

The fullwidth package

Environment with adjustable margins for onside and twoside documents

Marco Daniel¹

v0.1

November 26, 2011

This package provides the environment `fullwidth` which allows to set the left and right margins in a very simple way. It also allows page breaks. If you are using the `twoside` mode you can set the inner and outer margins.

By defining new environments the user may choose between several individual designs.

Contents

1	Motivation	1	4	Known Problems	3
2	Syntax	1	5	Acknowledgements	3
3	Options	1			

1 Motivation

The package is inspired by many questions on [tex stackexchange](#). For example in the question [How to switch between two margin sizes?](#) I solved the problem by using the package `mdframed`. However, since the package wasn't designed for such a environment, I decided to create a new package based on the algorithm of `mdframed`.

2 Syntax

The package itself loads the packages `kvoptions` and `etoolbox`.

Load the package as usual:

```
\usepackage[<GLOBAL OPTIONS>]{fullwidth}
```

The package defines only one environment with the following syntax:

```
\begin{fullwidth}[<LOCAL OPTIONS>]  
  <CONTENT>  
\end{fullwidth}
```

Autodetecting floats

I added a detection of `float` and `minipage` environments. If `fullwidth` would be used within such an environment, `fullwidth` it would automatically use the option `nobreak`.

3 Options

The package provides various options for manipulating frames. All options are listed in the following section. Some internal macros are not shown in this documentation, though they can be manipulated.

¹Sorry for bad English.

\fullwidthsetup

The listed option can also be set via `\fullwidthsetup`.

3.1 Options with lengths

All lengths will be evaluated by the ϵ -TeX-command `\dimexpr`.

I know that the predefined lengths are not well prepared. Maybe I will change it later.

width default=0pt

Sets the width of the whole `fullwidth` environment.

skipabove default=\topskip

Sets an additional skip above the frame.

skipbelow default=\topskip

Sets an additional skip below the frame.

leftmargin default=0pt

Sets the length of the left margin of the environment.

rightmargin default=0pt

Sets the length of the right margin of the environment.

innertopmargin default=.4\baselineskip

Sets the length of the inner top margin of the environment.

innerbottommargin default=.4\baselineskip

Sets the length of the inner bottom margin of the environment.

outermargin default=0pt

Sets the length of the outer margin. This option is only available in `twoside` mode.

innermargin default=0pt

Sets the length of the inner margin. This option is only available in `twoside` mode.

splittopskip default=\topsep

Sets the length of the skip above the split part of the environment.

splitbottomskip default=0pt

Sets the length of the skip below the split part of the environment.

3.2 General options

twosidemode default=true

The package detects whether `\twoside` mode is active and uses `innermargin` and `outermargin` by default. If you don't know this you can use this option.

needspace

default=0pt

Sometimes it is useful to set a minimum height before the environment should be splitted. For such cases you can use `needspace`. The option requires a length which sets the minimum height before a frame will be splitted.

3.3 Footnotes

Inside the environment you can use the command `\footnote` as usual. `mdframed` uses the syntax of the environment `minipage` with the same counter.

Every footnote text will be collected inside a box and will be displayed at the end of the environment `fullwidth`.

footnotedistance

default= \bigskipamount

The length is the distance between the end of the environment `fullwidth` and the displaying of the `\footnoterule`.

4 Known Problems

In this section I will collect known problems. In case you encounter any further problems, please drop me an email, [marco.daniel at mada-nada.de](mailto:marco.daniel@mada-nada.de).

Do you have any ideas / wishes on further extensions to this package? Please let me know!

5 Acknowledgements

Thanks to the members of [tex stackexchange](#).

5.1 Revision history

Version 0.1 submitted 26 Nov 2011

- first upload to [CTAN](#)