

# WRITING PRESENTATIONS IN L<sup>A</sup>T<sub>E</sub>X BEAMER?

Does this make sense?

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*Dedicated to both, L<sup>A</sup>T<sub>E</sub>X beamer's developers and (possible) users*

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# 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

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

where  $q_1, q_2$  represent the signed magnitude of the charges and  $r$  the distance between them.  $k_{\varepsilon}$  is defined as  $\frac{1}{4\pi\varepsilon_0}$ .

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

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



# Advantages

- ▶ You can use normal L<sup>A</sup>T<sub>E</sub>X 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 L<sup>A</sup>T<sub>E</sub>X commands if you didn’t do so
    - 3.2.1 L<sup>A</sup>T<sub>E</sub>X is an enrichment and capable of (nearly) everything!
    - 3.2.2 “Out of the box”–thinking trains your brain!



# 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.

# APPENDIX

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# 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.