

# Chapter 1

## Float Boxes with Foots: Variants of Layout

In this sample file are gathered plain float environments and float rows with usage of all predefined base float styles. You may try to run this document with **shadowbox** frame: uncomment line with `\usepackage{fr-fancy}` at the preamble and lines below.

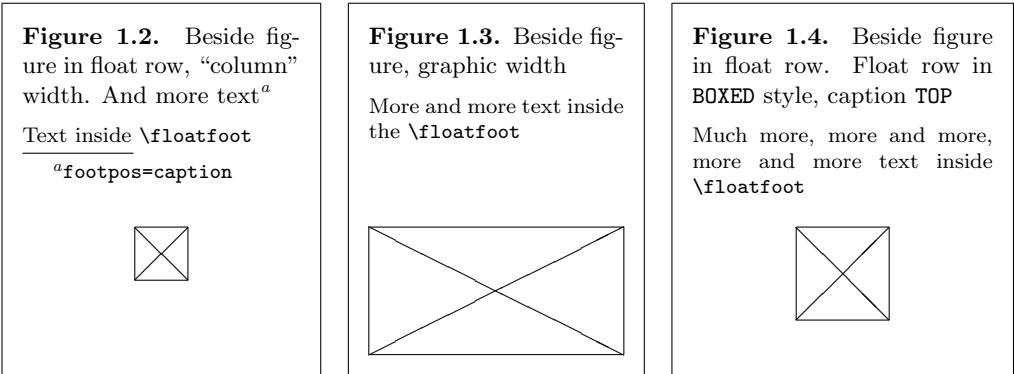
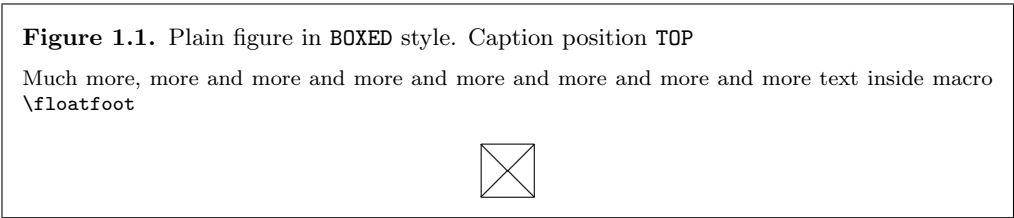
The default vertical alignment of float objects is centered. To change alignment to top edge you may say:

```
\floatsetup{valign=t}
```

like in current sample. Keys are analogous to option of vertical alignment in `minipage` and `\parbox`: **t**—for top alignment, **c**—for center alignment, **b**—for bottom alignment, and **s**—to stretch float object material to full height.

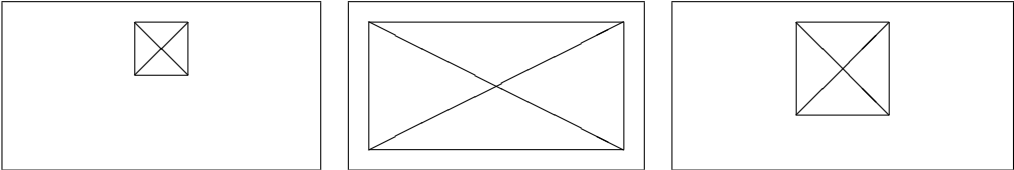
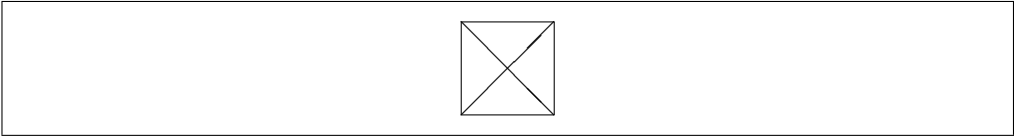
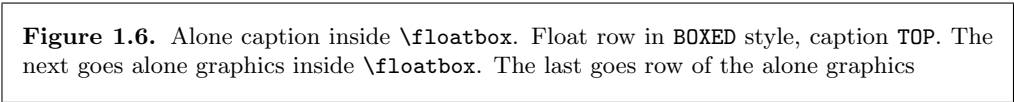
*Note.* All float styles with frames get `frameset={\fboxsep7.5pt}` to get more visible differences between fitted and non-fitted frames.

Var.I: \floatsetup{style=BOXED,capposition=TOP,footposition=caption}




**Figure 1.5.** Alone caption inside \captionof

Alone starred caption inside \captionof\*




Var. II: \floatsetup{style=BOXED,capposition=bottom,footposition=caption}



**Figure 1.7.** Plain figure in BOXED style. Caption position `bottom`

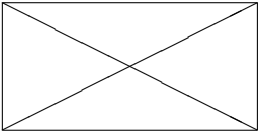
Much more, more and more and more and more and more and more and more text inside macro `\floatfoot`



**Figure 1.8.** Beside figure in float row, “column” width. And more text<sup>a</sup>


Text inside `\floatfoot`

<sup>a</sup>`footpos=caption`



**Figure 1.9.** Beside figure, graphic width

More and more text inside the `\floatfoot`




**Figure 1.10.** Beside figure in float row. Float row in BOXED style, caption `bottom`


Much more, more and more, more and more text inside `\floatfoot`

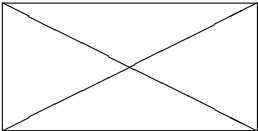
**Figure 1.11.** Alone caption inside `\captionof`


Alone starred caption inside `\captionof*`

**Figure 1.12.** Alone caption inside `\floatbox`. Float row in BOXED style, caption `bottom`. The next goes alone graphics inside `\floatbox`. The last goes row of the alone graphics









Var. III: \floatsetup{style=Ruled,capposition=TOP,footposition=caption}

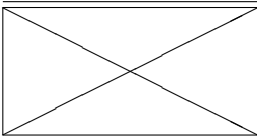
**Figure 1.13** Plain figure in Ruled style. Caption position TOP  
Much more, more and more and more and more and more and more and more text inside macro \floatfoot



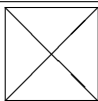
**Figure 1.14** Beside fig-  
ure in float row, “column”  
width. And more text<sup>a</sup>  
Text inside \floatfoot  
<sup>a</sup>footpos=caption



**Figure 1.15** Beside  
figure, graphic width  
More and more text inside  
the \floatfoot



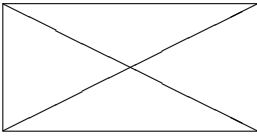
**Figure 1.16** Beside figure in  
float row. Float row in Ruled  
style, caption TOP  
Much more, more and more, more and  
more text inside \floatfoot



**Figure 1.17.** Alone caption inside \captionof

Alone starred caption inside \captionof\*

**Figure 1.18** Alone caption inside \floatbox. Float row in Ruled style, caption TOP.  
The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



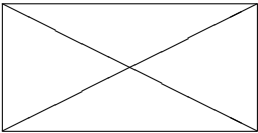
Var. IV: \floatsetup{style=Ruled,capposition=bottom,footposition=caption}



**Figure 1.19** Plain figure in Ruled style. Caption position bottom  
Much more, more and more and more and more and more and more text inside macro  
\floatfoot



**Figure 1.20** Beside fig-  
ure in float row, “column”  
width. And more text<sup>a</sup>  
Text inside \floatfoot  
<sup>a</sup>footpos=caption



**Figure 1.21** Beside  
figure, graphic width  
More and more text inside  
the \floatfoot



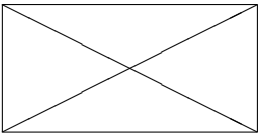
**Figure 1.22** Beside figure in  
float row. Float row in Ruled  
style, caption bottom  
Much more, more and more, more and  
more text inside \floatfoot

**Figure 1.23.** Alone caption inside \captionof

Alone starred caption inside \captionof\*



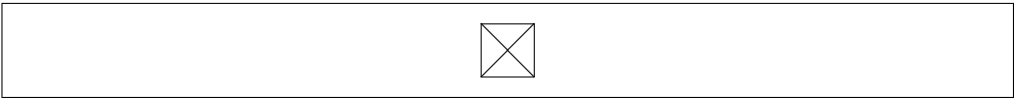
**Figure 1.24** Alone caption inside \floatbox. Float row in Ruled style, caption bottom.  
The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



Var. V: \floatsetup{style=Boxed,capposition=TOP,footposition=caption}

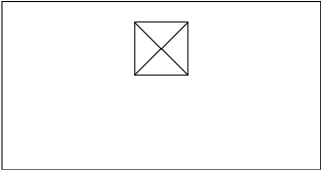
**Figure 1.25.** Plain figure in **Boxed** style. Caption position TOP

Much more, more and more and more and more and more and more and more text inside macro \floatfoot



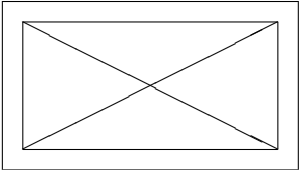
**Figure 1.26.** Beside figure in float row, “column” width. And more text<sup>a</sup>

Text inside \floatfoot  
<sup>a</sup>footpos=caption



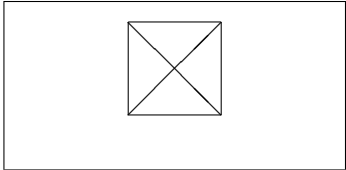
**Figure 1.27.** Beside figure, graphic width

More and more text inside the \floatfoot



**Figure 1.28.** Beside figure in float row. Float row in **Boxed** style, caption TOP

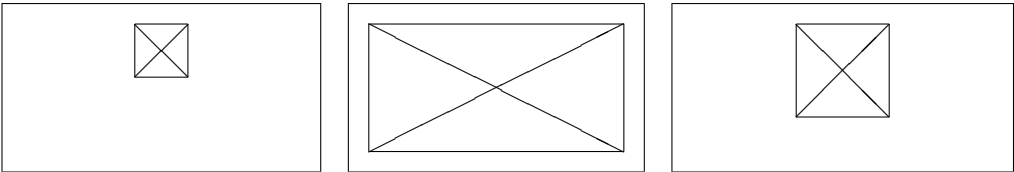
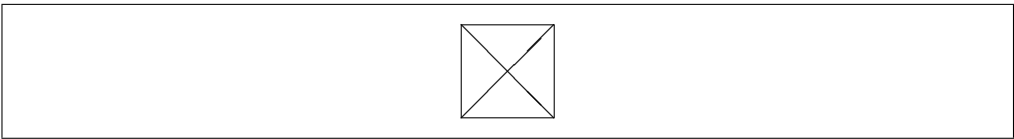
Much more, more and more, more and more text inside \floatfoot



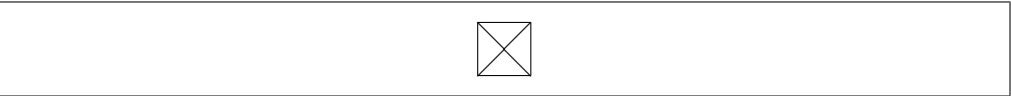
**Figure 1.29.** Alone caption inside \captionof

Alone starred caption inside \captionof\*

**Figure 1.30.** Alone caption inside \floatbox. Float row in **Boxed** style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



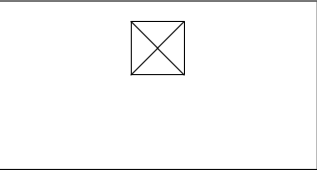
Var. VI: \floatsetup{style=Boxed,capposition=bottom,footposition=caption}



**Figure 1.31.** Plain figure in Boxed style. Caption position bottom

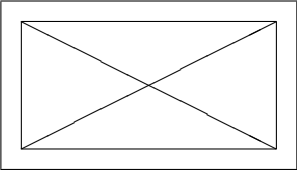
Much more, more and more and more and more and more and more and more text inside macro \floatfoot

|



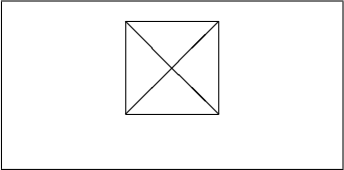
**Figure 1.32.** Beside figure in float row, “column” width. And more text<sup>a</sup>

Text inside \floatfoot  
<sup>a</sup>footpos=caption



**Figure 1.33.** Beside figure, graphic width

More and more text inside the \floatfoot



**Figure 1.34.** Beside figure in float row. Float row in Boxed style, caption bottom

Much more, more and more, more and more text inside \floatfoot

|

**Figure 1.35.** Alone caption inside \captionof

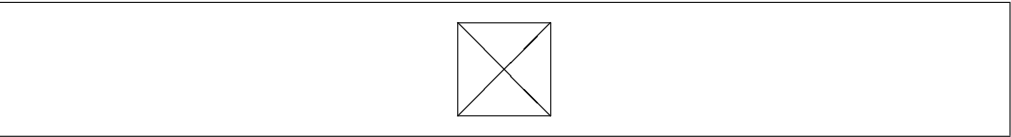
|

Alone starred caption inside \captionof\*

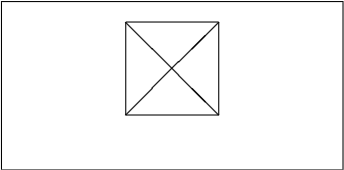
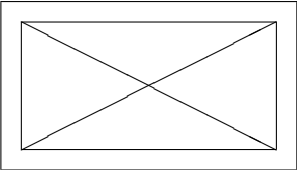
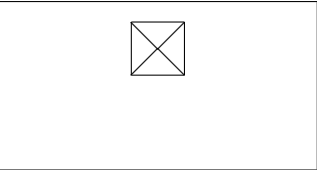
|

**Figure 1.36.** Alone caption inside \floatbox. Float row in Boxed style, caption bottom. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics

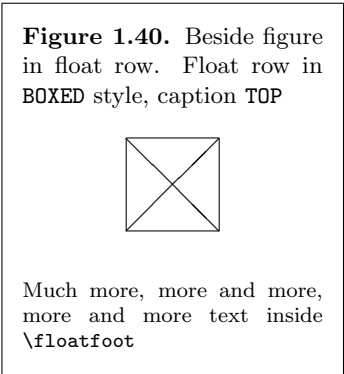
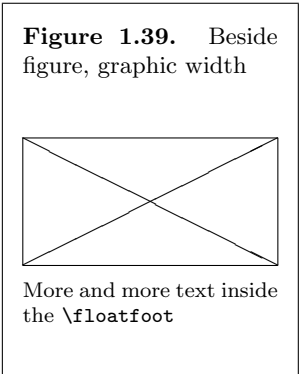
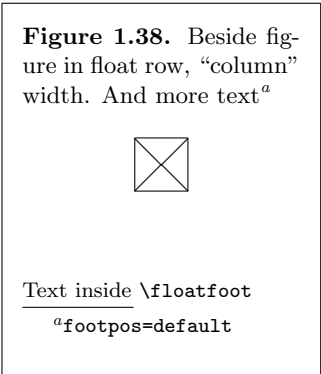
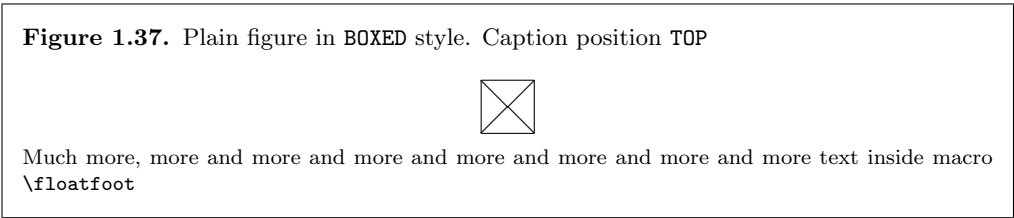
|



|



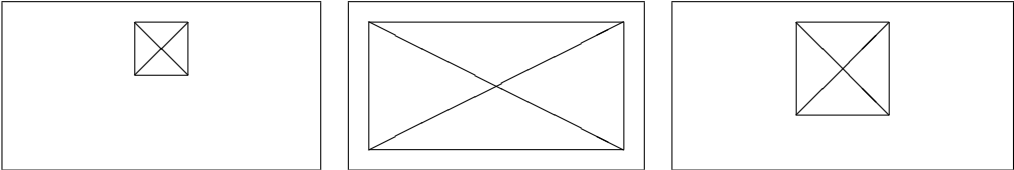
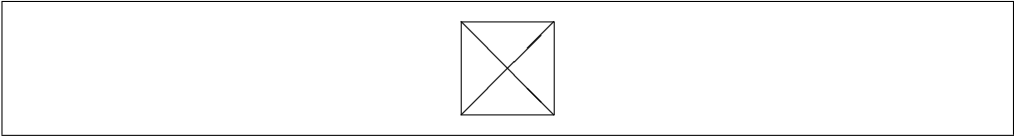
Var. VII: \floatsetup{style=BOXED,capposition=TOP,footposition=default}



**Figure 1.41.** Alone caption inside \captionof

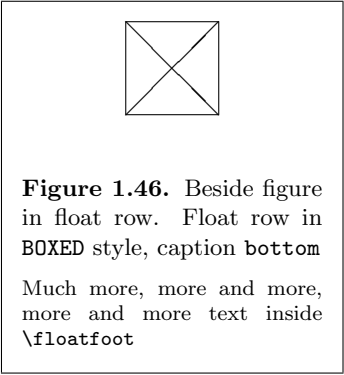
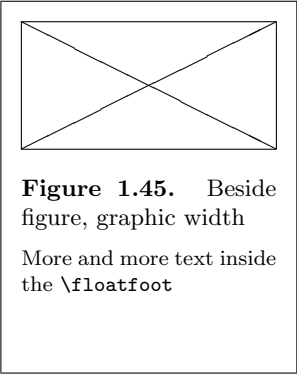
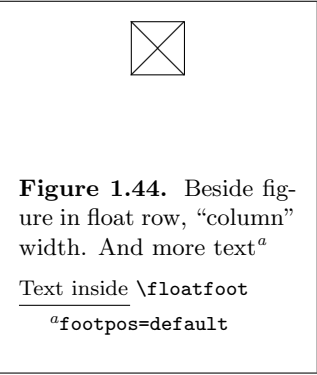
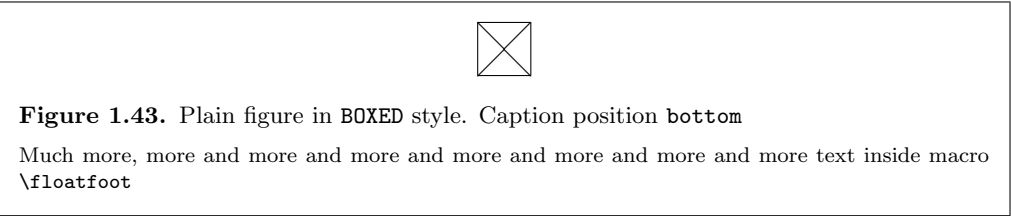
Alone starred caption inside \captionof\*

**Figure 1.42.** Alone caption inside \floatbox. Float row in BOXED style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



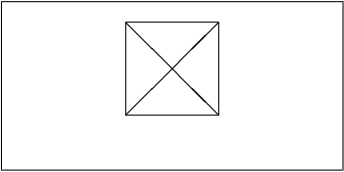
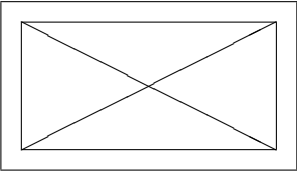
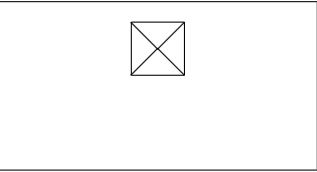
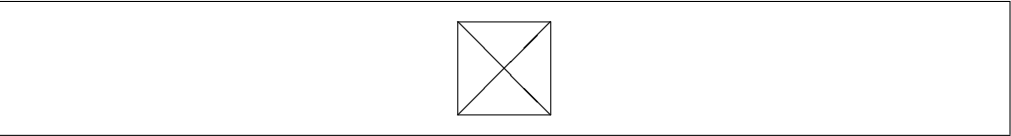
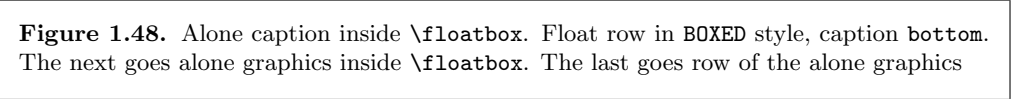


Var. VIII: \floatsetup{style=BOXED,capposition=bottom,footposition=default}

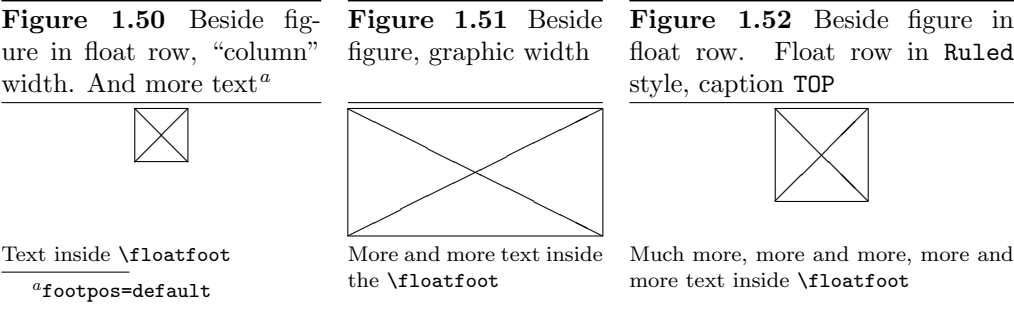
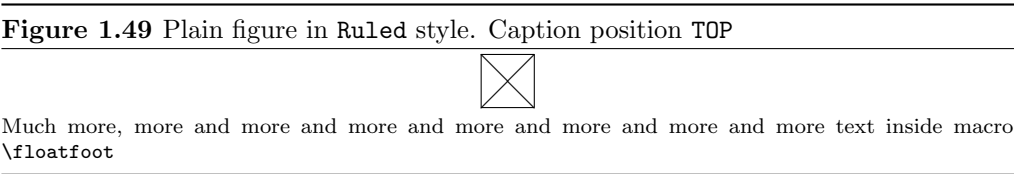


**Figure 1.47.** Alone caption inside `\captionof`

Alone starred caption inside `\captionof*`

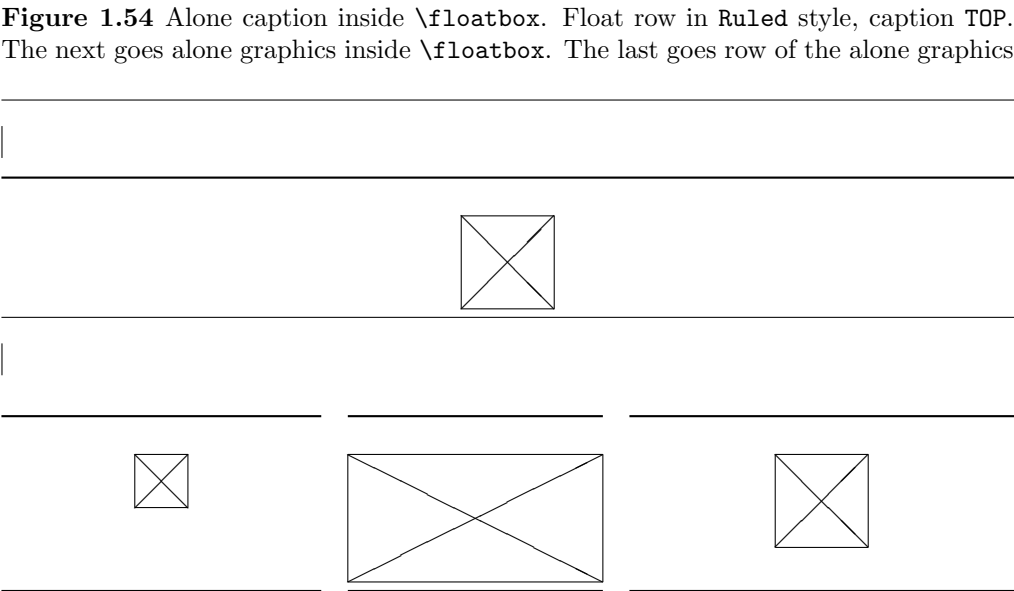


Var. IX: \floatsetup{style=Ruled,capposition=TOP,footposition=default}



**Figure 1.53.** Alone caption inside \captionof

Alone starred caption inside \captionof\*



Var. X: \floatsetup{style=Ruled,capposition=bottom,footposition=default}



---

**Figure 1.55** Plain figure in Ruled style. Caption position bottom  
Much more, more and more and more and more and more and more text inside macro  
\floatfoot

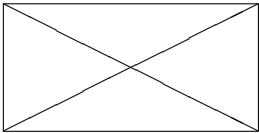
---



---

**Figure 1.56** Beside fig-  
ure in float row, “column”  
width. And more text<sup>a</sup>  
Text inside \floatfoot  
<sup>a</sup>footpos=default

---



---

**Figure 1.57** Beside  
figure, graphic width  
More and more text inside  
the \floatfoot

---



---

**Figure 1.58** Beside figure in  
float row. Float row in Ruled  
style, caption bottom  
Much more, more and more, more and  
more text inside \floatfoot

---

---

**Figure 1.59.** Alone caption inside \captionof

---

---

Alone starred caption inside \captionof\*

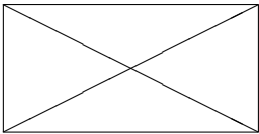
---



---

**Figure 1.60** Alone caption inside \floatbox. Float row in Ruled style, caption bottom.  
The next goes alone graphics inside \floatbox. The last goes row of the alone graphics

---



Var. XI: \floatsetup{style=Boxed,capposition=TOP,footposition=default}

Figure 1.61. Plain figure in Boxed style. Caption position TOP

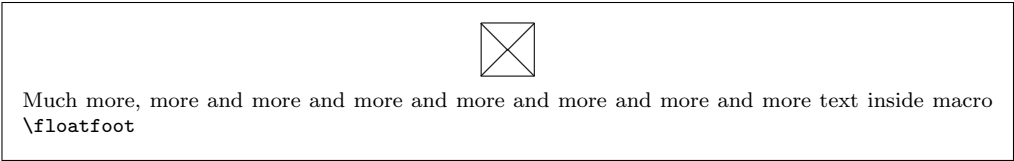


Figure 1.62. Beside figure in float row, “column” width. And more text<sup>a</sup>

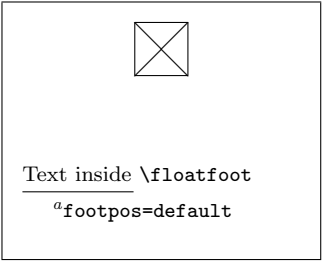


Figure 1.63. Beside figure, graphic width

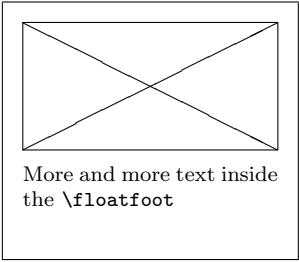


Figure 1.64. Beside figure in float row. Float row in Boxed style, caption TOP

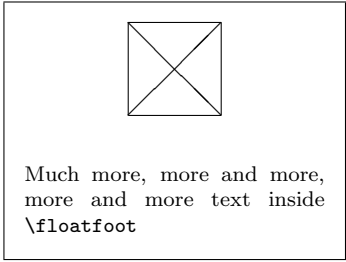
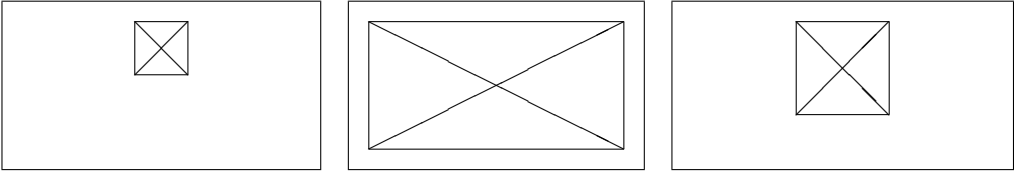
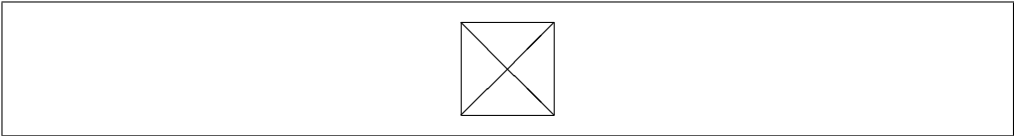


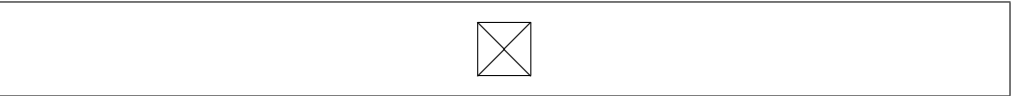
Figure 1.65. Alone caption inside \captionof

Alone starred caption inside \captionof\*

Figure 1.66. Alone caption inside \floatbox. Float row in Boxed style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



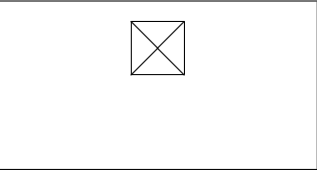
Var. XII: \floatsetup{style=Boxed,capposition=bottom,footposition=default}



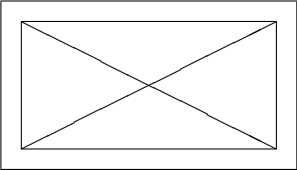
**Figure 1.67.** Plain figure in Boxed style. Caption position **bottom**

Much more, more and more and more and more and more and more text inside macro \floatfoot

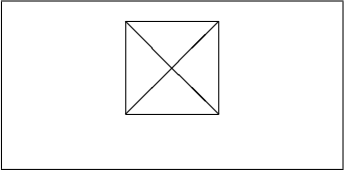
|



**Figure 1.68.** Beside figure in float row, “column” width. And more text<sup>a</sup>  
Text inside \floatfoot  
<sup>a</sup>footpos=default



**Figure 1.69.** Beside figure, graphic width  
More and more text inside the \floatfoot



**Figure 1.70.** Beside figure in float row. Float row in Boxed style, caption **bottom**  
Much more, more and more, more and more text inside \floatfoot

|

**Figure 1.71.** Alone caption inside \captionof

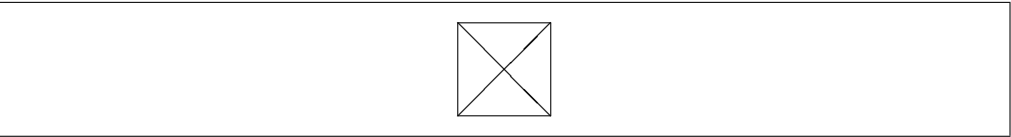
|

Alone starred caption inside \captionof\*

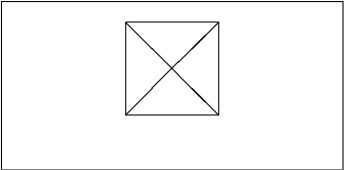
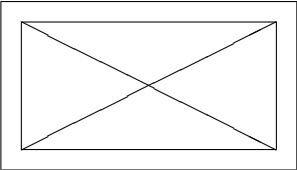
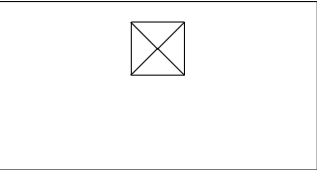
|

**Figure 1.72.** Alone caption inside \floatbox. Float row in Boxed style, caption **bottom**. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics

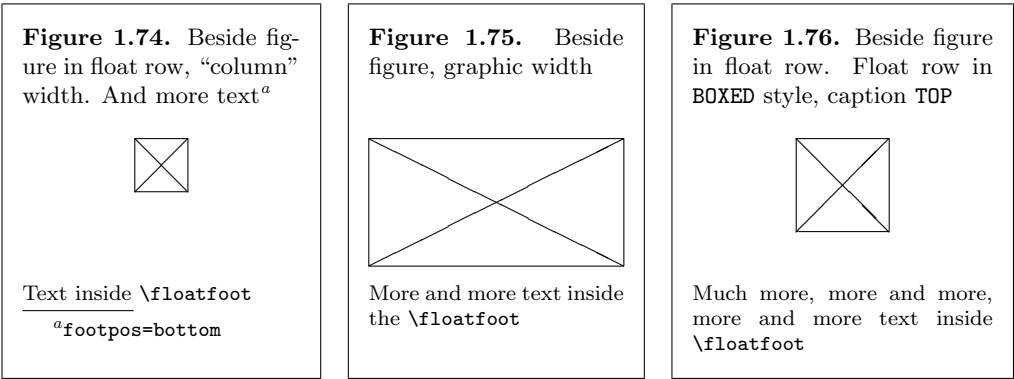
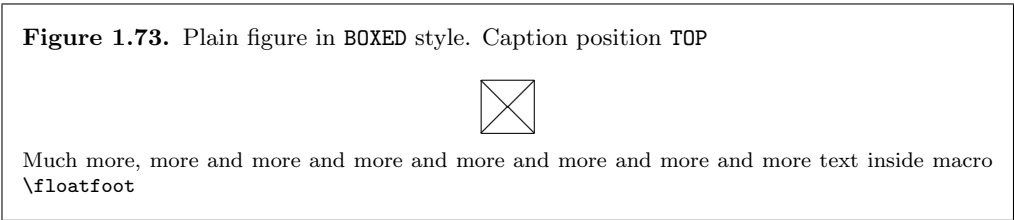
|



|

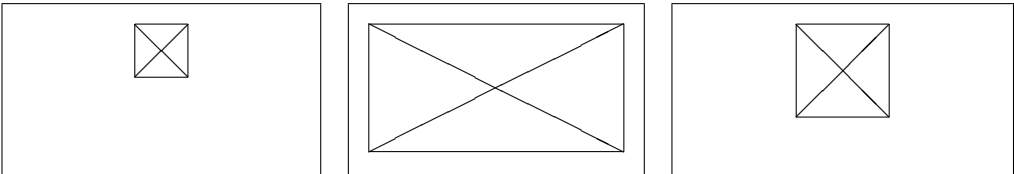
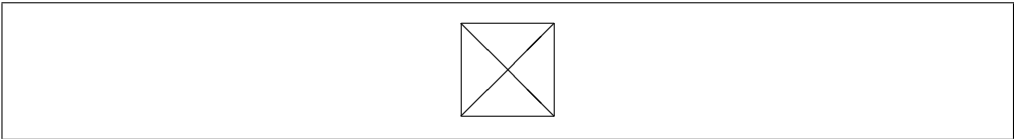
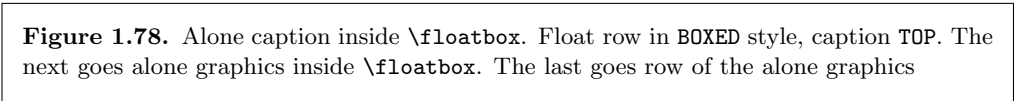


Var. XIII: \floatsetup{style=BOXED,capposition=TOP,footposition=bottom}



**Figure 1.77.** Alone caption inside \captionof

Alone starred caption inside \captionof\*



Var. XIV: \floatsetup{style=Ruled,capposition=TOP,footposition=bottom}

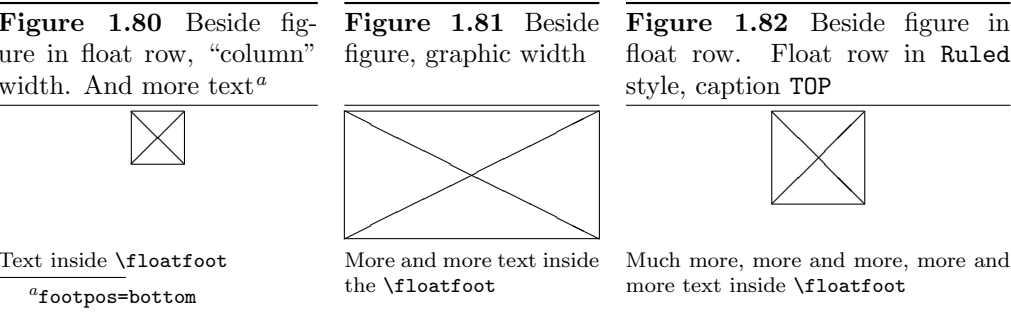
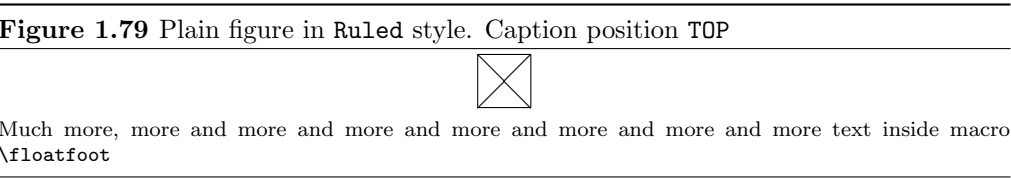
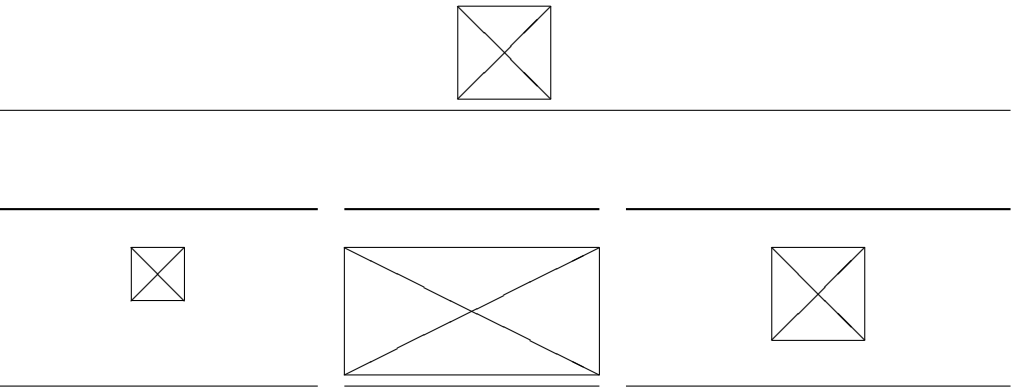


Figure 1.83. Alone caption inside \captionof

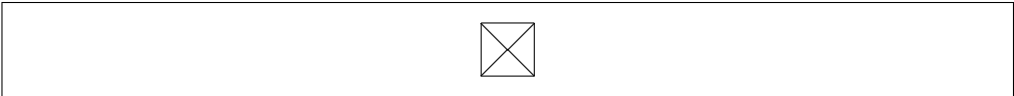
Alone starred caption inside \captionof\*

Figure 1.84 Alone caption inside \floatbox. Float row in Ruled style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



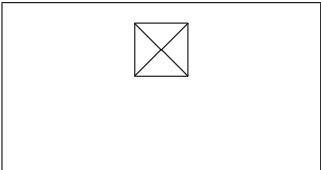
Var. XV: \floatsetup{style=Boxed,capposition=TOP,footposition=bottom}

**Figure 1.85.** Plain figure in Boxed style. Caption position TOP



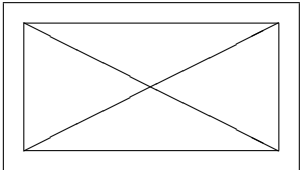
Much more, more and more and more and more and more and more and more text inside macro \floatfoot

**Figure 1.86.** Beside figure in float row, “column” width. And more text<sup>a</sup>



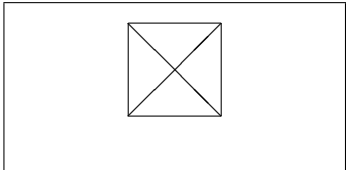
Text inside \floatfoot  
<sup>a</sup>footpos=bottom

**Figure 1.87.** Beside figure, graphic width



More and more text inside the \floatfoot

**Figure 1.88.** Beside figure in float row. Float row in Boxed style, caption TOP

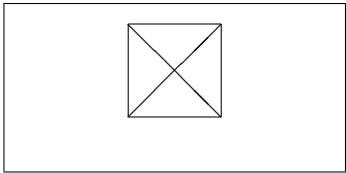
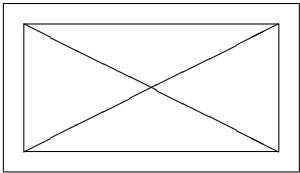
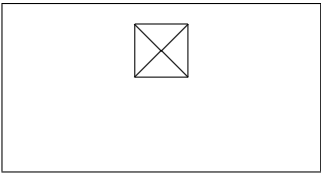
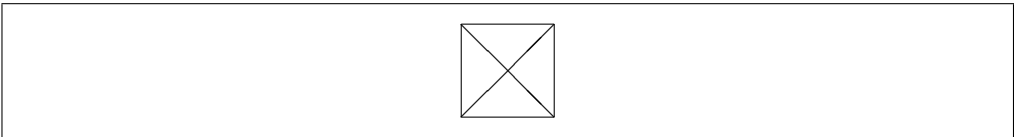


Much more, more and more, more and more text inside \floatfoot

**Figure 1.89.** Alone caption inside \captionof

Alone starred caption inside \captionof\*

**Figure 1.90.** Alone caption inside \floatbox. Float row in Boxed style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



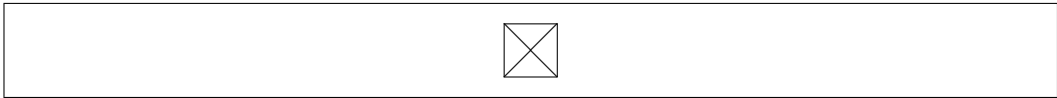


The next variants (XVI–XXI) show layout of framed styles with key `framefit=no`; boxed style (native style of `float` package), and BOXED with added key `framefit=no`.

Var. XVI: \floatsetup{style=boxed,capposition=TOP,footposition=caption}

**Figure 1.91.** Plain figure in boxed style. Caption position TOP

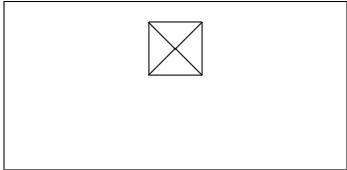
Much more, more and more and more and more and more and more and more text inside macro \floatfoot



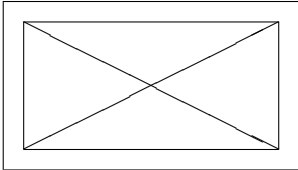
|

**Figure 1.92.** Beside figure in float row, “column” width. And more text<sup>a</sup>

Text inside \floatfoot  
<sup>a</sup>footpos=caption

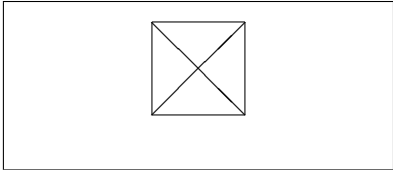


**Figure 1.93.** Beside figure, graphic width  
More and more text inside the \floatfoot



**Figure 1.94.** Beside figure in float row. Float row in boxed style, caption TOP

Much more, more and more, more and more text inside \floatfoot



|

**Figure 1.95.** Alone caption inside \captionof

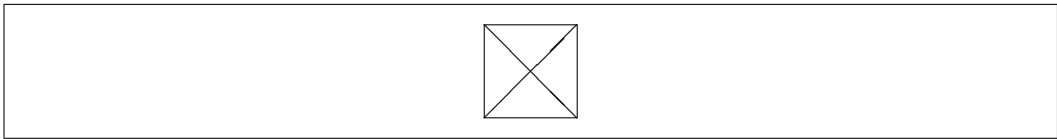
|

Alone starred caption inside \captionof\*

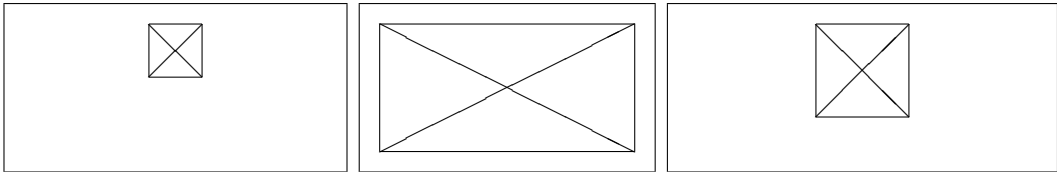
|

**Figure 1.96.** Alone caption inside \floatbox. Float row in boxed style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics

|



|



Var. XVII: \floatsetup{style=BOXED,capposition=TOP,footposition=caption}

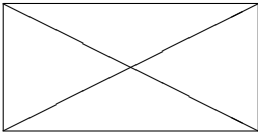
**Figure 1.97.** Plain figure in BOXED style. Caption position TOP  
Much more, more and more and more and more and more and more and more text inside macro \floatfoot



**Figure 1.98.** Beside figure in float row, “column” width. And more text<sup>a</sup>  
Text inside \floatfoot  
“footpos=caption



**Figure 1.99.** Beside figure, graphic width  
More and more text inside the \floatfoot



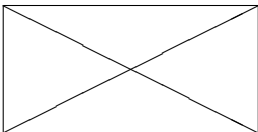
**Figure 1.100.** Beside figure in float row. Float row in BOXED style, caption TOP  
Much more, more and more, more and more text inside \floatfoot



**Figure 1.101.** Alone caption inside \captionof

Alone starred caption inside \captionof\*

**Figure 1.102.** Alone caption inside \floatbox. Float row in BOXED style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



Var. XVIII: \floatsetup{style=boxed,capposition=TOP,footposition=default}

Figure 1.103. Plain figure in boxed style. Caption position TOP

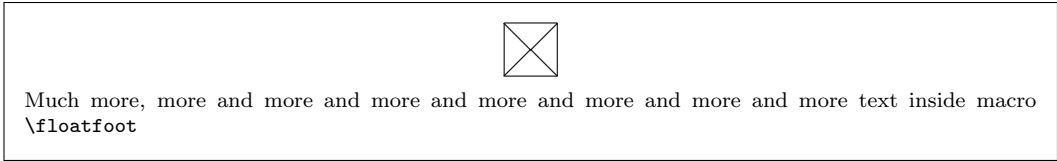


Figure 1.104. Beside figure in float row, “column” width. And more text<sup>a</sup>



Figure 1.105. Beside figure, graphic width

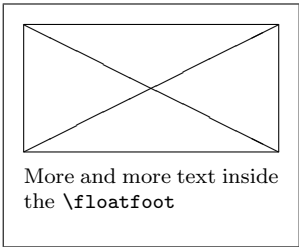


Figure 1.106. Beside figure in float row. Float row in boxed style, caption TOP

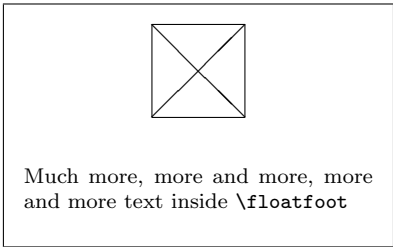
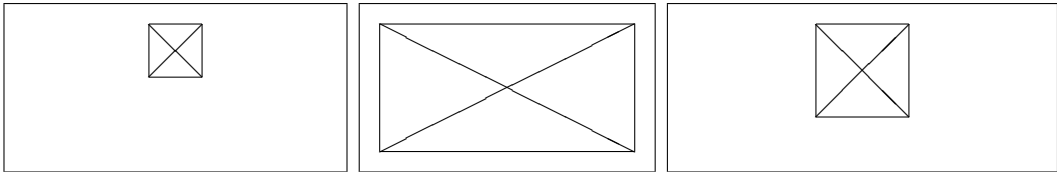
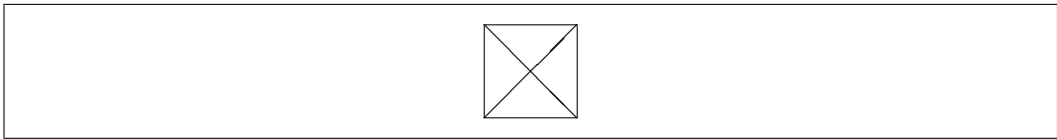


Figure 1.107. Alone caption inside \captionof

Alone starred caption inside \captionof\*

Figure 1.108. Alone caption inside \floatbox. Float row in boxed style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



Var. XIX: \floatsetup{style=BOXED,capposition=TOP,footposition=default}

**Figure 1.109.** Plain figure in BOXED style. Caption position TOP



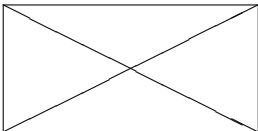
Much more, more and more and more and more and more and more and more text inside macro \floatfoot

**Figure 1.110.** Beside figure in float row, “column” width. And more text<sup>a</sup>



Text inside \floatfoot  
<sup>a</sup>footpos=default

**Figure 1.111.** Beside figure, graphic width



More and more text inside the \floatfoot

**Figure 1.112.** Beside figure in float row. Float row in BOXED style, caption TOP

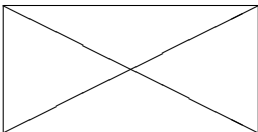


Much more, more and more, more and more text inside \floatfoot

**Figure 1.113.** Alone caption inside \captionof

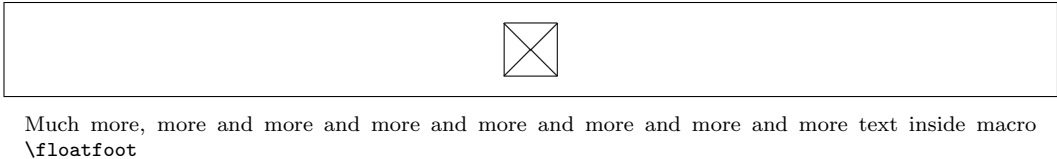
Alone starred caption inside \captionof\*

**Figure 1.114.** Alone caption inside \floatbox. Float row in BOXED style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



Var. XX: \floatsetup{style=boxed,capposition=TOP,footposition=bottom}

Figure 1.115. Plain figure in boxed style. Caption position TOP



|

Figure 1.116. Beside figure in float row, “column” width. And more text<sup>a</sup>



Figure 1.117. Beside figure, graphic width

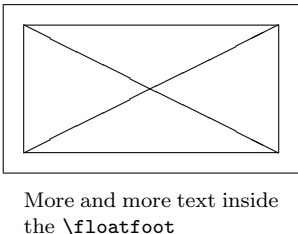
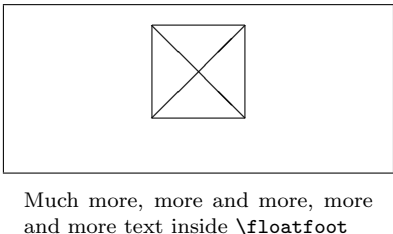


Figure 1.118. Beside figure in float row. Float row in boxed style, caption TOP



|

Figure 1.119. Alone caption inside \captionof

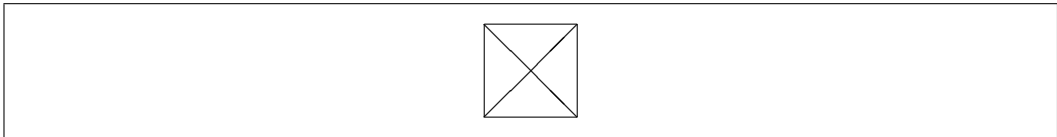
|

Alone starred caption inside \captionof\*

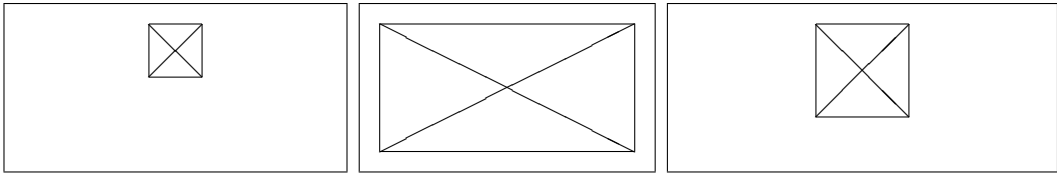
|

Figure 1.120. Alone caption inside \floatbox. Float row in boxed style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics

|



|



Var. XXI: \floatsetup{style=BOXED,capposition=TOP,footposition=bottom}

**Figure 1.121.** Plain figure in BOXED style. Caption position TOP



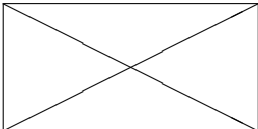
Much more, more and more and more and more and more and more and more text inside macro \floatfoot

**Figure 1.122.** Beside fig-  
ure in float row, “column”  
width. And more text<sup>a</sup>



Text inside \floatfoot  
<sup>a</sup>footpos=bottom

**Figure 1.123.** Beside  
figure, graphic width



More and more text inside  
the \floatfoot

**Figure 1.124.** Beside figure in  
float row. Float row in BOXED  
style, caption TOP

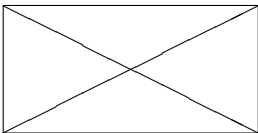


Much more, more and more, more  
and more text inside \floatfoot

**Figure 1.125.** Alone caption inside \captionof

Alone starred caption inside \captionof\*

**Figure 1.126.** Alone caption inside \floatbox. Float row in BOXED style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



Var. XXII: \floatsetup{style=plain,capposition=TOP,footposition=caption}

**Figure 1.127.** Plain figure in plain style. Caption position TOP

Much more, more and more and more and more and more and more and more text inside macro \floatfoot



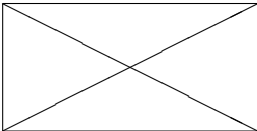
**Figure 1.128.** Beside figure in float row, “column” width. And more text<sup>a</sup>

Text inside \floatfoot  
<sup>a</sup>footpos=caption



**Figure 1.129.** Beside figure, graphic width

More and more text inside the \floatfoot



**Figure 1.130.** Beside figure in float row. Float row in plain style, caption TOP

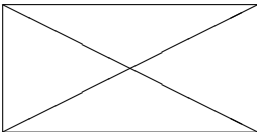
Much more, more and more, more and more text inside \floatfoot



**Figure 1.131.** Alone caption inside \captionof

Alone starred caption inside \captionof\*

**Figure 1.132.** Alone caption inside \floatbox. Float row in plain style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics





Var. XXIII: \floatsetup{style=plain,capposition=bottom,footposition=caption}



**Figure 1.133.** Plain figure in plain style. Caption position bottom

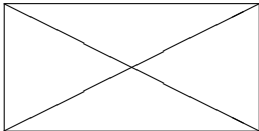
Much more, more and more and more and more and more and more and more text inside macro \floatfoot

|



**Figure 1.134.** Beside figure in float row, “column” width. And more text<sup>a</sup>

Text inside \floatfoot  
<sup>a</sup>footpos=caption



**Figure 1.135.** Beside figure, graphic width  
More and more text inside the \floatfoot



**Figure 1.136.** Beside figure in float row. Float row in plain style, caption bottom  
Much more, more and more, more and more text inside \floatfoot

**Figure 1.137.** Alone caption inside \captionof

|

Alone starred caption inside \captionof\*

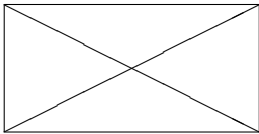
|

**Figure 1.138.** Alone caption inside \floatbox. Float row in plain style, caption bottom. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics

|



|



Var. XXIV: \floatsetup{style=plain,capposition=TOP,footposition=default}

**Figure 1.139.** Plain figure in plain style. Caption position TOP



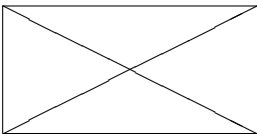
Much more, more and more and more and more and more and more and more text inside macro \floatfoot

**Figure 1.140.** Beside figure in float row, “column” width. And more text<sup>a</sup>



Text inside \floatfoot  
<sup>a</sup>footpos=default

**Figure 1.141.** Beside figure, graphic width



More and more text inside the \floatfoot

**Figure 1.142.** Beside figure in float row. Float row in plain style, caption TOP

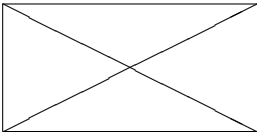


Much more, more and more, more and more text inside \floatfoot

**Figure 1.143.** Alone caption inside \captionof

Alone starred caption inside \captionof\*

**Figure 1.144.** Alone caption inside \floatbox. Float row in plain style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics



Var.XXV: `\floatsetup{style=plain,capposition=bottom,footposition=default}`



**Figure 1.145.** Plain figure in `plain` style. Caption position `bottom`

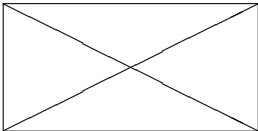
Much more, more and more and more and more and more and more and more text inside macro `\floatfoot`

|



**Figure 1.146.** Beside figure in float row, “column” width. And more text<sup>a</sup>

Text inside `\floatfoot`  
<sup>a</sup>`footpos=default`



**Figure 1.147.** Beside figure, graphic width  
More and more text inside the `\floatfoot`

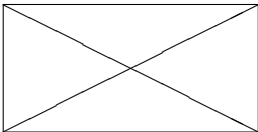


**Figure 1.148.** Beside figure in float row. Float row in `plain` style, caption `bottom`  
Much more, more and more, more and more text inside `\floatfoot`

**Figure 1.149.** Alone caption inside `\captionof`

Alone starred caption inside `\captionof*`

**Figure 1.150.** Alone caption inside `\floatbox`. Float row in `plain` style, caption `bottom`. The next goes alone graphics inside `\floatbox`. The last goes row of the alone graphics



Var. XXVI: \floatsetup{style=plain,capposition=TOP,footposition=bottom}

Figure 1.151. Plain figure in plain style. Caption position TOP



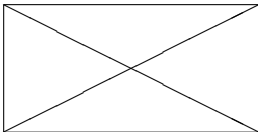
Much more, more and more and more and more and more and more and more text inside macro \floatfoot

Figure 1.152. Beside figure in float row, “column” width. And more text<sup>a</sup>



Text inside \floatfoot  
<sup>a</sup>footpos=bottom

Figure 1.153. Beside figure, graphic width



More and more text inside the \floatfoot

Figure 1.154. Beside figure in float row. Float row in plain style, caption TOP



Much more, more and more, more and more text inside \floatfoot

Figure 1.155. Alone caption inside \captionof

Alone starred caption inside \captionof\*

Figure 1.156. Alone caption inside \floatbox. Float row in plain style, caption TOP. The next goes alone graphics inside \floatbox. The last goes row of the alone graphics

