



Master's Thesis Preparation

Empowering Users' Privacy Rights in the Internet of Things

Nelson Vieira

University of Madeira
Faculty of Exact Sciences and Engineering

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What is Beamer?

The beamer classes for \LaTeX are used to create presentations that are to be shown with a beamer. The text typesetting system creates PDF files that can be shown by a large number of programmes. The present theme was adapted from HSRM theme by Benjamin Weiss and it makes the creation of slides (assuming basic knowledge of \LaTeX) child's play.

System requirements

In order to successfully create presentations with this theme, the following requirements must be met by the system:

- LuaLaTeX must be used to typeset the slides.
- Besides some standard packages, the packages beamer, pgf and xcolor must be installed.
- The fonts Flama-Light, Flama-Book and Flama-Medium should be installed. Alternative: Arial
<http://www.felicianotypefoundry.com/>

Basic structure of the document

Theme options

To customize the presentation, the following options can be selected.

Option	Effect
<code>noflama</code>	If you do not have the Flama font you can switch to the Arial font with this option.
<code>noserifmath</code>	Formulas are also set sans serif.
<code>nosectionpages</code>	The section introduction pages will be hidden.

Primary colours

All colours predefined are listed below, and in the following slide.
You may add more using the same code structure as in the `colors.tex` file.

Some text

Secondary colours

Some text

slide structure

Structure in Beamer is the same as in \LaTeX using section, subsection, etc. For slides the frame environment is defined. The slide title can be passed directly to the frame environment or set within the environment using s

title page and table of contents

And the table of contents with

The option `hideallsubsections` is useful for longer presentations to keep the table of contents compact.

enumerations

Enumerations are possible with the `enumerate` and the `itemize` environment.

- 1 item 1
- 2 item 2
 - point 1
 - point 2
- 3 point 3

emphasis

In the Beamer class, the function `\alert` is defined to highlight individual words. Example:

■ highlighted text

Additionally, `\quoted` and `\doublequoted` can be used, resulting in the following outputs:

single quotation marks

Double quotation marks

Simple block with enumeration

Block environments are defined in Beamer for structuring purposes.

Block with an enumeration

- point 1
- point 2

block with a bullet

- point 1

Alert Block

Alert Block

An Alert Block is coloured with the first primary colour.

alert block

An Alert Block is coloured with the first primary colour.

Block structures

Example Block

Example Block

An Example Block is coloured with the first secondary colour.

Example Block

An example block is coloured with the first secondary colour.

Block structures

block with other colour

Block with other colour

Another secondary colour is used in this block.

block with other colour

other examples

Below are more example slides attached without additional explanation. Just have a look at the source code to see how the slides were created.

Images

photo with copyright

Images

plot with caption

Figure: LFE channel frequency spectrum

Table

Table: Selection of window function and their properties

Window	First side lobe	3 dB bandwidth	Roll-off
Rectangular	13.2 dB	0.886 Hz/bin	6 dB/oct
Triangular	26.4 dB	1.276 Hz/bin	12 dB/oct
Hann	31.0 dB	1.442 Hz/bin	18 dB/oct
Hamming	41.0 dB	1.300 Hz/bin	6 dB/oct

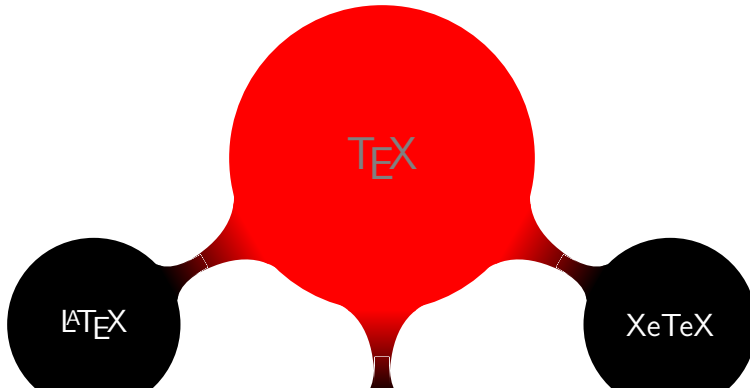
Formulas

Fourier Integral

$$F(j\omega) = \int_{-\infty}^{\infty} f(t) \cdot e^{-j\omega t} dt$$

Factorial

Mindmap with TikZ



Footnotes

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slide with associated notes slide

This slide is for the audience.

The following programmes are suitable for its presentation:

- Splitshow (Mac OS X)
url<https://code.google.com/p/splitshow/>
- pdf-presenter (Windows)
url<https://code.google.com/p/pdf-presenter/>

Empowering Users' Privacy Rights in the Internet of Things

└ Example slides

└ Notes

└ slide with associated notes slide

slide with associated notes slide

This slide is for the audience.

The following programmes are suitable for its presentation:

- Splitshow (Mac OS X)
[urlhttps://code.google.com/p/splitshow/](https://code.google.com/p/splitshow/)
- pdf-presenter (Windows)
[urlhttps://code.google.com/p/pdf-presenter/](https://code.google.com/p/pdf-presenter/)

Use this slide for your notes on the presentation.

The following programmes are suitable for your presentation:

- Splitshow (Mac OS X)
<https://code.google.com/p/splitshow/>
- pdf-presenter (Windows)
<https://code.google.com/p/pdf-presenter/>

Two columns

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ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

- one entry
- another entry

Column break

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- one entry
- another entry

References



Alan V. Oppenheim

Discrete-Time Signal Processing

Prentice Hall Press, 2009



European Broadcasting Union

Specification of the Broadcast Wave Format (BWF)

2011

Conclusion

- An option to a more complete footline needs to be added.

Questions or Comments

Thank you for your attention. Any questions?