

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

Does this make sense?

Sebastian Friedl (`sfr682k@t-online.de`)

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

August 28, 2017

# Contents

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

Advantages

Disadvantages

Conclusion

# Why should I use L<sup>A</sup>T<sub>E</sub>X 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

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

where  $q_1$ ,  $q_2$  represent the signed magnitude of the charges and  $r$  the distance between them.  $k_{\epsilon}$  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

# 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!

# Conclusion

Switch to L<sup>A</sup>T<sub>E</sub>X!

L<sup>A</sup>T<sub>E</sub>X is nearly almighty! You can even typeset sudokus with it ...

L<sup>A</sup>T<sub>E</sub>X doesn't cost a single cent!

Just download the current version of T<sub>E</sub>XLive from [tug.org](http://tug.org)

**Warning!**

Actually, some people are simply too dumb for using L<sup>A</sup>T<sub>E</sub>X or recognizing the big advantages of it.

# 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.