

# Chapter 1

## One Column Facing Document (Beta-Version Example)

*This example shows floats in one-column document in facing layouts.*

Common caption settings.

*For caption text used \small font; caption label font bold, separated by period sign.*

```
\usepackage[font=small,labelfont=bf,labelsep=period,
singlelinecheck=no]{caption}
```

Special caption settings for current float types.

Textbox.

*Justified alignment. If float stays alone caption label hangs to the left; if float stays in floatrow environment—there is used normal float style (with in-line caption label).*

*In beside captions caption label stays separately on line. Justification left.*

*For captions in wide floats (which climb out to the left margin) used miscellaneous format, which in floatrow environment restored to normal.*

```
\makeatletter
\DeclareCaptionFormat{hangorbreak}{\FBiffloatrow#1#2#3\par
\else\@hangfrom{#1#2}%
\advance\captionparindent\hangindent
\advance\captionhangindent\hangindent
#3\par\fi}
\makeatother
```

```
\DeclareCaptionFormat{marginpars}{\FBiffloatrow#1#2#3\par
\else
```

```

\ vbox to 0pt{\RaggedRight\FBifcaptop\vss\fi
\ floatfacing
\ { \addtolength\leftskip{\textwidth+1em}}%
\ { \addtolength\rightskip{\textwidth+1em}}%
#1\par#3%
\FBifcaptop\else\vss\fi}\fi}

\captionsetup[textbox]{justification=justified,
format=hangorbreak}

\captionsetup[capbesidetextbox]{justification=raggedright,
format=default,labelsep=newline}

\captionsetup[widetextbox]{format=marginpars}

Common subcaption settings.
Justification left. One line subcaptions have the same alignment.

\usepackage[justification=raggedright,
singlelinecheck=no]{subfig}

Special settings for float types.
Textbox.
The new float textbox uses corrected Boxed style; object contents flushed to left margins; \captionskip defined as 7 pt; captions below objects; object contents; alignment: \parindent = 15 pt, \parskip = 2 pt; beside captions aligned to frames; width of beside captions equals to margin width; objects aligned by top line.

\DeclareObjectSet[indent]{\raggedright\parindent15pt\parskip2pt}

\floatsetup[textbox]{style=Boxed,heightadjust=all,
frameset={\fboxrule=1pt\fboxsep=12pt},
margins=raggedright,captionskip=7pt,
capposition=bottom,objectset=indent,
capbesideframe=yes,capbesideposition=outside,
capbesidewidth=\marginparwidth,valign=t}

Special settings for special float layout.
Wide float.
For wide float set hanged indentation to binder margin; the default width of object equals ti text width; The facing control switched on.

\DeclareMarginSet{hangoutside}%
{\setfloatmargins*
{\hfil}{\hskip-\marginparwidth\hskip-\marginparsep}}

\floatsetup[widetextbox]{margins=hangoutside,facing=yes,
floatwidth=\textwidth}

```

Rotated float.

*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` macro<sup>1</sup> and loaded `floatpagestyle` package.*

```
\DeclareMarginSet{expand}%  
  {\setfloatmargins  
    {\hfil}{\hskip-\headsep\hskip-.7\headheight plus1fil}}  
  
\floatsetup[rotfloat]{capbesideposition=right,margins=expand,  
  facing=no, capbesidewidth=none}
```

*For this document there was also used special page style for running heads using `fancyhdr`. If this style exists on your system the special page style will be loaded otherwise the `plain` page style used.*

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<sup>1</sup>In current example the `\wideemptyfloatpage` command is the synonym.

Here goes first line of text 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  
There goes second line of text  
Thence goes third line of text 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  
Hence goes fourth line of text

**Text 1.** Plain `textbox` environment. 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 plain `textbox` environment (text ??).**

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.

Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text

**Text 2.** Plain `textbox` environment with pre-  
defined width. And more text and some  
more text and a bit more text and a lit-  
tle more text and a little peace of text  
to fill space

**Example of plain `textbox` environment (box ??) with predefined width.**

```
\thisfloatsetup{floatwidth=7cm}
```

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.

Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text

**Text 3.** The `textbox` environment including `\ttextbox` with defined 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

**Example of textbox placed in `\ttextbox` (`\floatbox` stuff); the width of float box equals to defined width (see text box ??).**

```
\ttextbox[.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.

Here goes first line of text  
 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  
 There goes second line of  
 text  
 Thence goes third line of  
 text 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  
 Hence goes fourth line of  
 text

**Text 4**

Beside caption. The width of object  
 equals to 1“column” 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

**Example of text box with beside caption (see box ??).**

```
\thisfloatsetup{capposition=beside,capbesidewidth=none}
```

**Since the textbox setup defines width for beside caption, there was redefined key capbesidewidth=none. Both caption and float object occupy 1“column” 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. 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.

Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text

### Text 5

Plain wide textbox. 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

**Examples of plain wide textbox environments (see text boxes ??–??).**

**For text box ?? (at the bottom of page ??) was redefined position of caption**

```
\floatsetup[textbox]{capposition=top}
```

**inside group.**

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.

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 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.

Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text

6  
wide textbox with [h]  
nent option. And more  
nd some more text and  
more text and a little  
text and a little peace of  
o 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.

7  
wide textbox with [b]  
nent option. And more  
nd some more text and  
more text and a little  
text and a little peace of  
o 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.

Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text

Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text

#### **Text 8**

Wide beside caption with default settings. 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 text box with beside caption (see text box ??). The default settings of caption and text box width put text box' contents at the space of main text and caption at the space of marginal paragraphs.**

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.

Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text<sup>a</sup>

Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text. 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.

9

text I in float row. And more text and some more  
 text and a bit more text and a little more text and a little  
 of text to fill space

text of footnote. And more text and some more text and  
 more text and a little more text and a little peace of text  
 space

**Text 10**

Beside text II in float row

Text of float foot. 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 row with two textboxes (boxes ??-??).**

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 plain rotated text box with beside caption (see figure ?? on page ??).**

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.

Here goes first line of text 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

There goes second line of text 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.

Thence goes third line of text 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

Hence goes fourth line of text

#### **Text 11**

Beside caption. 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



Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text

Here goes first line of text 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

There goes second line of text

Thence goes third line of text 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

Hence goes fourth line of text<sup>a</sup>

**Text 12**

Beside text I. 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

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<sup>a</sup>Text of footnote. 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

Here goes first line of text 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

There goes second line of text 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.

Thence goes third line of text 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

Hence goes fourth line of text

**Text 13**

Beside text II

Text of float foot. 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