Friedrich-Alexander-Universität
Erlangen-Nürnberg

The NEW fau-beamer Template

The LaTeX template according to the 2021 FAU corporate guide

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February 13, 2023

Introduction

What is this?

This file demonstrates the fau-beamer style, which is a style for the LaTeX `beamer` class, which allows to create presentation slides in LaTeX. The design is based on the FAU corporate style guide 2021.
This code for this template was written by Tim Roith. If you have questions about the template or found a mistake you can send an email to tim{dot}roith{at}fau{dot}de or open a issue at the GitHub repository.

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Outline

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1. Example Section
1.1 Subsection A
1.2 Subsection B
2. The Color Scheme
3. The Frame Dimensions
4. Equations and blocks
5. Citing and bibliography

1. Example Section

1.1 Subsection A

1.2 Subsection B

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An Example Slide

With a subtitle

This is how a normal slide looks like, where plain text is put within the `frame` environment.

An Example Slide
With a subtitle
This is how a normal slide looks like, where plain text is put within the frame environment.

Blocks

You can use blocks with this template.

Block headline

This block spans all the way from the left to the right margin.

Using minipages one can use blocks of certain fixed sizes.

Headline A

Some text.

Headline B

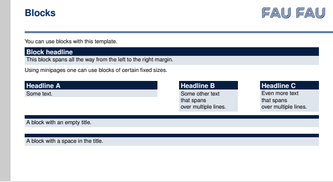
Some other text
that spans
over multiple lines.

Headline C

Even more text
that spans
over multiple lines.

A block with an empty title.

A block with a space in the title.



A very very very very very very very very long title

A very very very very very very very very long title

Top aligned

In this frame everything is aligned on top.

Top aligned

In this frame everything is aligned on top.

Bottom aligned

In this frame everything is aligned on the bottom.

Bottom aligned
In this frame everything is aligned on the bottom.

Lists

Itemize and enumerate

You can use the itemize environment that looks as follows.

- An item.
- Another one.
  - A subitem.
  - Another subitem.
- And another item.

You can also use the enumerate environment.

1. The first item.
2. The second one.
3. The third one.

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Using Overlay Specifications

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Using Overlay Specifications

- The first item.

Using Overlay Specifications
- The first item.

Using Overlay Specifications

- The first item.
- The second one.

Using Overlay Specifications
- The first item.
- The second one.

Using Overlay Specifications

- The first item.
- The second one.

Framed Text

This should be displayed after the list.

Using Overlay Specifications

- The first item.
- The second one.

Framed Text
This should be displayed after the list.

Using Overlay Specifications

- The first item.
- The second one.

Framed Text

This should be displayed after the list. This should be displayed last.

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FAU FAU

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3. The Frame Dimensions
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Choosing the Institution

You can specify the institute template by passing it to package, i.e.,

`\usepackage[institute=<option>]{styles/beamerthemefau}`,

where you have the following options,

- FAU
- RW
- Med
- Nat
- TF

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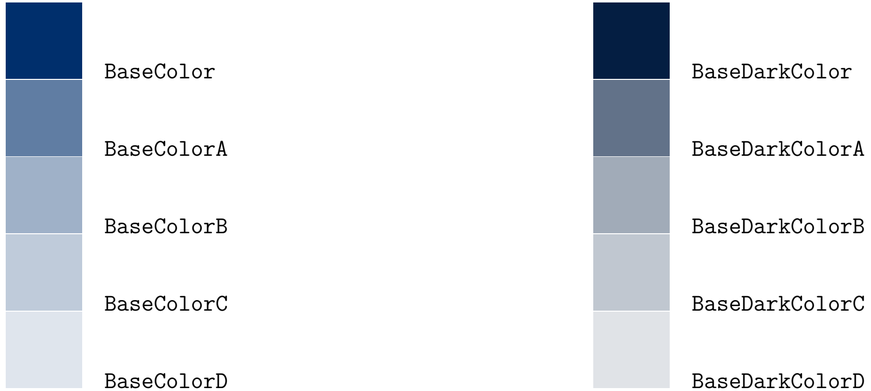
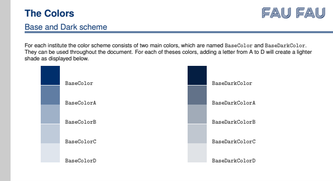
The Colors

Base and Dark scheme

For each institute the color scheme consists of two main colors, which are named `BaseColor` and `BaseDarkColor`. They can be used throughout the document. For each of theses colors, adding a letter from A to D will create a lighter shade as displayed below.





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Text Area

The area you can fill in a normal frame

This area can be filled on a normal frame.

Text Area
The area you can fill in a normal frame
This area can be filled on a normal frame.

This area can be filled on a frame without a title.

This area can be filled on a plain frame.

This area can be filled on a plain frame.

This area can be filled on a true plain frame with removed margins.

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In this template we try to patch some of these issues and therefore the label below should be aligned exactly on the right margin

$$a^2 + b^2 = c^2. \tag{1}$$

An `align` environment should yield the same alignment

$$e^{i\pi} + 1 = 0. \tag{2}$$

This is especially important if we put such an environment in a block,

Gauss's Theorem

$$\int_\Omega \operatorname{div} F \, d\lambda^n = \int_{\partial\Omega} F \cdot \nu \, d\mathcal{H}^{n-1}. \tag{3}$$

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Citing

Since we use `biblatex` we can easily cite our favourite articles, like [Bun+21a; Bun+21b]. For presentation the `footnote` command is useful to have citation at the bottom[1].

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References

To show the references used within this presentation we can use the `printbibliography` command from `biblatex`.
For beamer documents it is important to give the additional option `[heading=none]`.

References

[Bun+21a] L. Bungert, T. Roith, D. Tenbrinck, and M. Burger. “A Bregman Learning Framework for Sparse Neural Networks”. In: (2021).

[Bun+21b] L. Bungert, T. Roith, D. Tenbrinck, and M. Burger. “Neural Architecture Search via Bregman Iterations”. In: (2021).

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