Aarhus university beamer template

Generate slides via LaTeX

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August 26, 2024

Overview

This beamer theme references both the Awesome Beamer and Stevens Institute of Technology Beamer and has undergone a complete redesign of the pages. The design style is characterised by simplicity and clarity.

The subsequent sections will provide a concise overview of the LaTeX and beamer package tools for creating slides, accompanied by a brief introduction to the relevant design background.
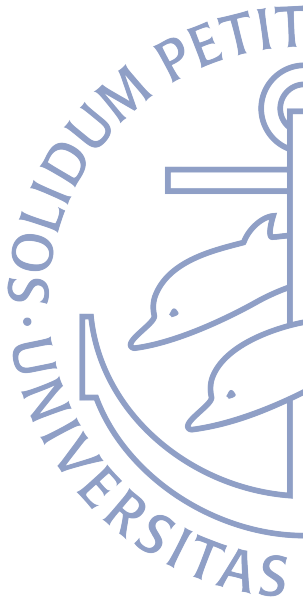
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Overview of LaTeX Beamer

The LaTeX Beamer class is a powerful and flexible tool for creating professional presentations within the LaTeX typesetting system. Designed to produce high-quality slides for academic and professional use, Beamer allows for the seamless integration of mathematical notation, bibliographies, and complex formatting. It supports themes and color customization, making it adaptable to various presentation styles. The Beamer class is widely used in academia due to its ability to create visually appealing, content-rich slides that maintain the typographic standards of LaTeX.

Beamer vs. PowerPoint
In tabular form

| Feature	Beamer	PowerPoint
Typesetting	Utilise LaTeX for professional typesetting	WYS|WYG
Mathematical	Excellent support	Limited support
Version control	Easily integrates with version control systems	Lacks robust version control integration
Graphics	Require some LaTeX knowledge	Intuitive drag-and-drop interface
Learning curve	Steeper	Easy
Cost	Open-source and free	Require license

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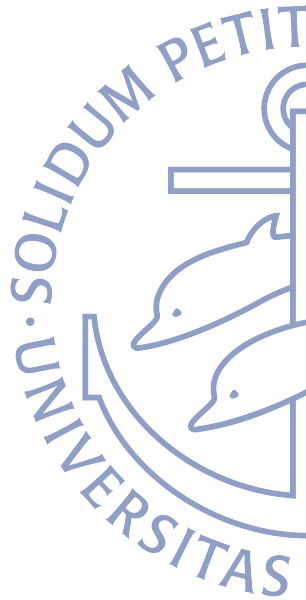
The basic framework of Beamer

To start working with *Aarhus Beamer*, start a LaTeX document with the preamble:

Minimum Aarhus Beamer Document

```latex
1  \documentclass{beamer}
2  \usetheme{Aarhus}
3  \begin{document}
4      \begin{frame}
5          ...
6      \end{frame}
7  \end{document}
```

Title page

In order to set a typical title page, one must issue certain commands in the preamble:

The commands for the Title page

```
1  \title{Aarhus university beamer template}
2  \subtitle{Generate slides via \LaTeX}
3  \author{Derui ZHAO}
4  \date{\today}
```

Formula

The following example illustrates the use of a mathematical formula, specifically Euler's formula.

$$e^{i\pi} + 1 = 0 \tag{1}$$

A more complex example is shown below:

$$F(\omega) = \mathcal{F}[f(t)] = \int_{-\infty}^{\infty} f(t)e^{-i\omega t}dt \tag{2}$$

Block

This theme comprises 4 distinct types of blocks: block (`block`), definition (`definition`), example (`example`) and alert (`alert`).

> **Block**
>
> This is block.

> **Definition**
>
> Definition block.

> **Example**
>
> Example block.

> **Alert**
>
> Alert block.

Contents
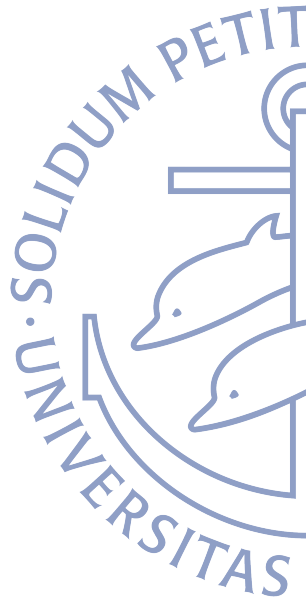
Colours

The colours of this theme have been selected in accordance with the colour palette of Aarhus University. The list colours is as follows:

- ■ Blue
- ■ Cyan
- ■ Green
- ■ Orange
- ■ Magenta

- ■ Lilla
- ■ Turkis
- ■ Yellow
- ■ Red
- ■ Grey

Each colour is available in two variants, designated as light and dark. The light colour is comprised of 95% white, while the dark colour is composed of 25% black.

In the nomenclature of colour, the camel case is typically employed. That is to say, if the colour is `blue`, the lighter version is named `lightBlue`, and the dark version is named `darkBlue`.

Fonts

◇ The default font is **Helvetica**, a sans-serif font.
  `\RequirePackage{helvet}`
◇ The serif font is **Libertinus**.
  `\RequirePackage[osf]{libertinus}`
◇ The typewriter font, i.e. mono font, is **Source Code Pro**.
  `\RequirePackage{sourcecodepro}`
◇ The mathematical font employs **Euler**.
  `\RequirePackage[euler-digits]{eulervm}`

THANK YOU!

Q & A