

Manutenibilidade em Linhas de Produtos de Software

Engenharia de Software II

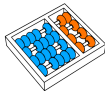


UNICAMP

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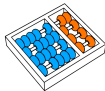
Instituto de Computação

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What is this?

- Beamer is a \LaTeX class that allows you to create presentations
- The project home page is <http://latex-beamer.sourceforge.net/>
- Beamer contains several themes, but they are a bit ugly
 - But with a lot of useful features, such as navigation bars, outlines, etc.
- Torino is a pretty theme
 - With a lot of useless – but pretty – features
 - But without some useful features
 - Well suited for short talks, for longer talks you should use themes with navigation bars
- Why the name?
 - Other themes are named after locations of Universities or conferences
 - Torino (Turin) is the location of Politecnico di Torino, my university



How to use the theme

■ Install Beamer

- Some distros have a `latex-beamer` package

■ Read the Beamer documentation

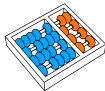
- `/usr/share/doc/latex-beamer/beameruserguide.pdf.gz` if you are using Debian
- `doc/beameruserguide.pdf` in the source package

■ Install the theme

- `mkdir -p ~/texmf/tex/latex/beamer`
- `cp *.sty ~/texmf/tex/latex/beamer`

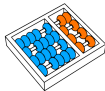
■ Read the example files

- `chameleon.tex`: green theme, watermark and circles for bullet lists
- `nouvelle.tex`: green and red theme, watermark and squares for bullet lists
- `freewilly.tex`: blue theme, a logo and squares for bullet lists



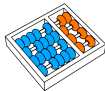
Theme files

- Themes are composed by sub-themes for single features
- Inner themes define how the title page, the bullet lists, margins, etc. work
 - `beamerinnerthemefancy.sty`
- Outer themes define how headers and footers look like
 - `beamerouterthemedecolines.sty`
- Color themes define the colors to be used in outer and inner themes
 - `beamercolorthemechameleon.sty`: green footers and headers
 - `beamercolorthemenouvelle.sty`: green footers, red headers and and frame title
 - `beamercolorthemefreewilly.sty`: blue footers, headers and frame title
- Global themes just include inner, outer and color themes
 - `beamerthemeTorino.sty`



Configuring the theme

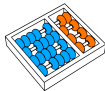
- Beamer themes can be configured with options between [and]
 - `\usetheme[option1 = value, option2 = value]{Torino}`
- If you do not specify any option, you get
 - Simple title page
 - No watermark or logo
 - Chameleon (green) color theme
 - Squares for bullet lists
- Color themes can be changed with `\usecolortheme`
 - `\usecolortheme{nouvelle}`: green and red
 - `\usecolortheme{freewilly}`: blue
- A logo, shown in the upper right corner, can be chosen with the `\logo` command
 - `\logo{\includegraphics[height=50px]{logo-image}}`



Alternative title page

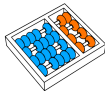
- A fancy title page can be enabled with the `alternativetitlepage` option
- You can put a logo in the title page, just pass the file name using the `titlepagelogo` option
- Remember to use a plain and top-aligned frame when using alternative title pages:

```
\begin{frame}[t,plain]  
\titlepage  
\end{frame}
```



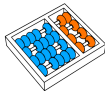
Watermark

- A watermark can be shown in the bottom right corner of frames
- Use the `watermark` option to set name of the image file
- The `watermarkheight` option specifies the height of the watermark image
- It's a good idea to have a big image and shrink it, so it looks good when the slide is full screen
- If the image height in the slide is not the same as the original one, you have to use the `watermarkheightmult` option
 - For example, if the image is 400 pixel tall but you want it to occupy only 100 pixels, use
`[watermarkheight=100px, watermarkheightmult=4]`
 - It's ugly but I don't know how to fix it



Disabling the watermark

- You may want to disable the watermark on some frames
 - For example, an image could partially cover the watermark, with ugly results
- The `\watermarkoff` command can be used to disable the watermark in the following frames
- The `\watermarkon` command restores the watermark in the following frames
- If you did not specify a watermark, nothing happens
- `\watermarkoff` was used for this frame



Other options

- The `pageofpages` option defines the string between the current page number and the total page count
 - The default is “/”
 - The example files set `pageofpages` to “of”
- The `bullet` option can be used to choose the symbol used in bullet lists
 - `square`: A filled square (■) for first and third level items, an empty square (□) for second level items
 - `circle`: A filled circle (●) for first and third level items, an empty circle (○) for second level items
 - The default value is `square`
- If the `titleline` option is set to `true`, a horizontal line is drawn below the title