

# The Bayreuth L<sup>A</sup>T<sub>E</sub>X beamer theme

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## Abstract

**Under construction.** The Bayreuth beamer theme is a simple, highly configurable L<sup>A</sup>T<sub>E</sub>X beamer theme using colors from the city of Bayreuth’s logo.

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## Dependencies and other requirements

The Bayreuth theme requires L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> and – in addition to the ones requested by the beamer class – following packages:

tikz The frontend to pgf used for drawings

## Call for cooperation

Please report bugs and other problems as well as suggestions for improvements to my email address (sfr682k@t-online.de).

## Style sample

The style sample shown in figure 1 was made using the sample presentation “Writing presentations in L<sup>A</sup>T<sub>E</sub>X beamer?” created by Sebastian Friedl<sup>1</sup>.

## License

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This work may be distributed and/or modified under the conditions of the L<sup>A</sup>T<sub>E</sub>X Project Public License, either version 1.3c of this license or (at your option) any later version.

The latest version of this license is available at <http://www.latex-project.org/lppl.txt> and version 1.3c or later is part of all distributions of L<sup>A</sup>T<sub>E</sub>X version 2008-05-04 or later.

This work has the LPPL maintenace status ‘maintained’. The current maintainer of this work is Sebastian Friedl.

This work consists of the following files:

- beamerthemeBayreuth.sty and
- beamerthemeBayreuth\_documentation.tex

## 1 Using the theme

For using the theme you have to copy the file `beamerthemeBayreuth.sty` into the folder containing the master file of your presentation. Advanced users may also install the style file on their local system.

After that, simply use the command `\usetheme{Bayreuth}` to set the theme used in your presentation to the Bayreuth theme.

## 2 Theme options

Passing some options to the theme influences the way it behaves.

Syntax: `\usetheme[<option1>, <option2>, ...]{Bayreuth}`

### Available options:

nosmallcaps Activate this option if your font doesn’t support small caps

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<sup>1</sup>Source available on GitHub (*Licensed under the WTFPL*)

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Writing presentations in  $\text{\LaTeX}$  beamer?

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Dedicated to both,  $\text{\LaTeX}$  beamer's developers and (possible) users

Why should I use  $\text{\LaTeX}$  beamer?

A simple argument

Because it's better! Ever done stuff like this ...

COULOMB'S LAW

It is commonly known that the force  $F$  interacting between statical electrical particles is described by

$$F = k_e \frac{q_1 q_2}{r^2}$$

where  $q_1, q_2$  represent the signed magnitude of the charges and  $r$  the distance between them.  $k_e$  is defined as  $\frac{1}{4\pi\epsilon_0}$ .

... in PowerPoint<sup>1</sup>? IMPOSSIBLE ...

<sup>1</sup>or one of its Open Source alternatives?

Advantages

You can use normal  $\text{\LaTeX}$  code

Structure your presentation with `\section & Co.` and generate a table of contents with `\tableofcontents`

Insert formulas like you are used to

Useful, presentation specific commands available:

Create overlays (e. g. with `\uncover` or `\only`)

Color blocks and boxes

Your presentation always looks like the same ...

on every computer and platform!!

Only a program capable of displaying .pdf files in fullscreen mode is required

Conclusion

SWITCH TO  $\text{\LaTeX}$ !

$\text{\LaTeX}$  is nearly almighty! You can even typeset sudokus with it ...

$\text{\LaTeX}$  DOESN'T COST A SINGLE CENT!

Just download the current version of  $\text{\TeX}$ Live from [tug.org](http://tug.org)

Warning!

Actually, some people are simply too dumb for using  $\text{\LaTeX}$  or recognizing the big advantages of it.

Disadvantages

1. Big disadvantages: There are none!

2. "Real" disadvantages:

2.1 Some things easily possible in PowerPoint are hard to fulfil and need some "out of the box"-thinking

2.2 The ugly Computer Modern fonts are used by default

3. No real disadvantages:

3.1 You can simply mix itemizations and enumerations:

You're getting confused about that?

It's your problem, not mine ...

3.2 You'll have to learn some  $\text{\LaTeX}$  commands if you didn't do so

3.2.1  $\text{\LaTeX}$  is an enrichment and capable of (nearly) everything!

3.2.2 "Out of the box"-thinking trains your brain!

Appendix frames

For creating appendix frames, just begin an appendix part with the `\appendix` command like you do in other  $\text{\LaTeX}$  documents.

If you don't want appendix frames being counted into the total number of frames you may load the `appendixnumberbeamer` package in your document's preamble.

Figure 1: Style sample of the Bayreuth theme

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### 3 Roadmap

Done tasks are labeled with a checkmark (✓), tasks left to do with an arrow (→).

- ✓ Basic color definitions
- ✓ Frame title templates defined
- ✓ Template for title frame
- ✓ Templates for structure frames
- ✓ Full font theme
- Innerstyling
- Head- and footline templates
- Add support for large frame numbers (with a fancy progress bar)
- Full color theme

### 4 Notes

#### 4.1 Known problems and workarounds

- Title and structure frames may require to be compiled twice

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