

Chapter 1

Usage of the sidenotes package

The package provides a number of macros to typeset rich content in the margin. Please read the output of this L^AT_EX file and look at the input file while doing so. We start with the `\sidenote` macro.

1.1 `\sidenote[number]{text}`

It is very similar to `\footnote` and tries to emulate its behavior.¹ It has the same parameters as footnote. The sidenote moves up or down (floats) to not overlap with other floats in the margin.² All the sidenotes are subsequently numbered. The first, optional parameter will manually change the numbering of the sidenote.⁶⁶⁶

¹ But like the name says, the note is put in the margin, hence the name sidenote.

² Note how this paragraph is slightly moved down.

⁶⁶⁶ This note is evil.

1.2 `\sidenotemark[number]`

Sidenote tries to mimic the footnote behavior and provides the same solutions. Sometimes it is not possible to directly call a sidenote macro, e.g. in particular environments. Then, you can also use `\sidenotemark` macro.³ If a number is given, that number is used.⁹⁹ This puts a mark at the current position.

1.3 `\sidenotetext[number]{text}`

Afterwards, outside of the environment that causes the trouble, it is possible the call `\sidenotetext{text}` to actually make the sidenote. The optional parameter will again manually change the numbering of the sidenote.

³ Please note, how the numbering still counts from the last usual call

⁹⁹ Then, you have to make sure the number match!

1.4 `\sidestyle`

You can use `\renewcommand{\sidestyle}{something}`, if you want to change the font, text size, text color or something else of the sidenotes.⁴ The default value is `\footnotesize`, `\sidestyle` is the prefix for all sidenotes.⁵ Please note that the values do not add up, `\sidestyle` is overwritten by every use of `\renewcommand{\sidestyle}{...}`.⁶

⁴ Here, we changed `\sidestyle` to `\raggedright`.

⁵ Here, we changed to `\em`

⁶ Back to default behavior.

1.5 `\sidecite{citekey}`

The macro `\sidecite` puts a citation in the margin. It uses the `bibentry` package and has the same set of parameters. We add a citation of the BCS-theory here as an example.⁷ The behavior is the same as in `\sidenote` and `\auto` floating.

⁷ Stig Lundqvist, editor. *Nobel Lectures, Physics 1971-1980*. World Scientific Publishing Co., Singapore, 1992

1.6 `\sidecaption{captiontext}`

The `\sidecaption` macro can be used if the caption of a figure or table is supposed to be in the margin. Please note, that the formatting is done by the caption package. Simply use `\sidecaption` instead of `\caption` in the figure

Figure 1.1: I am a caption, but in the margin.

environment.

1.7 `sidefigure`

The `sidefigure` environment puts a figure and its caption in the margin. Instead of `\begin{figure}` use `\begin{sidefigure}`. Please note, that the use of caption before `\includegraphics` puts the caption in line with the top of the figure and the use after `\includegraphics` puts it in line with the bottom of the actual figure. The formatting is done by the caption package.

Figure 1.2: This is a figure with its caption in the margin.

Hg	Sn	Pb	Cd	Tl
0.50	0.47	0.48	0.5	0.5

Table 1.1: This is a table in the margin

1.8 `sidetable`

The `sidetable` environment works similarly to `sidefigure`, but with table environments. Use `\begin{sidetable}` instead of `\begin{table}`. The formatting is also done with help of the caption package.

1.9 Technical notes and further macros

Sometimes it is useful to put text in the margin without a mark in the text. This can be achieved with `\marginpar{text}`.

The `\sidecaption` macro relies on the `marginnote` package by Markus Kohm and is used by the `sidenotes` package automatically.

When writing the package, we tried to be as general as possible. Someone can e.g. use `sidenotes` mixed with `footnotes`.^{*} Also, the package tries to provide only functionality and does not know anything about formatting such as margin text size, color or anything else. Only `\sidestyle` was added for convenience.

^{*}Here, we have a footnote as well. The marker was changed to symbols to avoid confusion with the same numbers as `sidenotes`.