Sapienza theme for LaTeX Beamer

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Outline

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.
- Roma is a pretty theme
  - With a lot of useless – but pretty – features
  - But without some useful features
  - Well suited for short talks
- Why the name?
  - Other themes are named after locations of Universities or conferences
  - Roma is the location of Sapienza, University of Rome (my university)

Theme files

- Themes are composed by sub-themes for single features
- Inner themes define how the title page, the bullet lists, margins, etc. work
  - `beamerinnerthemespiffy.sty`
- Outer themes define how headers and footers look like
  - `beamerouterthemerunglines.sty`
- Color themes define the colors to be used in outer and inner themes
  - `beamercolorthemesapienza.sty`: red, blue and green used by Sapienza branding
- Global themes just include inner, outer and color themes
  - `beamerthemeRoma.sty`

Outline

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
  - `sudo cp -r themes /usr/share/texmf/tex/latex/beamer/`
  - `sudo texhash`
- Read the example files
  - `roma-demo.tex`: example of usage oh this theme
  - `content.tex`: the text of this presentation

Outline

1 The theme
- General infos

2 Installation

3 Customization
- Basic config
- Watermark
- Others

Configuring the theme

- Beamer themes can be configured with options between [and]
  - `\usetheme[option1 = value, option2 = value]{Roma}`
- A logo, shown in the upper right corner, can be choosen with the `\logo` command
  - `\logo{\includegraphics[height=50px]{logo-image}}`

Default options (if nothing specified)

- Simple title page
- No watermark or logo
- Squares for bullet lists

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

Alternative title frame

```
\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

Notice

`\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

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