Chapter 1

One Column Document and Wide Floats

This example shows floats in one-column document, wide float left hanged.

Common settings.

Font for float contents \small *sans serif (except tables), in this case font settings for subfloats was restored Roman family; skips before foot material half reduced; skip between caption and object also half reduced; footnote rule has maximum width 1 in (here is created special footnote style); box alignment and justification of object contents flushed to left margin; separation between beside caption and object equals to 1 em; separation between beside float boxes also equals to 1 em. Common float style* BOXED *(box around all float contents).*

```
\floatsetup{font={small,sf},footskip=.5\skip\footins,
   footnoterule=limited,captionskip=5pt,margins=raggedright,
   objectset=raggedright,capbesideposition=right,
   capbesidesep=quad,floatrowsep=quad,style=BOXED}
```

Common caption settings.

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

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

Common subcaption settings.

Justification centerlast (last line centered). Restored roman family.

```
\usepackage[justification=justified,font=rm]{subfig}
```

Special settings for float types.

Textbox.

The new float textbox uses corrected Boxed *style (changed frame settings); object contents left aligned (*\raggedright*), with* \parindent $= 15\,pt$, \parskip $= 15\,pt$. *To get aligned subfloats the key* heightadjust=all *loaded.*

```
\DeclareNewFloatType{textbox}{fileext=lor,name=Text,placement=tp}
```

```
\DeclareObjectSet{unindent}{\leftskip12pt\parindent-\leftskip\parskip2pt}
```

```
\floatsetup[textbox]{style=Boxed,heightadjust=all,
  frameset={\fboxrule=1pt\fboxsep=12pt},
  capposition=bottom,objectset=unindent,
  capbesideframe=yes,heightadjust=object,
  valign=t}
```

Special settings for special float layout.
Wide float.
For wide float set hanged indentation to the left margin.

```
\DeclareMarginSet{hangleft}%
  {\setfloatmargins
     {\hskip-.5\marginparwidth\hskip-\marginparsep}{\hfil}}
\floatsetup[widefloat]{margins=hangleft}
```

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*[1] *and loaded* `floatpagestyle` *package.*

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

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