



# L<sup>A</sup>T<sub>E</sub>X Beamer

Better than Powerpoint

Bull Dog

January 1, 2010

# Outline



- 1 Introduction
- 2 Basic structuring
- 3 Fancy features

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# Prerequisites & Goals

Knowledge is a brick wall that you raise line by line forever



## L<sup>A</sup>T<sub>E</sub>X

- Obviously some basic L<sup>A</sup>T<sub>E</sub>X knowledge is necessary
- Some more features will be provided here

## Beamer

- You'll learn them by looking at this presentation source

## Goal

- Learn how to make well structured slides
- Using a beautiful theme
- Take over the world
- Relax...

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# Sections, Frames and Blocks

Put everything into boxes



The current section is “Basic structuring”. And the current frame is what you have on the screen right now.

## A beautiful block

A block has a title, and some content. You can put in a block almost everything you want that is provided by  $\LaTeX$ . For example math works as usual:

$$\sum_{i=1}^n i = \frac{n(n+1)}{2} \quad (1)$$

Also works outside a block:

$$\sum_{i=1}^n i^2 = \frac{n(n+1)(2n+1)}{6} \quad (2)$$



# Different type of blocks

Weeeee! Colors!!



## Standard block

- A standard block, used for grouping
- Obviously can contain itemizes too...
  - And nested itemizes...
  - of course!

## Alert block

WARNING: Something very important inside this block!

## Example

Note that examples are displayed as a special block...



There are a few predefined blocks. Theorem and definition are among these.

Theorem

*For  $a$ ,  $b$ , and  $c \in \mathbb{R}$ , if  $a < b$  and  $b < c$ , then  $a$  is small.*

Definition

*Small is what  $a$  is.*



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# Highlighting

Hey! Look here! here!



## A regular block

- Normal text
- Highlighted text to draw attention
- “Alert’ed” text to spot very important information
- Alternatively you can
  - “Alert” the item itself
  - Or “Highlight” it

If it’s very very important. . .

. . .you can “alert” in an “alertblock”

Kind of ugly.

# Overlay effects

Keep the suspense!



## Time bomb

- 1 Two more to go
- 2 One more to go
- 3 Last chance...
- 4 BOOM!

## "Animation"



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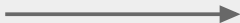
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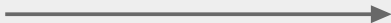
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And now?  
Enter the secret section

# Contributing to this beamer style



We want you !

## Why?

- Beamer is hot!
- This style deserves to be improved

## How?

- Grab it
- Improve its  $\text{\LaTeX}$  code
- Use your artistic skills
- Document it
- Help other people to use it
- Use it...

# Resources

If you want to improve this style



LaTeX Beamer

<http://latex-beamer.sourceforge.net/>