

# 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<sup>A</sup>T<sub>E</sub>X 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.<sup>1</sup> It has the same parameters as footnote. The sidenote moves up or down (floats) to not overlap with other floats in the margin.<sup>2</sup> All the sidenotes are subsequently numbered. The first, optional parameter will manually change the numbering of the sidenote.<sup>666</sup>

<sup>1</sup> But like the name says, the note is put in the margin, hence the name sidenote.

<sup>2</sup> Note how this paragraph is slightly moved down.

<sup>666</sup> 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.<sup>3</sup> If a number is given, that number is used.<sup>99</sup> 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.

<sup>3</sup> Please note, how the numbering still counts from the last usual call

<sup>93</sup> 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.<sup>4</sup> The default value is `\footnotesize`, `\sidestyle` is the prefix for all sidenotes.<sup>5</sup> Please note that the values do not add up, `\sidestyle` is overwritten by every use of `\renewcommand{\sidestyle}{...}`.<sup>6</sup>

<sup>4</sup> Here, we changed `\sidestyle` to `\raggedright`.

<sup>5</sup> Here, we changed to `\em`

<sup>6</sup> Back to default behavior.

### 1.5 `\sidecite[prefix][postfix]{citekey}`

The macro `\sidecite` puts a citation in the margin. The macro has the same set of parameters as `\biblatex`. We add a citation here as an example.<sup>7</sup> The behavior

<sup>7</sup> see: Stig Lundqvist, ed. *Nobel Lectures, Physics 1971-1980*. World Scientific Publishing Co., Singapore, 1992, Nobel prize 1972

is the same as in `\sidenote` and auto floating. For post- and prenote please refer to the biblatex manual, the parameters are directly passed to biblatex.

## 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`.<sup>\*</sup> 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 `\sidedstyle` was added for convenience.

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<sup>\*</sup>Here, we have a footnote as well. The marker was changed to symbols to avoid confusion with the same numbers as `sidenotes`.