The HEP-FLOAT package* Convenience package for float placement

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Abstract

The ${\tt HEP-FLOAT}$ package redefines some ${\tt LATEX}$ float placement defaults and defines convenience wrappers for floats.

The HEP-FLOAT package can be loaded with \usepackage{hep-float}.

figure (env.) table (env.)	(h) Automatic float placement is adjusted to place a single float at the top of pages and (h) the number of float pages, using the LATEX macros.				
	<pre>\setcounter{bottomnumber}{0} \setcounter{topnumber}{1} \setcounter{dbltopnumber}{1} \renewcommand{\textfraction}{.1} \renewcommand{\topfraction}{.9} \renewcommand{\dbltopfraction}{.8}</pre>	no floats at the bottom of a page (default 1) a single float at the top of a page (default 2) same for full widths floats in two-column mode large floats are allowed (default 0.2) (default 0.7) float pages must be full (default 0.5)			
manualplacement	- *	ived by placing the float <i>in front</i> of the paragraph I float placement can be deactivated using the			
$\ \$	The float environments have been adjusted to reactivated using \raggedright .	center their content. The usual behaviour can be			
panels (env.) \panel	takes as mandatory argument either the number of sub-floats (default 2) or the width of the first sub-float as fraction of the \linewidth. Within the \begin{panels}[$\langle vertical \ alignment \rangle$]{ $\langle width \rangle$ } environment the \panel macro initiates a new sub-float. In the case that the width of the first sub-float has been given as an optional argument to the panels environment the \panel{ $\langle width \rangle$ } macro takes the width of the next sub-float as mandatory argument. The example code is presented				
\panelvspace	in terms of a length \panelv				
tabular $(env.)$	The BOOKTABS [2] and MULTIROW [3] packages such as in table 1b.	are loaded enabling publication quality tabulars			
\graphic \graphics	is a wrapper for the $\includegraphics{\langle figure \rangle}$	raphic[$\langle width \rangle$]{ $\langle figure \rangle$ } macro is defined, which } macro and takes the figure width as fraction of 1). If the graphics are located in a sub-folder its \rangle }.			

^{*}This document corresponds to HEP-FLOAT v1.2.

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\begin{panels}{2}					
code			one		NO
\panel					
<pre>\begin{tabular}\end{tabular} \end{panels}</pre>		a	D L	с	d d
			D	c	<u>a</u>
(a) Code for this panel environment.	(b) The boo	ktab	s an	id m	ultiro

(b) The booktabs and multirow features.

Table 1: Example use of the panels environment in Panel (a) and the features from the BOOKTABS and MULTIROW packages in Panel (b).

References

- [1] A. Sommerfeldt. 'The subcaption package: Support for sub-captions' (2007). CTAN: subcaption. GitLab: axelsommerfeldt/caption.
- D. Els and S. Fear. 'The booktabs package: Publication quality tables in LATEX' (1995). [2]CTAN: booktabs.
- [3] P. van Oostrum and J. Leichter. 'The multirow, bigstrut and bigdelim packages: Create tabular cells spanning multiple rows' (1994). CTAN: multirow.
- [4] D. Carlisle and S. Rahtz. 'Packages in the "graphics" bundle: Enhanced support for graphics' (1994). CTAN: graphicx.