Chapter 1

Beside and Other Captions (Beta-Version Example)

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

Common float settings

Font for float contents `\small`; `\captionskip` *is defined as 5pt; separation between beside float boxes equals to 2 em; flag for captions beside framed object is true (frames will be defined later).*

```
\usepackage[font=small,captionskip=5pt,
   capbesideframe=yes]{floatrow}
```

Common caption settings.

For caption text used `\small` *font; caption label font bold; label separated by period sign; justification left; one-line captions have the same alignment as multiline ones.*

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

Special caption settings for current float types.

Figure.

Label hangs on the left margin without label separator; justification left. In beside captions label is placed above caption text.

```
\DeclareCaptionFormat{Hang}{\leftskip7cc\parindent0pt
  \noindent\llap{\hbox to\leftskip{#1#2\hfil}}#3\par}
\captionsetup[figure]%
   {format=Hang,labelsep=none,justification=raggedright}
\captionsetup[capbesidefigure]%
   {format=default,labelsep=newline}
```

Textbox.

Justification left. For beside captions used `break` *style (the* `labelsep=none`

won't help here, because of `\newline` *command adds a glue at the end of line); justification right.*

```
\captionsetup[textbox]{justification=raggedright}
\DeclareCaptionFormat{break}{#1#2\break#3}
\captionsetup[capbesidetextbox]%
  {format=break,labelsep=none,justification=raggedleft}
```

Special settings for float types.

Figure.

For figures is used `Boxed` *style; captions always beside object and have width of margin (with separation); they always placed on the left margin and separated by 1 cicero space; object contents centered; the default width of float object equals to text width; float margins hang to the left by 7 cicero.*

The wide figures (starred environment) put captions below object

```
\DeclareMarginSet{hangleft}%
  {\setfloatmargins{\hskip-7cc}{\hfill}}
\floatsetup[figure]{style=Boxed,
  capposition=beside,capbesidewidth=6cc,objectset=centering,
  capbesideposition=left,capbesidesep=cicero,
  floatwidth=\columnwidth,
  margins=hangleft}

\floatsetup[widefigure]{capposition=bottom}
```

Textbox.

The new float `textbox` *uses corrected* `Boxed` *style; caption always stays beside float object—on the left side; the default width of float object 6 centimeters; the default width of caption 4.5 cicero; caption separated from objects by 1 cicero; margins use settings which center float object; object contents flushed to left margins;* `\parindent` $= 15\,pt$, `\parskip` $= 2\,pt$.

For wide text boxes caption placed below float object; the default object width equals to text width; float box alignment left.

```
\DeclareMarginSet{capleft}%
  {\setfloatmargins{\hfill}{\hfill\hskip\FCwidth}}

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

\floatsetup[textbox]{style=Boxed,
  frameset={\fboxrule=1pt\fboxsep=12pt},
  capposition=beside,capbesideposition=left,
  floatwidth=6cm,capbesidewidth=4.5cc,
  capbesidesep=cicero,margins=capleft,
  objectset=indent}

\floatsetup[widetextbox]{capposition=bottom,
  floatwidth=\columnwidth,margins=raggedright}
```

Figure 1.1
Plain figure

Example of plain `figure` environment (figure ??). 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.

Example of plain `textbox` environment (text ??). The width of object equals to 6 cm. 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

Text 1.1
Plain textbox
without any
settings

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 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.

Example of plain `textbox` environment (text ??) with defined width

`\thisfloatsetup{floatwidth=8cm}`

This width is a bit more than `\textwidth-2\captionwidth` value.

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

Text 1.2
Plain textbox.
Width
settings

> 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 1.3
Plain textbox.
Width
settings

> 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 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.

Example of plain `textbox` environment (text ??) with defined width

`\thisfloatsetup{floatwidth=5cm}`

This width less than `\textwidth-2\captionwidth` value.

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.

Figure 1.2
Plain figure with
changed 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.
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 `figure` environment (figure ??) with predefined
width $= 5$ cm.**

```
\thisfloatsetup{floatwidth=5cm}
```

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.

Figure 1.3   Plain wide figure. 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

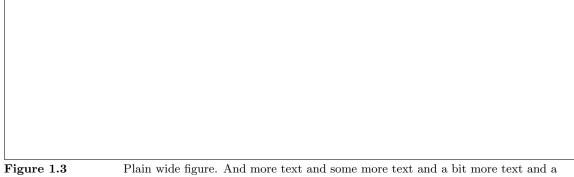And more text and some more text and a bit more text and a little more text and a little peace of text to fill space.

    Example of two-column or wide plain figure (see figure ??). 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.