In this index, italic style numbers (*123*) are page numbers (and hyperlinks, thanks to François PÉTIARD), normal roman numbers (123) are code line references for usage, bold roman numbers (**123**) are code line references for definitions; colored numbers in square brackets, like this:  $\leftrightarrow$ [157], are bibliographic references, eventually sorted and compressed.

The names of commands, environments, files, suffixes, options, features, messages identifiers<sup>54</sup>, and languages, are in typewriter font (**bold** for default options or the default language). The names of tools, packages and classes are in sans serif font. The people names are in roman for the first names, in SMALL CAPS for the family names, separated by a comma, the family name first<sup>55</sup>, like in “LAMPOR, Leslie” in the index.

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