

The framed package*

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Create framed, shaded, or differently highlighted regions that can break across pages. The environments defined are

`framed` – ordinary frame box (`\fbox`) with edge at margin
`shaded` – shaded background (`\colorbox`) bleeding into margin
`snugshade` – similar
`leftbar` – thick vertical line in left margin

to be used like

```
\begin{framed}
  copious text
\end{framed}
```

But the more general purpose of this package is to facilitate the creation of environments that enable page breaking within arbitrary decorations using a simple new-environment definition incorporating `\FrameCommand` and `\begin{MakeFramed}{<settings>} ... \end{MakeFramed}`

The “`framed`” environment uses “`\fbox`” as its “`\FrameCommand`” with the additional settings `\fboxrule=\FrameRule` and `\fboxsep=\FrameSep`. You can change these lengths (using `\setlength`) and you can change the definition of `\FrameCommand` to use much fancier boxes.

In fact, the “`shaded`” environment just redefines `\FrameCommand` to be `\colorbox{shadecolor}` (and you have to define the color “`shadecolor`”: `\definecolor{shadecolor}...`).

A page break is allowed, and even encouraged, before the `framed` environment. If you want to attach some text (a box title) to the frame, then the text should be inserted by `\FrameCommand`.

*This manual corresponds to `framed` v0.95, dated 2007/10/04.

The contents of the framed regions are restricted: Floats, footnotes, marginpars and head-line entries will be lost. (Some of these may be handled in a later version.) This package will not work with the page breaking of `multicol.sty`, or other systems that perform column-balancing.

The `MakeFramed` environment does the work. Its “`<settings>`” argument should contain any adjustments to the text width (applied to `\hspace`, and using the “`\width`” of the frame itself) as well as a “restore” command – `\@parboxrestore` or `\FrameRestore` or something similar; as an example, the `snugshade` environment shows how to suppress excess spacing within the box, copying the code from `minipage`.

Expert commands:

- `\MakeFramed`, `\endMakeFramed`: the “`MakeFramed`” environment
- `\FrameCommand`: command to draw the frame around its argument
- `\FrameRestore`: restore some text settings, but fewer than `\@parboxrestore`
- `\FrameRule`: length register; `\fboxrule` for default “`framed`”.
- `\FrameSep`: length register; `\fboxsep` for default “`framed`”.
- `\FrameHeightAdjust`: macro; height of frame above baseline at top of page

This is still a ‘pre-production’ version because I can think of many features/improvements that should be made. Nevertheless, starting with version 0.5 it should be bug-free.

ToDo:

- Test more varieties of list
- Improve and correct documentation
- Propagation of `\marks`
- Handle footnotes (how??) floats (?) and marginpars.
- Stretchability modification.