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# Test of ulund beamer template

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# Beamer template: ulund

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This file is a short introduction to the beamer template `ulund`, an attempt to mimic Lund University's ppt template in `LATEX` beamer.

Below follows:

- A short introduction to the implemented options in the template.
- Some examples

/Stefan Höst

# Short manual

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# Beamer template: ulund

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Start by including the beamer template `ulund`. The preamble for this document is essentially:

```
\documentclass[aspectratio=1610]{beamer}
\usepackage[utf8]{inputenc}
\usepackage[T1]{fontenc}
\usetheme{ulund}
\title[ulund beamer]{Test of ulund beamer template}
\author[S. Höst]{%
  Stefan Höst\nnewline
  Dept.\@ of EIT, Lund University}
\begin{document}
```

# Options

---

The `ulund` theme comes with some options, as a comma separated list, set with  
`\usetheme[<options>]{ulund}`.

The options are (default value in [.]):

- `titleimagecolor={ [gray], darkgray, red, blue, green}`  
Background color of the title frame.
- `titleimagemargin=<distance>`  
White frame around title page page, default 2 mm. (Keep it  $\leq$  4 mm.)
- `navigationsymbols={true, [false]}`  
Navigation symbols in the footer.
- `mathserifont={true, [false]}`  
Serif math fonts

# Options (cont'd)

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- `foot={ [true], false}`  
Print footer.
- `footlogo={ [true], false}`  
Print small LU logo to right of footer.
- `english={ [true], false}`  
English LU logo. otherwise Swedish.
- `LTHlogo={true, [false] }`  
Use LTH logo on front and end page, otherwise LU (only seal)

# Options (cont'd)

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- `blackenumeratenumber={ [true], false }`  
Black enumerate numbers, otherwise Lund bronze.
- `blackitemmark={true, [false] }`  
Black item marks, otherwise Lund bronze
- `defaultfont={true, [false] }`  
Falls back to default beamer fonts, otherwise Palatino, Helvetica, Courier
- `sectionframe={ [true], false }`  
Print section frame for each section. Color set by `titleimagecolor`.

# Footer

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In the foot there are three positions; left, mid and right. The default is

---

<short author>      <short title>      <frame number>

To set some other content in the foot use the commands (here with default value)

- \ulundfootleft{\insertshortauthor}
- \ulundfootmid{\insertshorttitle}
- \ulundfootright{\insertframenumber}

To get total number of frames use e.g.

{\insertframenumber:\inserttotalframenumber}

# Title page

---

The title page is printed with the command `\titlepage` inside a frame.

```
\begin{frame}[plain] % plain removes header and footer
    \titlepage
\end{frame} % (*)
```

The title page has a coloured background (see options), the LU logo and prints the title and author in a white box. Instead of the standard monochrome background, any image can be used. Include by setting `\titleimage{<image>}`, e.g.

`\titleimage{titlepictureGroup}` as on the next frame. Reset with `\titleimage{ }`. The `<image>` is printed with the height of the page, and clipped to the right at the frame end. See to that the image is wide enough for the selected format of the frames (i.e. 16:9, 16:10, 4:3, etc).

( \*) The % is needed to make the verbatim listing happy. Without it I get an error. Not sure why.



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# Installation

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## TeXlive

To find the root of the local TeX-tree, use the command

```
kpsewhich -var-value=TEXMFHOME
```

If the directory does not exist, create it. Then unpack the files into

<TEXMFHOME>/tex/latex/beamer/themes/. That means for

- **MAC:** ~/Library/texmf/tex/latex/beamer/themes/
- **Linux:** ~/Library/texmf/tex/latex/beamer/themes/
- **Windows:** <user>\texmf\tex\latex\beamer\themes\

## MiKTeX

?

For more details see <https://tex.stackexchange.com/q/1137/95544>

# To do

(Some day)

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There are some more stuff I wanted to include, but did not have time for. If something of it (or something else) is needed let me know.

- Display ToC in header or sidebar.
- Command `\sectionimage{ }{ }` to put optional image on section slide. Or use the same as set by `\titleimage`.
- Background image on slides.
- Options for header line.
- Options for other faculties than LTH. Is there a demand for it? (The code for choosing logo has to be rewritten).
- Command for second logo. (This is not obvious how to include)
- Command to change options on the run.

Questions, comments and suggestions: [stefan.host@eit.lth.se](mailto:stefan.host@eit.lth.se)

## Examples

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# Theorems and other blocked material (1)

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```
\begin{definition}[def]  
    Lorem ipsum dolor ...  
\end{definition}
```

```
\begin{theorem}[theorem]  
    Lorem ipsum dolor ...  
\end{theorem}
```

```
\begin{example}[example]  
    Lorem ipsum dolor ...  
\end{example}
```

## Definition (def)

*Lorem ipsum dolor sit amet, consectetuer adipiscing elit.*

## Theorem (theorem)

*Lorem ipsum dolor sit amet, consectetuer adipiscing elit.*

## Example (example)

*Lorem ipsum dolor sit amet, consectetuer adipiscing elit.*

# Theorems and other blocked material (2)

---

```
\begin{lemma}[lemma]  
    Lorem ipsum dolor ...  
\end{lemma}
```

```
\begin{corollary}[corollary]  
    Lorem ipsum dolor ...  
\end{corollary}
```

## Lemma (lemma)

*Lorem ipsum dolor sit amet, consectetuer adipiscing elit.*

## Corollary (corollary)

*Lorem ipsum dolor sit amet, consectetuer adipiscing elit.*

# Theorems and other blocked material (3)

---

```
\begin{alertblock}{Alert}
    Lorem ipsum dolor ...
\end{alertblock}
```

```
\begin{block}{Block}
    Lorem ipsum dolor ...
\end{block}
```

```
\begin{exampleblock}{Example}
    Lorem ipsum dolor ...
\end{exampleblock}
```

## Alert

Lore*m ipsum dolor sit amet, consectetuer adipiscing elit.*

## Block

Lore*m ipsum dolor sit amet, consectetuer adipiscing elit.*

## Example

Lore*m ipsum dolor sit amet, consectetuer adipiscing elit.*

# Items and such

---

```
\begin{itemize}
\item First item level
  \begin{itemize}
    \item Second item level
      \begin{itemize}
        \item Third item level
      \end{itemize}
    \end{itemize}
  \end{itemize}
\item<alert@1> Alert
\item<lualert@1> LU-alert
\end{itemize}
```

[Same with enumerate]

- First item level
  - Second item level
    - » Third item level
- Alert
- LU-alert (alert bullet)
  1. First enumerate level
    - 1.1 Second enumerate level
      - 1.1.1 Third enumerate level
  2. Alert
  3. LU-alert (alert number)

# Picture in column



In the LU template there are examples of slides with one column occupied by an image. This frame:

```
\begin{columns} [onlytextwidth]
\begin{column} {0.3\textwidth}
\columnpicture{titlepictureGroup}
\end{column}
\begin{column} {0.65\textwidth}
[Text]
\end{column}
\end{columns}
```

A picture like this is just for decoration. Important pictures should be included the normal way.

# End page

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Finally, the end of the presentation should state where you are from:

```
\begin{frame}[plain]
  \endpage
\end{frame}%
```

See next slide



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