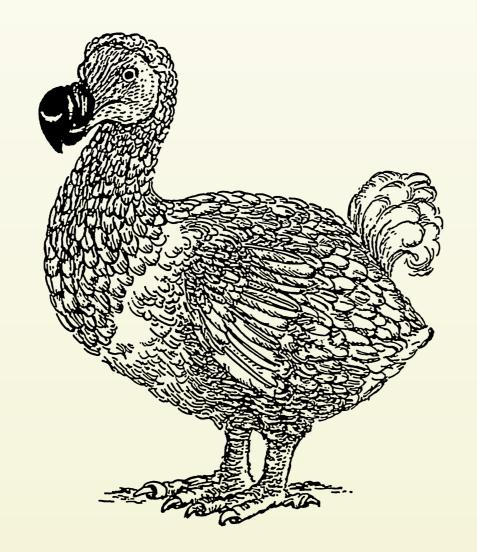
Nice place you have here

Behavior of floats in LMTX



name: testbild state: unknown

new columns

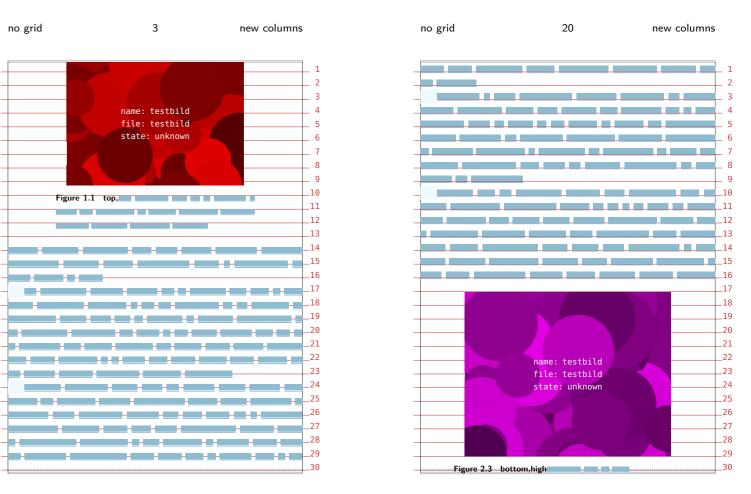
no grid

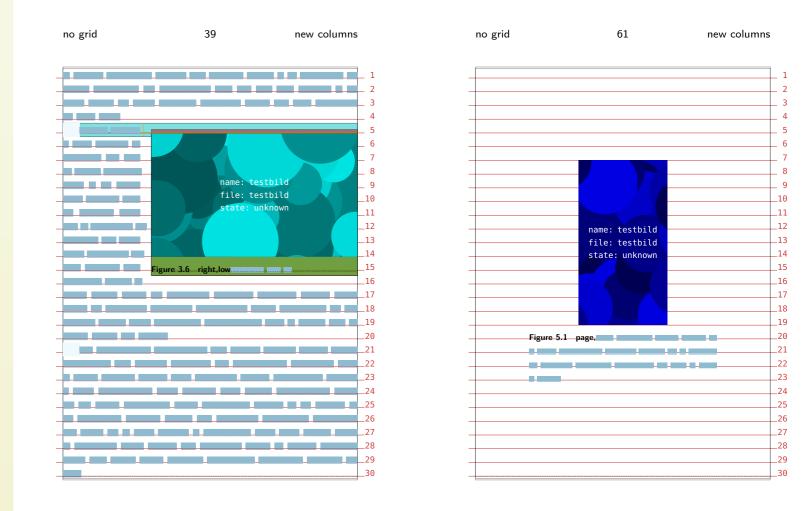
Henning Hraban Ramm @ context meeting 2021

Regular old floats

Without grids or columns, floats are usable.

location	works?
top	reliable
bottom	unreliable
left/right	reliable
margin/edge	reliable
page	reliable (also with high/low)



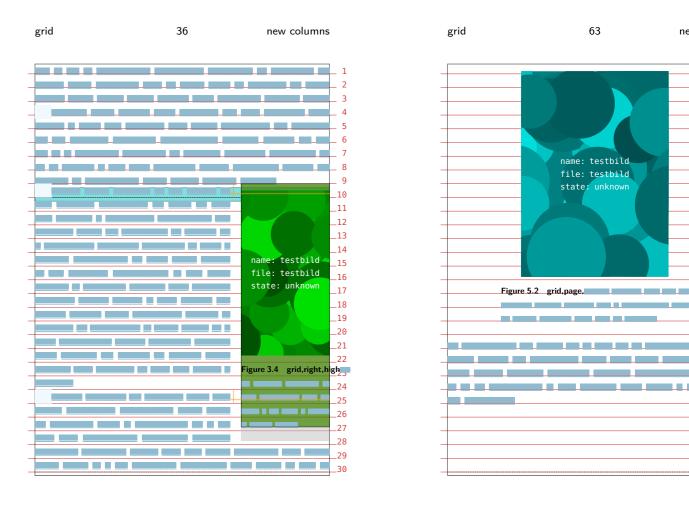


Floats in grid mode

Most locations are working like without grid.



- page placement doesn't work, sometimes top not on top.
- I didn't check the grid alignment. (Usually the captions are on grid, but not the images.)



Floats in columns

New columns

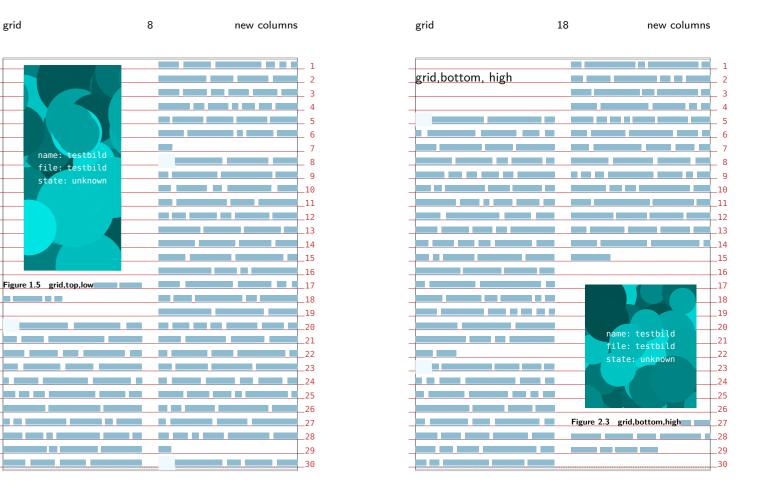
New columns are always in grid mode.



Locations don't work (top sometimes does) – it's always like here. Page breaking is strange.

Old columns

Old columns are gone.



grid,right	
grid,right,	

griu	36 Hew Columns
grid,right, fit	

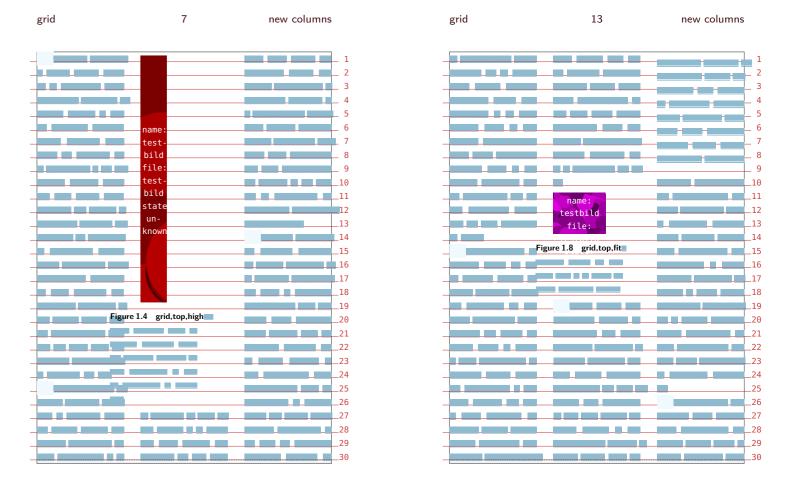
Floats in columnsets

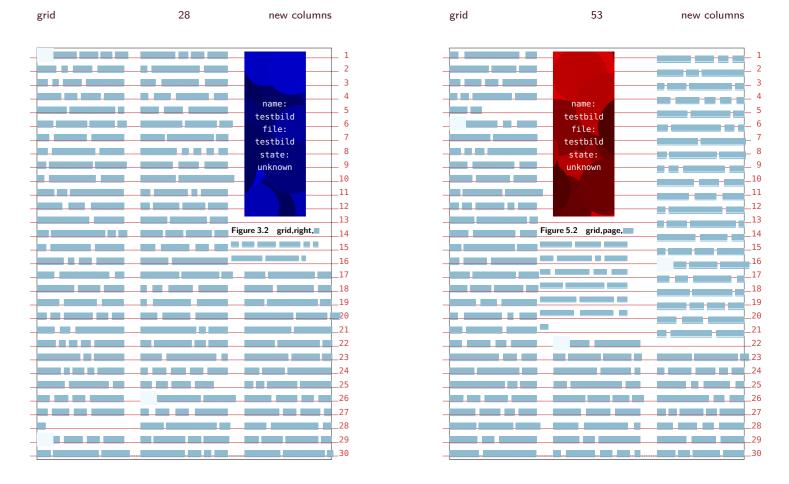
New columnsets

- Grid mode is enforced.
- In new columnsets, float locations don't work, like in single-column grid mode.
- Floats appear left aligned in the column, but the caption is centered, but as wide as the column, i.e. there are collisions.

Old columnsets

Old columnsets are also gone





Marginal floats

Images in margins.
Images wider than margin (text flow?)
Images with full text width plus margin
Use \starthanging?

Floats with bleed

Not shown: Image size is calculated, image is clipped to fit.

Reware: Imposition (arranging) cuts the bleed!

Full page images

```
\definemakeup[fullpage][
 page=no,
 doublesided=no,
 headerstate=empty,
 footerstate=empty,
 pagestate=start,
\startpostponing[pagenumber]
 \startfullpagemakeup
   \setlayer[myLayer][x=-\Bleed,y=-\Bleed]{%
              \clip[
                     hoffset=0mm, voffset=0mm,
                     width=\maxWidth, % page width + bleed
                     height=\maxHeight, % page height + 2*bleed
             ]{%
   \externalfigure[myImage][height=\maxHeight]% or width=\maxWidth
             }%
  \stopfullpagemakeup
\stoppostponing
```

Double page images

divide et impera...

Similar to single page images, but picture is clipped in two halves and placed separately in two single fullpage makeups, but in one postponing.

Captions within images

- \setupcaption has mighty options for captions of floats.
- Captions in full page images use \setlayer.
- e.g. shadow style: white text on shadow (use underline shadow instead of box)
- e.g. cutout style: white box (lines?) at image rim

Goals

- Pictures sit on grid lines and end at x-height.
- Pictures that are bigger than the text area but not full page size also must sit on the grid and might extend into the bleed.
- How to fit to grid/layout?
 - width is usually the leading measure
 - define fixed width or set of possible widths (layout grid)
 - define target resolution (default e.g. 150 dpi, min. 200 dpi for printing)
 - define a stretching tolerance
 - define a clipping side
 - calculate max size according to target resolution
 - warn if image resolution is too low (debug mode: typeset size/res information on image)
 - calculate max lines according to width
 - downsample big images according to target resolution
- Captions within pictures, in margin or in neighbour column...
- If captions use the same line height as the body text, they adhere to the grid. If they use a different line height, only the distance to the picture needs to be constant.

old colum mame: uppercorner file: uppercorne state: unknown