Friedrich-Alexander-Universität Erlangen-Nürnberg





The NEW fau-beamer Template

The LATEX template according to the 2021 FAU corporate guide

Tim Roith¹ Second Author²

¹Friedrich-Alexander Universität Erlangen-Nürnberg, Department Mathematik

²Another Insitute

February 13, 2023

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The NEW fau-beamer Template

The MEX template according to the 2021 FAU corporate guide

Tim Roith¹ Second Author²

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Introduction



What is this?

This file demonstrates the fau-beamer style, which is a style for the Lagranger class, which allows to create presentation slides in Lagranger. 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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fau-beamer

∟Introduction

Introduction

What is this

Ints the demonstrates the fail-beamer style, which is a style for the elg2 beamer class, which allows to create presentation sides in Efg2. The design is based on the FAU corporate style guide 2021. This code for this template was written by Tim Rolth. If you have questions about the template or found a mistake you can send an email to imiddifiorithiaffaulfoldied or open a issue at the Gift-but reposition.

FAU FAU

Outline



└Outline

- 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

fau-beamer Outline 1. Example Section 1.1 Subsection A

- 1.2 Subsection B
- 2. The Color Scheme
- 3. The Frame Dimensions

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- 4. Equations and blocks
- 5. Citing and bibliography

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- 1.1 Subsection A
- 1.2 Subsection B
- 2. The Color Scheme
- 3. The Frame Dimensions
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1. Example Section

- 1.1 Subsection A
- 1.2 Subsection B
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Example Section

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- 2. The Color Scheme
- 3. The Frame Dimensions
- 4. Equations and blocks
- 5. Citing and bibliography

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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.

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Example Section

⊢An Example Slide

An Example Slide

With a subtitle

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

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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.

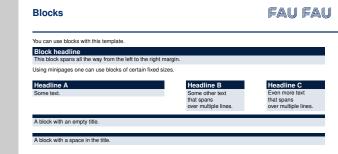
A block with an empty title.

A block with a space in the title.

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Example Section

⊢Blocks



A very very very very very long title



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Example Section

⊢A very very very very very very long title

very very very very very very long title

FAU FAL

Top aligned



In this frame everything is aligned on top.

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Example Section

└Top aligned

Top aligned

FAU FAU

In this frame everything is aligned on top.

Bottom aligned



In this frame everything is aligned on the bottom.

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Example Section

∟Bottom aligned

Bottom aligned

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In this frame everything is aligned on the bottom.

Lists

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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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Example Section

∟Lists

Lists

FAU FAU

You can use the itemize environment that looks as follows.

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

You can also use the enumerate environment

- The first item.
 The second one.
 The third one.



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Example Section

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Using Overlay Specifications FAU FAU



• The first item.

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Example Section

└Using Overlay Specifications

Using Overlay Specifications

FAU FAU

The first item.



- The first item.
- The second one.

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Example Section

Using Overlay Specifications

FAU FAU

The first item.
The second one.



- The first item.
- The second one.

Framed Text

This should be displayed after the list.

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Example Section

└Using Overlay Specifications

FAU FAU

Using Overlay Specifications

This should be displayed after the list.



- 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-beamer
Example Section

└Using Overlay Specifications

Using Overlay Specifications

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he first item.

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



We can also have subsections, even though they don't really do anything right now. They only appear in the toc.

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FAU FAU

We can also have subsections, even though they don't really do anything right now. They only appear in the toc.



When there is one subsection, there probably should be another.

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Example Section

Subsection B

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When there is one subsection, there probably should be another.

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1. Example Section

- 1.1 Subsection A
- 1.2 Subsection B
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- 3. The Frame Dimensions
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The Color Scheme

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- 1. Example Section
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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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└Choosing the Institution

Choosing the Institution

FAU FAU

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

where you have the following options,

• RW

Med

at

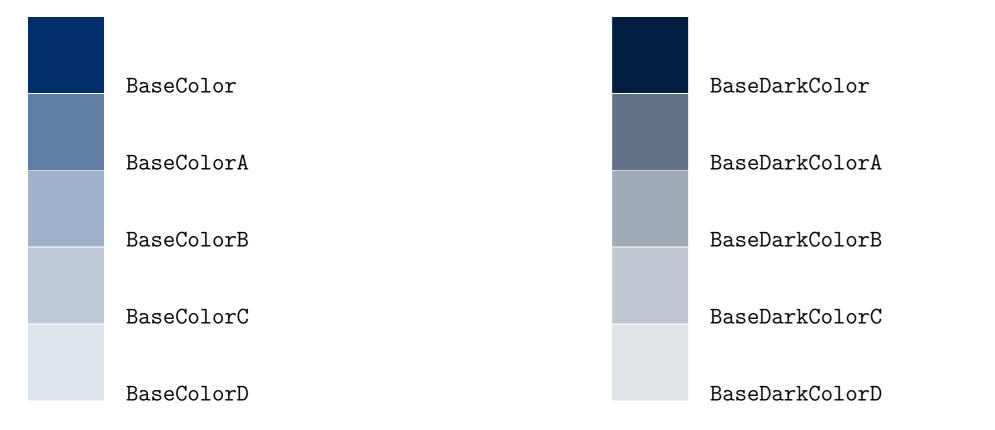
Nat
 TF

The Colors



Base and Dark scheme

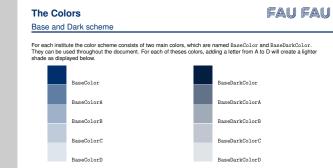
For each institute the color scheme consists of two main colors, which are named BaseColor and BaseDarkColor. They can be used throughout the document. For each of theses colors, adding a letter from A to D will create a lighter shade as displayed below.



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□The Colors



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The Fram └The Frame Dimensions

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- 1. Example Section
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Text Area



The area you can fill in a normal frame

This area can be filled on a normal frame.

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The Frame Dimensions

Text Area

Text Area
The area you can fill in a normal frame

This area can be filled on a normal frame.

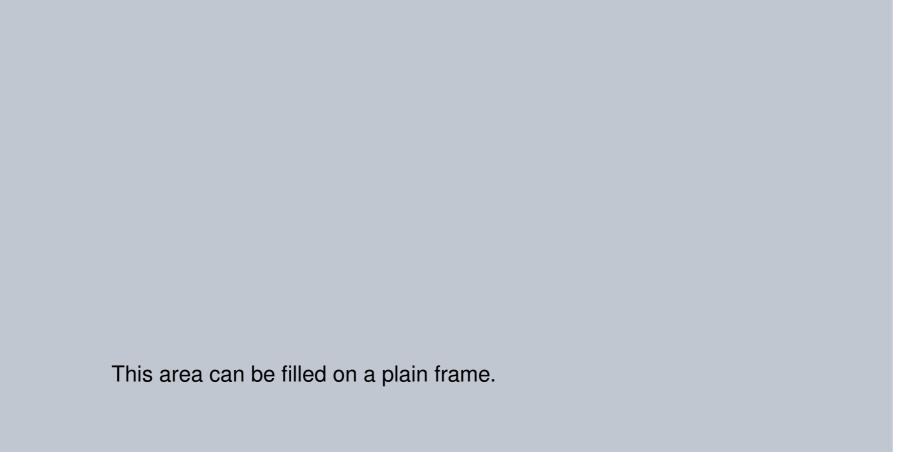
This area can be filled on a frame without a title.

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The Frame Dimensions

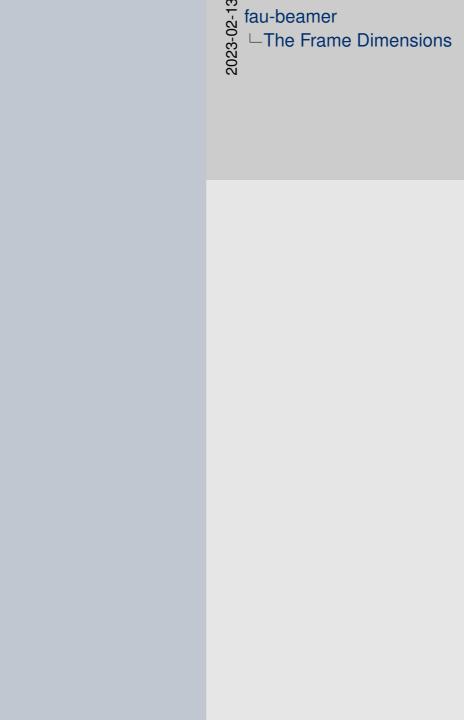
This area can be filled on a frame without a title.



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The Frame Dimensions

This area can be filled on a plain frame.



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

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

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Equations and blocks

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rsität

FAU

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- 2. The Color Scheme
- 3. The Frame Dimensions
- 3. The Frame Difficusions
- 5. Citing and bibliography

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Equations Label alignment



The beamer class unfortunately has some problems with the proper alignment of equation labels.

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Equations and blocks

⊢Equations

Equations

The beamer class unfortunately has some problems with the proper alignment of equation labels.

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Equations



Label alignment

The beamer class unfortunately has some problems with the proper alignment of equation labels. In this template we try to patch some of these issues and therefore the label below should be aligned exactly on the right margin

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

An align environment should yield the same alignment

$$e^{i\pi} + 1 = 0.$$
 (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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Equations and blocks

Equations

Equations
Label alignment

The beamer class unfortunately has some problems with the proper alignment of equation labels. 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 $e^{i\tau} + 1 = 0. \tag{2}$ This is especially important if we put such an environment in a block.

Gauss's Theorem $\int_B \operatorname{div} F \, d\lambda^n = \int_{\partial B} F \cdot \nu \, d\mathcal{H}^{n-1}. \tag{3}$

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Citing and bibliography

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- 1. Example Section
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- 3. The Frame Dimensions
- 4. Equations and blocks

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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 bottom¹.

¹[Bun+21a]

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Citing and bibliography

Citing

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¹[Bun+21a]

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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Citing and bibliography

□References

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References

L. Bungert, T. Roith, D. Tenbrinck, and M. Burger. "A Bregman Learning Framewoworks". In: (2021).

21b] L. Bungert, T. Roith, D. Tenbrinck, and M. Burger. "Neural Architecture Search via Bregman Iteration: (2021). fau-beamer

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Citing and bibliography

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