

Unofficial IMAI Beamer Theme

Experimenting with Features

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1 Introduction

Why

Why use \LaTeX , when there are specialised presentation tools (LibreOffice Impress, Keynote, PowerPoint) available?

- **Look:** Layout of mathematical formulas and program code is much nicer
- **Reuse of material:** Generating handouts and presentations is easy – just use the same “codebase”
- **Portable solution:** You can use whichever operating system you or your co-workers like
- **Durable solution:** usually even very old \LaTeX code can be typeset with modern installations

2 Cool Stuff

Mathematics

Example 1.

$$\text{Hamming}(X, Y) = \sum_{i=1}^l f(x_i, y_i) \quad (1)$$

with $f(x, y)$ defined as follows:

Definition 2.

$$f(x, y) = \begin{cases} 0 & \text{iff } |x - y| \leq \epsilon_h \\ 1 & \text{else.} \end{cases} \quad (2)$$

Piecewise Text Modification

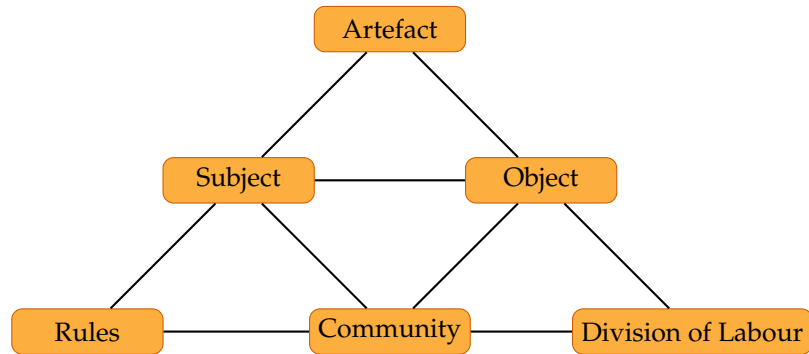
Shown on first slide. Shown on second slide. Shown on first slide.

- Shown on the second and the third slide.
- Shown from slide 3 onwards.

Shown from slide 3 onwards. Shown on all slides.

You get fine-grained control over which elements are visible at any given time.

Using TikZ for Drawings



3 Coloured Boxes

3.1 Alerts and Examples

Alert

Alert boxes direct the attention of the audience.

Lorem Ipsum

“Lorem ipsum dolor sit amet, consectetur.”

Non eram nescius, Brute, cum, quae summis ingeniis exquisitaque doctrina philosophi Graeco sermone tractavissent, ea Latinis litteris mandaremus, fore ut hic noster labor in varias reprehensiones incurreret.

Nam quibusdam Nam quibusdam, et iis quidem non admodum inductis, totum hoc displicet philosophari.

Nam quibusdam Nam quibusdam, et iis quidem non admodum inductis, totum hoc displicet philosophari.

Exampleblock

Examples are highlighted in a different colour.

Example 3. “Laoreet dolore magna ali quam erat volutprat.”

You can also use a custom title:

Comodo consequat

“Ut wisi enim ad mi nim veniam, quis nostrud exerci.”

3.2 Theorems and Definitions

Theorem

Theorems and definitions come in their own coloured boxes. A theorem:

Theorem 4. “Lorem ipsum dolor sit amet, consectetur.”

And a definition:

Definition 5. “Laoreet dolore magna ali quam erat volutprat.”

3.3 Other Boxes

Block

Coloured boxes can also be used for other content you want to highlight.

Comodo consequat

“Laoreet dolore magna ali quam erat volutprat.”

You can also create boxes with no header.

“Ut wisi enim ad mi nim veniam, quis nostrud exerci.”

Beamercolorbox

Simple coloured boxes are the least decorated way to draw attention to certain areas:

“Lorem ipsum dolor sit amet, consectetur.”

Quidam autem non tam id reprehendunt, si remissius agatur, sed tantum studium tamque multam operam ponendam in eo non arbitrantur.

Erunt etiam, et ii quidem eruditi Graecis litteris, contemnentes Latinas, qui se dicant in Graecis legendis operam malle consumere. Postremo aliquos futuros suspicor, qui me ad alias litteras vocent, genus hoc scribendi, etsi sit elegans, personae tamen et dignitatis esse negent.

4 Conclusions

Options

- **Corporate Identity:** [fbIcolors | fbIIcolors | fbIIIcolors | fbIVcolors] uses the corporate colours for the different departments
- **Section overview:** [sbtoc] will display section and subsection in the sidebar
- **Navigation:** [nonav | nav] do (not) display a navigation bar
- **Alternative logos:** [sblog=foo.png], [titlelogo=bar.pdf] will use the specified image files as logos
- **Logo sizes:** [sblogwidth=1cm], [titlelogowidth=6cm] will change logo width

Example 6. `\usetheme[right]{Hildesheim}`

Conclusions

- Colours of this theme are based on official colours
- Different colour schemes available:
 - Default scheme with official colours of the University of Hildesheim
 - One each for the 4 different departments fbIcolors-fbIVcolors
 - Bonus schemes based on the colours of the University of Lübeck and the Tango palette
- Feedback appreciated: jmt@cassens.org