

Chapter 1

Table Layout

This example shows floats in one-column document.

Common float settings.

Font for float contents \small; skips before foot material half reduced; footnote rule has maximum width ≈ 27 mm; separation between beside caption and object equals to 1 em; separation between beside float boxes also equals to 1 em.

```
\usepackage[font=small,footskip=.5\skip\footins,
  captionskip=5pt,capbesidesep=quad,floatrowsep=quad]{floatrow}
```

Common caption settings.

For caption text used \small font; justification centerlast (last line centered).

```
\usepackage[font=small,justification=centerlast]{caption}
```

Common subcaption settings.

Justification centerlast (last line centered).

```
\usepackage[justification=centerlast]{subfig}
```

Special settings for float types.

Table.

For tables is used Plaintop style (captions aligned by top line); skip between caption and object half reduced.

```
\floatsetup[table]{style=Plaintop,captionskip=5pt}
```

Special caption settings for float types.

Table.

For tables was created special format with separated label flushed to the right; font of label slanted, font of caption text bold.

To restore normal behavior for \floatfoot macro, here goes \captionsetup for floatfoot style.

```
\DeclareCaptionFormat{flushrightlabel}{\leavevmode
\rightline{#1}#2#3\par}
```

```
\captionsetup[table]%
{format=flushrightlabel,labelsep=newline,
textfont=bf,labelfont=sl}
```

```
\captionsetup[floatfoot]{format=default}
```

With caption's version 3d you may set table format by this way:

```
\DeclareCaptionFormat*{flushrightlabel}{\rightline{#1}#3\par}
```

```
\captionsetup[table]%
{format=flushrightlabel,labelsep=none,textfont=bf,labelfont=sl}
```

You may see, that there are absent settings for \floatfoot. (Unfortunately, if your table has only label, and no any text, the unwanted space appears instead of caption title.)

*For continued table (like table 1.11 on the page 11) was created new label format and defined command \ContinuedTable, which includes special **continued** format and \ContinuedFloat command.*

```
\DeclareCaptionLabelFormat{continued}{\bothIfFirst{#1}{ }#2.
\emph{Continued}}
```

```
\def\ContinuedTable{\ContinuedFloat
\captionsetup[table]{labelformat=continued}}
```

Special settings for special float layout.

Rotated.

For rotated floats beside caption placed to right side of object; right side expanded to the top of running head. To delete running head from pages with rotated float was used \emptyfloatpage macro¹ and loaded floatpagestyle package.

```
\DeclareMarginSet{expand}%
{\setfloatmargins{\hfil}
{\hskip-\headsep\hskip-.7\headheight plus1fil}}
\floatsetup[rotfloat]{sidecappos=right,floatmargins=expand}
```

¹In current example the \wideemptyfloatpage command is the synonym.

Table 1.1

Plain table environment with tabularx. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space

Text for first column of first row	More text for second column of first row	More text for third column of first row
Text for first column of second row	More text for second column of second row	More text for third column of second row
Text for first column of third row	More text for second column of third row	More text for third column of third row

Example of plain table environment (table 1.1),

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

Table 1.2

Plain table environment (tabularx) with predefined width. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space

Text for first column of first row	More text for second column of first row	More text for third column of first row
Text for first column of second row	More text for second column of second row	More text for third column of second row
Text for first column of third row	More text for second column of third row	More text for third column of third row

Example of plain table environment (table 1.2) with predefined width. Before table environment was written:

```
\thisfloatsetup{floatwidth=.85\hsize}
```

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

Table 1.3

**Float box table (`\ttabbox`) width
of table**

Column Head	Data	
	I	II
First row	1	2
Second row	3	4
Third row	6	8
Fourth row	10	16

Text of floatfoot. And more text and
some more text and a bit more text and
a little more text and a little peace of
text to fill space

**Example of table placed in `\ttabbox` (`\floatbox stuff`); the width
of float box equals to the width of table (see table 1.3).**

And more text and some more text and a bit more text and a little more
text and a little peace of text to fill space. And more text and some more text
and a bit more text and a little more text and a little peace of text to fill space.
And more text and some more text and a bit more text and a little more text
and a little peace of text to fill space. And more text and some more text and
a bit more text and a little more text and a little peace of text to fill space.

Table 1.4

Table with two \subfloats (from subfig package)(a) *First table*(b) *Second table with long long
long caption*

Column Head	Data	
	I	II
First row	1	2
Second row	3	4
Third row	6	8
Fourth row	10	16

Column Head	Data		
	I	II	III
First row	1	2	1
Second row	3	4	6
Third row	6	8	28

The example of subtables (table 1.4) with two subtables (a) and (b).

Here for sub tables was used the subfloatrow environment (this environment allows usage (and definition) of common horizontal skip between subfloats).

```

\begin{table*}\extrarowheight1pt
\floatbox[\capttop]{table}[\FBwidth]
{\caption{...}
{\begin{subfloatrow}
\subfloat[...]{...}

\subfloat[...]{...}%
\end{subfloatrow}}
\end{table*}%

```

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

Table 1.5

**Beside table I with long
long long top aligned
header**

Column Head	Data	
	I	II
First row	1	2
Second row	3	4
Third row	6	8
Fourth row	10	16

Table 1.6

Beside table II short header

Column Head	Data		
	I	II	III
First row	1	2	1
Second row	3	4	6
Third row	6	8	28

The example of table row (tables 1.5–1.6).

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

Table 1.7

The `tabularx` environment with width `.85\hsize`

A text for first column of first row	More text for second column of first row
A text for first column of second row	More text for second column of second row
A text for first column of third row	More text for second column of third row

Table 1.8

The `tabularx` (from `tools` bundle) environment with width `1.15\hsize`

Text for first column of first row	More text for second column of first row
Text for first column of second row	More text for second column of second row
Text for first column of third row	More text for second column of third row

Table 1.9

The `tabular*` environment with width `.85\hsize`

A text for first column of first row	More text for second column of first row
A text for first column of second row	More text for second column of second row
A text for first column of third row	More text for second column of third row

Table 1.10

The starred \LaTeX 's `tabular*` environment with width `1.15\hsize`

Text for first column of first row	More text for second column of first row
Text for first column of second row	More text for second column of second row
Text for first column of third row	More text for second column of third row

Example of two rows: first—of beside tables in `tabularx` environments; second—of beside tables in `tabular*` environments. Both rows use first column width = `.85\hsize`, and second column = `1.15\hsize`. (see tables 1.7–1.10).

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

Example of continued rotated plain table on facing pages (see table 1.11 on pages 10–11).

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

Plain table inside sidewaysstable environment, full text width. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space

[illegible]

Table 1.11. Continued

Text for first column of first row And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.	More text for second column of first row And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.	More text for third column of first row And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.
Text for first column of second row And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.	More text for second column of second row And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.	More text for third column of second row And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.
Text for first column of third row And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.	More text for second column of third row And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.	More text for third column of third row And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

Example of two beside tables in wide rotated table environment (sidewaystable*) (see tables 1.12–1.13 on page 13).

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

Table 1.12

Text for first column of first row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for second column of first row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for third column of first row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space
Text for first column of second row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for second column of second row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for third column of second row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space
Text for first column of third row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for second column of third row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for third column of third row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space

If you use inside `\floatbox` stuff `tabularx` or `tabular*` environments with `\hsize` command inside $\langle width \rangle$ argument, you must repeat the `\hsize` argument in $\langle width \rangle$ argument of `\floatbox` macro.

Table 1.13

Text for first column of first row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for second column of first row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for third column of first row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space
Text for first column of second row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for second column of second row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for third column of second row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space
Text for first column of third row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for second column of third row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space	More text for third column of third row. And more text and some more text and a bit more text and a little more text and a little peace of text to fill space

If you want to set width of `tabularx` or `tabular*` environments like `.8\hsize` (or `1.2\hsize`) and they placed inside any `\floatbox` macro, load `.8\hsize` in $\langle width \rangle$ argument of `\floatbox` macro, and in $\langle width \rangle$ argument of `tabularx` or `tabular*` load only `\hsize` macro.

And more text and some more text and a bit more text and a little more
text and a little peace of text to fill space. And more text and some more text
and a bit more text and a little more text and a little peace of text to fill space.
And more text and some more text and a bit more text and a little more text
and a little peace of text to fill space. And more text and some more text and a
bit more text and a little more text and a little peace of text to fill space. And
more text and some more text and a bit more text and a little more text and
a little peace of text to fill space. And more text and some more text and a
bit more text and a little more text and a little peace of text to fill space. And
more text and some more text and a bit more text and a little more text and a
little peace of text to fill space. And more text and some more text and a bit
more text and a little more text and a little peace of text to fill space.

Table 1.14

Text for first column of first row	More text for second column of first row	More text for third column of first row
Text for first column of second row	More text for second column of second row	More text for third column of second row
Text for first column of third row	More text for second column of third row	More text for third column of third row

Table 1.15

Text for first column of first row	More text for second column of first row	More text for third column of first row
Text for first column of second row	More text for second column of second row	More text for third column of second row
Text for first column of third row	More text for second column of third row	More text for third column of third row

Table 1.16

Text for first column of first row	More text for second column of first row	More text for third column of first row
Text for first column of second row	More text for second column of second row	More text for third column of second row
Text for first column of third row	More text for second column of third row	More text for third column of third row

Table 1.17

Text for first column of first row	More text for second column of first row	More text for third column of first row
Text for first column of second row	More text for second column of second row	More text for third column of second row
Text for first column of third row	More text for second column of third row	More text for third column of third row