



Dr. LaTeX Beamer

How I Learned to Stop Worrying and Love the Slide

Konqi Konqueror

December 1, 2008



- 1 Introduction
- 2 Basic structuring
- 3 Fancy features



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- 2 Basic structuring
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Prerequisites & Goals

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



LaTeX

- Obviously some basic LaTeX 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 (congrats to the Oxygen team!)
- Take over the world
- Relax...



- 1 Introduction
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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:

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

Also works outside a block:

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



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...



- 1 Introduction
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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"

Ewww, nasty, heh?



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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Overlay effects

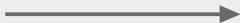
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Overlay effects

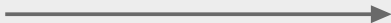
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And now?
Enter the secret section



Contributing to this beamer style

We want you !



Why?

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

How?

- Grab it
- Improve its 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/>



KDE Presentations

<http://www.kde.org/kdeslides/>



Questions ?



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Now we'll learn LaTeX Beamer step by step



Learning Beamer-style

Based on the sources of this presentation



Basic structure in LaTeX-Beamer

- `frame` → encloses the content of the frame
- `frametitle` → Top Headline (here: Learning how to ...)
- `framesubtitle` → Second Headline (here: Based on the sources ...)
- `block` → encloses the content of a part of the frame
 - there can be more blocks in a frame
 - there are different types of blocks
 - you can use text outside of a block element, too
 - you can use the `itemize`, `enumerate`, etc items in the block



Learning Beamer-style

Objects of the slide Goals, part-I.



```

\begin{frame}
  \frametitle{Prerequisites \& Goals}
  \framesubtitle{Knowledge is a brick wall that you raise I}
  \begin{block}{LaTeX}
    \begin{itemize}
      \item Obviously some basic LaTeX knowledge is necessary
      \item Some more features will be provided here
    \end{itemize}
  \end{block}

  \begin{block}{Beamer}
    \begin{itemize}
      \item You'll learn them by looking at this presentation
    \end{itemize}
  \end{block}

```



Learning Beamer-style

Objects of the slide Goals, part-II.



```
\begin{block}{Goal}
\begin{itemize}
  \item Learn how to make well structured slides
  \item Using a beautiful theme (congrats to the Oxygen t
  \item Take over the world
  \item Relax...
\end{itemize}
\end{block}
\end{frame}
```

Next slide shows the output of this source code!



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Learning Beamer-style

Objects of the slide Types of Block



```

\begin{frame}
  \frametitle{Different type of blocks}
  \framesubtitle{Weeeee! Colors!!}
  \begin{block}{Standard block}
    \begin{itemize}
      \item A standard block, used for grouping. It can contain
    \end{itemize}
  \end{block}
  \begin{alertblock}{Alert block}
    WARNING: Something very important inside this block!
  \end{alertblock}
  \begin{example}
    Note that examples are displayed as a special block...
  \end{example}
\end{frame}

```



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