

The hackthefootline package

<https://github.com/SFr6B2k/hackthefootline>

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Dedicated to all the \LaTeX beamer users ...

*...who load two different themes in the same presentation
or redefine commands to obtain the desired footline ...*

...and the other guys just using `\setbeamertemplate{footline}`

Abstract

Provides arbitrary footline selection for \LaTeX beamer's standard themes (and maybe other themes) by “hacking” it.
In this content, “hacking” means to redefine the footline provided by theme with one of the footline templates provided by this package.

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Dependencies and other requirements

Load the `hackthefootline` package only in \LaTeX beamer documents!

The package itself depends on the following other packages:

<code>appendixnumber-</code> <code>beamer</code>	The <code>appendixnumberbeamer</code> package implements a simple solution for appendix frames not being calculated into the total number of frames
<code>etoolbox</code>	Provides access on ϵ - \TeX primitives
<code>calc</code>	Required for basic calculations
<code>numprint</code>	Prints out numbers, counters and lengths

The dependencies can be removed completely by passing some options to the package. See section 2 for further details.

License

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The latest version of this license is available at <http://www.latex-project.org/lppl.txt> and version 1.3c or later is part of all distributions of \LaTeX version 2008-05-04 or later.

This work has the LPPL maintenace status ‘maintained’. The current maintainer of this work is Sebastian Friedl.

This work consists of the following files:

- `hackthefootline.sty` and
- `hackthefootline-doc.tex`

Acknowledgement

The basic layout of the two- and three-column footline is based on the original \LaTeX beamer `split` and `infolines` outer themes written by Till Tantau.

Notice: Behaviour inside the presentation’s appendix

By default, this package *does not count appendix frames* into the total number of frames and resets the counter for frame numbers to 1 as soon as the `\appendix` command is used.

Also, frame numbers won’t be displayed on frames inside the appendix.

This behaviour can be avoided by passing the `countappendixframes` option to the package.

1 Using the package

The `\usepackage[<Options>]{hackthefootline}` command loads the package¹. The complete list of options can be found in section 2.

At least, you have to pass the *footline’s number of columns* as an option to the package (available: *onecol*, *twocol* or *threecol*). If you don’t do so, the footline gets removed.

2 Package options

The `hackthefootline` package provides the following options:

<code>onecol</code>	The “initial footline hack” produces a one-column footline
<code>twocol</code>	The “initial footline hack” produces a two-column footline
<code>threecol</code>	The “initial footline hack” produces a three-column footline
<code>countappendix-frames</code>	If the <code>countappendixframes</code> option is passed to the package, appendix frames are counted into the total number of frames. <i>Removes following dependencies: <code>appendixnumberbeamer</code>, <code>etoolbox</code></i>
<code>nofun</code>	Doesn’t support frame numbers being shown as “percent of presentation” <i>Removes following dependencies: <code>calc</code>, <code>numprint</code></i>

3 Default configurations

One-column footline

Short author, short institute: Short title	1 / 1
--	-------

Two-column footline

Short author	Short title
--------------	-------------

Three-column footline

Short auth. (short inst.)	Short title	Short date	1/1
---------------------------	-------------	------------	-----

4 Defined templates

The `hackthefootline` package defines templates with a variety of styles to provide easy personalisation. All defined templates are listed in table 1. Switching between different styles of a template is described in section 5.

¹To do so, the package has to be installed in a way \LaTeX is able to find it

Template	Style	Switching command
Title	<i>Short title</i>	<code>\htfshorttitle</code>
	<i>Long presentation title</i>	<code>\htflongtitle</code>
	<i>no title</i>	<code>\htfnotitle</code>
Author/Inst.	<i>Short author</i>	<code>\htfonlyauthor</code>
	<i>Short institute</i>	<code>\htfonlyinstitute</code>
	<i>Short author (short inst.)</i>	<code>\htfinstitutepts</code>
	<i>Short inst. (short author)</i>	<code>\htfauthorpts</code>
	<i>Short author, short inst.</i>	<code>\htfauthinst</code>
	<i>no author/inst.</i>	<code>\htfnoauthinst</code>
Date	<i>Short date</i>	<code>\htfshortdate</code>
	<i>Long date</i>	<code>\htflongdate</code>
	<i>no date</i>	<code>\htfnodate</code>
Frame nr.	<i>1</i>	<code>\htfcounterframenrs</code>
	<i>1 / 5</i>	<code>\htffractionframenrs</code>
	<i>42 %</i>	<code>\htfpercentframenrs</code>
	<i>no frame numbers</i>	<code>\htfnoframenrs</code>
Separators:	<i>Author: Title</i>	<code>\htfcolonsep</code>
	<i>Author, Title</i>	<code>\htfcommasep</code>
	<i>Author Title</i>	<code>\htfsepspace</code>

Table 1: Defined templates and styles

5 Switching styles

The styles of the templates at the initial hack are selected depending on the footline’s default settings.

You are able to switch styles inside the `document` environment by ...

1. changing the current settings using the commands listed in table 1 *and*
2. applying the settings with the `\hackthefootline` command.

Your changes to the footline’s settings only apply when executing this command.

Example:

```
\htflongdate           % Changes current settings ...
\htfauthinst
\hackthefootline       % ... and applies the changes
```

If a template is not shown in the current configuration (e. g. the frame number in the two-column footline), just switch the style:

Short author	Short title
--------------	-------------

```
\htfcounterframenrs
\hackthefootline
```

Short author	Short title	1
--------------	-------------	---

Also, a template shown in the current configuration can be “removed” by switching the style:

Short author	Short title	1
--------------	-------------	---

```
\htfnoauthinst
\hackthefootline
```

	Short title	1
--	-------------	---

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