Chapter 1

Table Layout

This example shows floats in one-column document.

Common float settings.

Font for float contents $\sl mall$; 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 $\formalfont macro, here goes \captionsetup for floatfoot style.$

```
\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.

```
\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.

 $^{^1\}mathrm{In}$ 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	More text for second col-	More text for third col-
first row	umn of first row	umn of first row
Text for first column of	More text for second col-	More text for third col-
second row	umn of second row	umn of second row
Text for first column of	More text for second col-	More text for third col-
third row	umn of third row	umn 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	More text for second	More text for third
of first row	column of first row	column of first row
Text for first column	More text for second	More text for third
of second row	column of second row	column of second row
Text for first column	More text for second	More text for third
of third row	column of third row	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 little more text and a little more text and a bit more text and some more text and a bit more text and a little peace of text to fill space.

Table 1.3 Float box table ($\texttt{\tabbox}$) width of table

Column Head	Da	nta
	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 peace of text to fill space.

 ${\it Table \ 1.4} \\ {\it Table \ with \ two \ \ \ (from \ subfig \ package)}$

- (a) First table
- (b) Second table with long long long caption

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

Column Head		Data	a
	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[\captop]{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 little more text and a little more text and a bit more text and some more text and a bit more text and a little peace of text to fill space.

 $\begin{array}{cccc} Table \ 1.5 & Table \ 1.6 \\ \textbf{Beside table I with long} & \textbf{Beside table II short header} \\ \textbf{long long top aligned} & \textbf{header} \end{array}$

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

Column Head		Data	a
	Ι	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 little more text and a little more text and a bit more text and some more text and a bit more text and a little peace of text to fill space.

Table 1.7 width .85\hsize

A text for first	More text for
column of first	second column
row	of first row
A text for first	More text for
column of sec-	second column
ond row	of second row
A text for first	More text for
column of third	second column
row	of third row

Table 1.8 The tabularx environment with The tabularx (from tools bundle) environment with width 1.15\hsize

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

Table 1.9 width .85\hsize

A text for first	
column of first	second column
row	of first row
A text for first	
column of sec-	second column
ond row	of second row
A text for first	More text for
column of third	second column
row	of third row

Table 1.10 The tabular* environment with The starred LATEX's tabular* environment with width 1.15\hsize

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

Plain table inside sidewaystable 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

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

Table 1.11. Continued

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

More text for third

column of second

row. And more text and some more text

Table 1.13

Text for first column	More text for second	More text for third	Text for first column	More text for second
of first row. And	column of first row.	column of first row.	of first row. And	column of first row.
more text and some	And more text and	And more text and	more text and some	And more text and
more text and a bit	some more text and	some more text and	more text and a bit	some more text and
more text and a lit-	a bit more text and a	a bit more text and a	more text and a lit-	a bit more text and a
tle more text and a	little more text and	little more text and	tle more text and a	little more text and
little peace of text to	a little peace of text	a little peace of text	little peace of text to	a little peace of text
fill space	to fill space	to fill space	fill space	to fill space
Text for first column	More text for sec-	More text for third	Text for first column	More text for sec-
of second row. And	ond column of sec-	column of second	of second row. And	ond column of sec-
more text and some	ond row. And more	row. And more text	more text and some	ond row. And more
more text and a bit	text and some more	and some more text	more text and a bit	text and some more
more text and a lit-	text and a bit more	and a bit more text	more text and a lit-	text and a bit more
tle more text and a	text and a little	and a little more	tle more text and a	text and a little
little peace of text to	more text and a lit-	text and a little	little peace of text to	more text and a lit-
fill space	tle peace of text to	peace of text to fill	fill space	tle peace of text to
	fill space	space		fill space
Text for first column	More text for second	More text for third	Text for first column	More text for second
of third row. And	column of third row.	column of third row.	of third row. And	column of third row.
more text and some	And more text and	And more text and	more text and some	And more text and
more text and a bit	some more text and	some more text and	more text and a bit	some more text and
more text and a lit-	a bit more text and a	a bit more text and a	more text and a lit-	a bit more text and a
tle more text and a	little more text and	little more text and	tle more text and a	little more text and
little peace of text to	a little peace of text	a little peace of text	little peace of text to	a little peace of text
fill space	to fill space	to fill space	fill space	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 \langle floatbox macro.

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 \\(\lambda \times \text{width} \rangle \text{ argument of \text{\text{Idatbox}}} \) argument of \text{\text{\text{Idatbox}}} \text{ argument of \text{\text{\text{Idatbox}}}} \) or tabular* load only \hsize macro.

a bit more text and a

little more text and a little peace of text

to fill space

some more text and

And more text and

text and a little

peace of text to fill

More text for third column of third row.

space

and a little more

and a bit more text

Example of two rows of beside tables in wide rotated table (see tables 1.14–1.17 on page 15). There were used tabularx environment in first row and tabular*—in the second.

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

Table 1.14

More text for third

column of first row

More text for third column of second

Table 1.16

More text for second column of first row

Text for first column

of first row

Text for first column of second row

More text for second column of sec-

Table 1.17

More text for third column of third row

row

More text for third	Text for first column	Text for first column More text for second More text for third	More text for third
column of first row	of first row	column of first row	column of first row
More text for third	Text for first column	Text for first column More text for sec- More text for third	More text for third
column of second	of second row	ond column of sec-	ond column of sec- column of second
row		ond row	row
More text for third	Text for first column	Text for first column More text for second More text for third	More text for third
column of third row	of third row	column of third row	column of third row

ond row

More text for second column of third row

Text for first column of third row