

ltxcheck: The L^AT_EX test program*

David Carlisle

2004/02/11

This file, `ltxcheck.tex` should be run after L^AT_EX has been installed. It Checks some system dependent parts of L^AT_EX are set up correctly for your system, and checks that the main input files and fonts that L^AT_EX uses are present and can be found by L^AT_EX.

```
1 \makeatletter
2 \typeout{^^J%
3 LaTeX2e installation check file^^J%
4 =====}

5 \typeout{^^J%
6 Before running this file through LaTeX2e you should have installed^^J%
7 the Standard LaTeX files in their final 'system' directories.^^J%
8 This file should *not* be run in a directory that contains article.cls}
```

`\pause` just slows things down so that not too much appears on the screen at once, or scrolls off the top.

```
9 \def\pause{%
10 \typeout{}%
11 \message{** Hit return to continue: }%
12 \read -1 to \xxx
13 \typeout{}}

14 \typeout{^^J%
15 After certain tests, LaTeX will pause so that you can read the^^J%
16 output without it scrolling off the screen.^^J%
17 When you are ready just hit <return> and LaTeX will continue.^^J%
18 When LaTeX pauses, you will see a prompt like the one below.^^J^^J%
19 If a test fails, a message will be displayed followed by^^J%
20 an error message starting '! BAD'.^^J%
21 LaTeX will quit if you try to scroll past some error messages.}
22 \pause
```

Check that the system has defined `\currdir` correctly by writing an `.aux` file and then trying to find it again.

```
23 \typeout{^^J%
24 Checking the current directory syntax^^J%
25 =====}

26 \newif\iftest\testfalse

27 \ifx\currdir\@undefined
28 \typeout{^^J%
29 \noexpand\currdir is undefined !!^^J%
30 Something is seriously wrong with the LaTeX2e initialisation.^^J%
31 Either you have corrupted files or this is a LaTeX bug.}
32 \errmessage{BAD LaTeX2e system!!}
33 \expandafter\@end
34 \fi
```

*version v1.1d, dated 2004/02/11

```

35 \ifx\@currdir\@empty
36 \typeout{^^J%
37 \noexpand\@currdir is defined to be empty.^^J%
38 This means that LaTeX can not distinguish between a file^^J%
39 aaaa.tex^^J%
40 that exists in the current directory, and a file aaaa.tex^^J%
41 in another directory.^^J%
42 It may be that this Operating System has no concept of 'directory'^^J%
43 in which case the setting is correct. If however it is possible to^^J%
44 uniquely refer to a file then a suitable definition of
45 \noexpand\@currdir^^J%
46 should be added to texsys.cfg, and the format remade.}
47 \pause

48 \else
49 \typeout{^^J%
50 \noexpand\@currdir is defined as
51 \expandafter\strip@prefix\meaning\@currdir^^J%
52 (Testing...)}

53 \begingroup
54 \endlinechar=-1
55 \count@\time
56 \divide\count@ 60
57 \count2=-\count@
58 \multiply\count2 60
59 \advance\count2 \time
60 \edef\today{%
61 \the\year/\two@digits{\the\month}/\two@digits{\the\day}:%
62 \two@digits{\the\count@}:\two@digits{\the\count2}}

63 \immediate\openout15=ltxcheck.aux
64 \immediate\write15{\today^^J}
65 \immediate\closeout15 %

66 \openin\@inputcheck\@currdir ltxcheck.aux %
67 \ifeof\@inputcheck
68 \typeout{\@currdir ltxcheck.aux not found}%
69 \else
70 \read\@inputcheck to \reserved@a
71 \ifx\reserved@a\today
72 \typeout{\@currdir ltxcheck.aux found}
73 \testtrue
74 \else
75 \typeout{BAD: old file \reserved@a(should be \today)}%
76 \testfalse
77 \fi
78 \fi
79 \closein\@inputcheck

80 \iftest
81 \endgroup
82 \typeout{\noexpand \@currdir OK!}
83 \else
84 \endgroup

85 \typeout{^^J%
86 The LaTeX2e installation has defined \noexpand\@currdir^^J%
87 to be \expandafter\strip@prefix\meaning\@currdir.^^J%
88 This appears to be incorrect.^^J%
89 You should add a correct definition to texsys.cfg^^J%
90 and rebuild the format.}
91 \errmessage{BAD LaTeX2e system!!}
92 \expandafter\expandafter\expandafter\@end
93 \fi
94 \pause

```

95 \fi

Check the filename parser can at least cope with a simple name + extension, article.cls.

```
96 \typeout{^^J%
97   Checking the filename parser^^J%
98   =====}

99 \filename@parse{article.cls}
100 \def\reserved@a{article}

101 \testtrue
102 \ifx\filename@base\reserved@a
103   \ifx\filename@ext\@clsextension
104   \else
105     \testfalse
106   \fi
107 \else
108   \testfalse
109 \fi
110 \iftest
111   \typeout{filename parser OK!}\pause
112 \else
113   \typeout{^^J%
114     The LaTeX2e installation has defined \noexpand\filename@parse.^^J%
115     This appears to be incorrect.^^J%
116     You should remove the incorrect definition from texsys.cfg^^J%
117     and rebuild the format.}
118   \errmessage{BAD LaTeX2e system!!}
119   \expandafter\expandafter\expandafter\@end
120 \fi
121 %
```

Check the input path by looking for article.cls. If article.cls is in the current directory it would be found anyway, so first check it is not there.

```
122 \typeout{^^J%
123   Checking the input path^^J%
124   =====^^J}

125 \begingroup
126 \let\input@path\@undefined
127 \ifx\@currdir\@empty\else
128   \IfFileExists{\@currdir article.cls}
129   {\typeout{%
130     article.cls appears to be in current directory!^^J^^J%
131     If this is the case, install article.cls into a^^J%
132     'standard input directory'^^J%
133     and copy ltxcheck.tex to another directory before^^J%
134     processing with LaTeX.^^J%
135     ^^J%
136     If article.cls is not in the current directory,^^J%
137     then you need to edit texsys.cfg.^^J%
138     Read the comments in that file. If nothing else works, add:^^J%
139     \string\let\string\@currdir\string\@empty^^J}%
140   \errhelp{Move files, or edit texsys.cfg}
141   \def\ArticleClassFoundInCurrentDirectory{%
142     This file should not be run in a 'standard input directory'}
143   \errmessage{BAD: \ArticleClassFoundInCurrentDirectory}
144   {}
145 \fi
146 \endgroup

147 \IfFileExists{article.cls}
148   {\typeout{input path OK!}}
149   {\typeout{^^J%
```

```

150 LaTeX claims that article.cls is not on the system.^^J%
151 Either LaTeX has been incorrectly installed, or the
152 \noexpand\input@path^^J%
153 is incorrect. A correct definition should be added to^^J%
154 texsys.cfg, and the format remade.}
155 \pause
156 \typeout{^^J%
157 Typical definitions of \noexpand\input@path include:^^J^^J%
158 \string\let\string\input@path=\noexpand\@undefined
159 (the default definition)^^J^^J%
160 \string\def\string\input@path{\@percentchar^^J
161 {/usr/lib/tex/inputs/} {/usr/local/lib/tex/inputs/} }^^J^^J%
162 \string\def\string\input@path{\@percentchar^^J
163 {c:/tex/inputs/} {a:/} }^^J^^J%
164 \string\def\string\input@path{\@percentchar^^J
165 {tex_inputs:} {SOMEDISK:[SOMEWHERE.TEX.INPUTS]} }^^J%
166 \pause
167 \typeout{^^J%
168 Note that \noexpand\input@path should be undefined
169 unless your^^J%
170 TeX installation does not make
171 \noexpand\openin and \noexpand\input^^J%
172 search the same directories.^^J%
173 If \noexpand\input@path is defined, entries should be^^J%
174 in the same syntax as \noexpand\@currdir^^J%
175 ie full directory names that may be concatenated with the^^J%
176 basename (note the final / and ] in the above examples).^^J%
177 Some systems may need more complicated settings.^^J%
178 See texsys.cfg for more examples.^^J%
179 ! BAD \noexpand\input@path!!}
180 \@@end}%
181 \pause

```

For versions prior to T_EX3 complain to the installer. (Although L^AT_EX will work with these old T_EX versions). For versions between 3 and 3.14 check that L^AT_EX is using the work-around for the ^^J in \message bug.

```

182 \typeout{^^J%
183 Checking the TeX version^^J%
184 =====}
185 \dimen@\ifx\@TeXversion\@undefined4\else\@TeXversion\fi\p@%
186 \ifx\noboundary\relax
187 \typeout{^^J%
188 This is TeX 2. You will not be able to use all the new features^^J%
189 of LaTeX2e with such an old TeX.^^J%
190 The current version (1995/12/11) is TeX 3.14159.^^J%
191 Consider upgrading your TeX.}
192 \ifdim\dimen@<3\p@\else
193 \errhelp{Check that texsys.cfg has not defined \@TeXversion}
194 \def\OldTeX{%
195 BAD: \noexpand\@TeXversion is incorrect: \meaning\@TeXversion}
196 \errmessage{\OldTeX}
197 \fi
198 \else
199 \ifdim\dimen@>3.14\p@
200 \typeout{This appears to be a recent version of TeX!^^J%
201 If the following 'lines' all appear on the same line,^^J%
202 separated by \string^\string^J %
203 then there has been an incorrect installation.}
204 \else
205 \typeout{^^J%
206 This appears to be a TeX between 3.0 and 3.14^^J%
207 but the current version (1995/12/11) is TeX 3.14159^^J%

```

```

208     consider upgrading your TeX.^^J%
209     The following 'lines' will appear on the same line,^^J%
210     separated by \string^\string^J;^^J%
211     the same problem may affect other messages from LaTeX.}
212     \fi

213 \message{line1^^Jline2^^Jline3}
214 \pause

215 \fi

    To check that the LATEX fonts have been installed, the well known trick of going
into \batchmode, and testing for \nullfont is used. Not all fonts are tested, just
a representative sample.

216 \typeout{^^J%
217   Checking fonts^^J%
218   =====}

219 \def\checkfont#1{%
220   \batchmode
221   \font\test=#1\relax
222   \errorstopmode
223   \ifx\test\nullfont
224     \typeout{\@spaces! BAD: #1.tfm not found!}
225     \@tempswatru
226   \else
227     \typeout{\@spaces OK: #1.tfm found}
228   \fi}

229 \typeout{^^JChecking Standard TeX fonts...}
230 \@tempswafalse
231 \checkfont{cmr10}
232 \checkfont{cmr12}
233 \checkfont{cmmi10}
234 \if@tempswa
235   \errhelp{Obtain a complete standard TeX font distribution.}
236   \errmessage{BAD: Missing Standard Fonts}
237 \else

238   \font\testcm=cmr10
239   \testcm
240   \setbox0\hbox{h{o}}
241   \setbox2=\hbox{ho}
242   \ifdim\wd0=\wd2
243     \typeout{^^J%
244     OK: correct Computer Modern fonts installed.}%
245   \else
246     \typeout{^^J%
247     An unauthorised and incompatible release of the^^J%
248     Computer Modern fonts has been installed on your system.^^J%
249     The official fonts may be obtained from CTAN archives in:^^J%
250     tex-archive/fonts/cm^^J%
251     For further details see Donald Knuth's Home page:^^J%
252     http://www-cs-faculty.stanford.edu/~protect~knuth/cm.html}%
253     \errhelp{Re-install Computer Modern fonts, and then rebuild LaTeX}
254     \errmessage{BAD Standard fonts!!}
255     \fi

256   \pause

257 \fi

258 \typeout{^^JChecking LaTeX Picture Mode fonts...}
259 \@tempswafalse
260 \checkfont{lcircle10}
261 \checkfont{lcirclew10}
262 \if@tempswa
263   \@tempswafalse

```

```

264 \checkfont{circle10}
265 \checkfont{circlew10}
266 \if@tempswa
267 \typeout{^^J! BAD: You do not have the picture mode fonts:^^J%
268         lcircle10 and lcirclew10}
269 \else
270 \typeout{^^J! BAD:%
271         You have the picture mode fonts with their old names:^^J%
272         circle10 and circlew10 have been renamed to^^J%
273         lcircle10 and lcirclew10}
274 \fi
275 \errhelp{Obtain a complete standard LaTeX font distribution.}
276 \errmessage{BAD: Missing LaTeX Fonts}
277 \else
278 \pause
279 \fi

280 \typeout{^^JChecking Extra LaTeX Computer Modern fonts...}
281 \@tempwafalse
282 \checkfont{cmmib5}
283 \checkfont{cmmib7}
284 \checkfont{cmex7}
285 \if@tempswa
286 \typeout{! BAD:^^J%
287 LaTeX2e uses a few 'extra' Computer Modern fonts produced by^^J%
288 The American Mathematical Society.^^J%
289 If you install The AMSFONTS font collection, then these, and other,^^J%
290 fonts will be available to LaTeX.^^J%
291 Although installing AMSFONTS is recommended, LaTeX does not require^^J%
292 The full collection; you may obtain a minimal set of extra LaTeX^^J%
293 fonts from any CTAN archive, in: tex-archive/macros/latex/fonts/}
294 \errhelp{Obtain LaTeX fonts or the AMSFONTS collection.}
295 \errmessage{BAD: Missing LaTeX Fonts}
296 \else
297 \pause
298 \fi

299 \typeout{^^JChecking T1 encoded Computer Modern (dc & ec) fonts...}

This command looks for the string dcr17< in the font tables for T1/cmr. If it is
there, then the T1 fd files match the old dc fonts, for dc release 1.1 or earlier. If
not then presumably new fd files are being used.

300 \def\dcrseventeen{%
301 \begingroup
302 \escapechar-1
303 \xdef\reserved@a{%
304 \noexpand\in@
305 {\expandafter\string\csname dcr17\endcsname<}%
306 {\expandafter\expandafter\expandafter
307 \string\csname T1/cmr/m/n\endcsname<}}%
308 \endgroup
309 \reserved@a}

Similarly this command looks for the string ecrm in the font tables for T1/cmr.
If it is there, then the T1 fd files match the ec fonts, for ec release 1.0 or later.

310 \def\ecrm{%
311 \begingroup
312 \escapechar-1
313 \xdef\reserved@a{%
314 \noexpand\in@
315 {\expandafter\string\csname ecrm\endcsname}%
316 {\expandafter\expandafter\expandafter
317 \string\csname T1/cmr/m/n\endcsname}}%
318 \endgroup
319 \reserved@a}

```

Remove the “! BAD” typeout while checking for dc fonts so as not to worry sites with just the new ones.

```
320 \def\checkfont#1{%
321   \batchmode
322   \font\test=#1\relax
323   \errorstopmode
324   \ifx\test\nullfont
325     \typeout{\@spaces\@spaces #1.tfm not found}
326     \@tempswatruer
327   \else
328     \typeout{\@spaces OK: #1.tfm found}
329   \fi}

330 \@tempswafalse
331 \checkfont{ecrm1000}
332 \if@tempswa
```

No ec fonts. Check the state of the dc fonts.

```
333 \typeout{No EC fonts found, checking DC fonts...}
334 \@tempswafalse
335 \checkfont{dcr10}
336 \if@tempswa
337   \@tempswafalse
338   \checkfont{tcr1000}
339   \if@tempswa
```

No dc fonts at all.

```
340   \typeout{^^J%
341 ! BAD: No ec fonts found!!^^J%
342 LaTeX does not require the use of ec fonts^^J%
343 however they are strongly recommended.^^J%
344 The ec fonts are available in a more natural range of sizes^^J%
345 and allow better hyphenation and kerning than the^^J%
346 old fonts such as cmr10.^^J%
347 These ec fonts may be obtained from CTAN archives, in:^^J%
348 tex-archive/fonts/ec}
349   \else
```

No old dc fonts, but new ones installed. First check whether the latest patch has been applied.

```
350   \font\testdc=dcr1000
351   \testdc
352   \setbox0\hbox{A{y}}
353   \setbox2=\hbox{Ay}
354   \ifdim\wd0>\wd2
355     \typeout{^^J%
356 ! BAD: dc fonts release 1.3 installed^^J%
357 The dc fonts are now replaced by the ec fonts^^J%
358 These ec fonts may be obtained from CTAN archives, in:^^J%
359 tex-archive/fonts/ec.}%
360   \else
361     \typeout{^^J%
362 ! BAD dc fonts 1.2 or older installed.^^J%
363 The dc fonts are now replaced by the ec fonts^^J%
364 These ec fonts may be obtained from CTAN archives, in:^^J%
365 tex-archive/fonts/ec.}%
366   \fi
367   \dcrseventeen
368   \ifin@
369     \typeout{^^J%
370 The fd files for the obsolete release 1.1 of the^^J%
371 dc fonts have been loaded into the LaTeX format.^^J%
372 However, you appear to have at least release 1.2 of the dc fonts.^^J%
```

```

373 You should generate suitable fd files by running:^^J%
374 latex newdc.ins^^J%
375 and then rebuild the format by rerunning:^^J%
376 initex latex.ltx}
377     \errmessage{BAD LaTeX2e system!!}
378     \else
379     \typeout{^^J%
380         DC fonts OK!}
381     \fi
382 \fi
383 \else
384 \@tempswafalse
385 \checkfont{tcr1000}
386 \if@tempswa
Old DC fonts, but no new ones.
387     \typeout{^^J%
388 Old dc fonts found!!^^J%
389 Only the original dc fonts are on your system.^^J%
390 Later releases of the dc/ec fonts introduced^^J%
391 many improvements and are strongly recommended.^^J%
392 They may be obtained from CTAN archives, in:^^J%
393 tex-archive/fonts/ec.}
394     \pause
395     \dcrseventeen
396     \ifin@ \else
397     \typeout{^^J%
398 The LaTeX2e installation has installed fd files for^^J%
399 release 1.2 (or later) of the dc fonts.^^J%
400 However, you appear to have only release 1.1 of these fonts.^^J%
401 You must now generate the correct fd files by running:^^J%
402 latex olddc.ins^^J%
403 and then rebuild the format by rerunning:^^J%
404 initex latex.ltx}
405     \errmessage{BAD LaTeX2e system!!}
406     \fi
407 \else
Both old and new DC fonts.
408     \font\testdc=dcr1000
409     \testdc
410     \setbox0\hbox{A{y}}
411     \setbox2=\hbox{Ay}
412     \ifdim\wd0>\wd2
413     \typeout{^^J%
414 ! BAD: dc fonts release 1.3 installed^^J%
415 The dc fonts are now replaced by the ec fonts^^J%
416 These ec fonts may be obtained from CTAN archives, in:^^J%
417 tex-archive/fonts/ec.}%
418     \else
419     \typeout{^^J%
420 ! BAD dc fonts 1.2 or older installed.^^J%
421 The dc fonts are now replaced by the ec fonts^^J%
422 These ec fonts may be obtained from CTAN archives, in:^^J%
423 tex-archive/fonts/ec.}%
424     \fi
425     \dcrseventeen
426     \ifin@
427     \typeout{^^J%
428 The fd files for the obsolete release 1.1 of the^^J%
429 dc fonts have been loaded into the LaTeX format.^^J%
430 However, you appear to have at least release 1.2 of the dcfonts.^^J%
431 You should use generate suitable fd files by running:^^J%

```

```

432 latex newdc.ins^^J%
433 and then rebuild the format by running:^^J%
434 initex latex.ltx^^J%
435 Otherwise LaTeX will always use the older fonts.}
436     \errmessage{BAD LaTeX2e system!!}
437     \else
438     \ecrm
439     \ifin@
440     \typeout{^^J%
441 The fd files for the new EC fonts have been loaded into^^J%
442 the LaTeX format.^^J%
443 However, these fonts are not found by LaTeX.^^J%
444 You should either install the ec fonts, or generate suitable^^J%
445 fd files for the dc fonts by running: \space latex newdc.ins^^J%
446 and then rebuild the format by running: \space initex latex.ltx}
447     \errmessage{BAD LaTeX2e system!!}
448     \else
449     \typeout{^^J%
450 DC fonts OK!^^J%
451 (Both old and new dc font releases are installed.)^^J%
452 Note that the dc fonts are expected to be replaced by ec^^J%
453 in January 1997.}
454     \fi
455     \fi
456 \fi
457 \fi

```

Else EC fonts are found, so check whether LaTeX is going to use them.

```

458 \else
459     \ecrm
460     \ifin@
461     \typeout{EC fonts OK!}
462     \else
463     \typeout{%
464 EC fonts installed but LaTeX is still using dc fonts.^^J%
465 You may want to run ec.ins and remake the LaTeX format}
466     \fi
467 \fi
468 \pause

```

The following files will be unpacked by running iniTeX on unpack.ins.

```

469 \typeout{^^JChecking LaTeX input files...^^J}

```

If the specified file is not there, add it to the list.

```

470 \def\checkfile#1{%
471   \IfFileExists{#1}{\edef\missingfile{\missingfile#1, }}}

```

Report any missing files in the last batch tested.

```

472 \def\filereport#1#2{%
473   \ifx\missingfile\@empty
474     \typeout{^^J%
475 OK: The #1 files such as #2^^J%
476 are accessible to LaTeX.}
477     \pause
478     \expandafter\@gobbletwo
479   \else
480     \typeout{^^J%
481 ! BAD: The #1 files:^^J%
482 \missingfile^^J%
483 are not accessible to LaTeX.}
484     \errhelp{Check the installation!}
485     \let\missingfile\@empty
486 \fi

```

```
487 \errmessage{Missing LaTeX files}}
```

Kernel files:

```
488 \let\missingfile\@empty
489 \checkfile{hyphen.ltx}
490 \checkfile{fontmath.ltx}
491 \checkfile{fonttext.ltx}
492 \checkfile{preload.ltx}
493 \checkfile{texsys.cfg}
494 \checkfile{latex.ltx}
```

Don't use `\filereport` here as the message is rather different as the `.ltx` files don't really need to be available to L^AT_EX once the format is made.

```
495 \ifx\missingfile\@empty
496 \typeout{^^J%
497 OK: The files such as latex.ltx that are used to make^^J%
498 the format are accessible to LaTeX.}
499 \else
500 \typeout{^^J%
501 The files:^^J%
502 \missingfile^^J%
503 that are used to make the format are not accessible to LaTeX.^^J%
504 This is OK, but you will need those files if you need to remake the^^J%
505 the format later.}
506 \fi
507 \pause
508 \let\missingfile\@empty
```

Class files and class options:

```
509 }
510 \checkfile{article.cls}
511 \checkfile{report.cls}
512 \checkfile{book.cls}
513 \checkfile{letter.cls}
514 \checkfile{ltxdoc.cls}
515 \checkfile{proc.cls}
516 \checkfile{slides.cls}
517 \checkfile{bk10.clo}
518 \checkfile{bk11.clo}
519 \checkfile{bk12.clo}
520 \checkfile{size10.clo}
521 \checkfile{size11.clo}
522 \checkfile{size12.clo}
523 \checkfile{fleqn.clo}
524 \checkfile{leqno.clo}
525 \filereport{main class}{article.cls}
```

Package files:

```
526 \checkfile{alltt.sty}
527 \checkfile{doc.sty}
528 \checkfile{exscale.sty}
529 \checkfile{flafter.sty}
530 \checkfile{fontenc.sty}
531 \checkfile{graphpap.sty}
532 \checkfile{ifthen.sty}
533 \checkfile{inputenc.sty}
534 \checkfile{latexsym.sty}
535 \checkfile{makeidx.sty}
536 \checkfile{newlfont.sty}
537 \checkfile{oldlfont.sty}
538 \checkfile{shortvrb.sty}
539 \checkfile{showidx.sty}
540 \checkfile{slides.sty}
```

```
541 \checkfile{syntonly.sty}
542 \checkfile{tracefnt.sty}
543 \filereport{main package}{ifthen.sty}
```

Font definition (.fd) files:

```
544 }
545 \checkfile{omlcmm.fd}
546 \checkfile{omlcmr.fd}
547 \checkfile{omllcmm.fd}
548 \checkfile{omscmr.fd}
549 \checkfile{omscmsy.fd}
550 \checkfile{omslcmsy.fd}
551 \checkfile{omxcmex.fd}
552 \checkfile{omxlcex.fd}
553 \checkfile{ot1cmdh.fd}
554 \checkfile{ot1cmfib.fd}
555 \checkfile{ot1cmfr.fd}
556 \checkfile{ot1cmr.fd}
557 \checkfile{ot1cmss.fd}
558 \checkfile{ot1cmtt.fd}
559 \checkfile{ot1cmvtt.fd}
560 \checkfile{ot1lcmss.fd}
561 \checkfile{ot1lcmtt.fd}
562 \checkfile{t1cmdh.fd}
563 \checkfile{t1cmfib.fd}
564 \checkfile{t1cmfr.fd}
565 \checkfile{t1cmr.fd}
566 \checkfile{t1cmss.fd}
567 \checkfile{t1cmtt.fd}
568 \checkfile{t1cmvtt.fd}
569 \checkfile{ts1cmr.fd}
570 \checkfile{ts1cmss.fd}
571 \checkfile{ts1cmtt.fd}
572 \checkfile{ts1cmvtt.fd}
573 \checkfile{ucmr.fd}
574 \checkfile{ucmss.fd}
575 \checkfile{ucmtt.fd}
576 \checkfile{ullasy.fd}
577 \checkfile{ulasy.fd}
578 \filereport{font definition}{t1cmr.fd}
```

Font encoding files:

```
579 \checkfile{t1enc.def}
580 \checkfile{ot1enc.def}
581 \checkfile{omsenc.def}
582 \checkfile{omlenc.def}
583 \filereport{font encoding}{t1enc.def}
```

Input encoding files:

```
584 \checkfile{ascii.def}
585 \checkfile{latin1.def}
586 \checkfile{latin2.def}
587 \checkfile{latin3.def}
588 \checkfile{latin5.def}
589 \checkfile{cp850.def}
590 \checkfile{cp852.def}
591 \checkfile{cp865.def}
592 \checkfile{cp437.def}
593 \checkfile{cp437de.def}
594 \checkfile{applemac.def}
595 \checkfile{next.def}
596 \checkfile{ansinew.def}
```

```
597 \filereport{input encoding}{latin1.def}

Compatibility files:
598 \checkfile{article.sty}
599 \checkfile{book.sty}
600 \checkfile{letter.sty}
601 \checkfile{proc.sty}
602 \checkfile{report.sty}
603 \checkfile{fleqn.sty}
604 \checkfile{leqno.sty}
605 \checkfile{openbib.sty}
606 \checkfile{latex209.def}

607 \filereport{compatibility mode}{article.sty}

Other files:
608 \checkfile{bezier.sty}
609 \checkfile{docstrip.tex}
610 \checkfile{slides.def}
611 \checkfile{sfonts.def}
612 \checkfile{t1enc.sty}

613 \filereport{remaining}{sfonts.def}
614 \@@end
```