

# Unofficial IMAI Beamer Theme

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medieninformatik

IMAI – Institut für  
Mathematik und  
Angewandte Informatik

# Outline

Introduction

Cool Stuff

Coloured Boxes

Conclusions

- 1 Introduction
- 2 Cool Stuff
- 3 Coloured Boxes
  - Alerts and Examples
  - Theorems and Definitions
  - Other Boxes
- 4 Conclusions

# Why

Introduction

Cool Stuff

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Conclusions

Why use  $\text{\LaTeX}$ , 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  $\text{\LaTeX}$  code can be typeset with modern installations

## Example

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

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

## Definition

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

# Piecewise Text Modification

Introduction

Cool Stuff

Coloured Boxes

Conclusions

Shown on first slide.  
slide.

Shown on first

Shown on all slides.

# Piecewise Text Modification

Introduction

Cool Stuff

Coloured Boxes

Conclusions

Shown on second slide.

- Shown on the second and the third slide.

Shown on all slides.

# Piecewise Text Modification

Introduction

Cool Stuff

Coloured Boxes

Conclusions

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

Shown from slide 3 onwards. Shown on all slides.

# Piecewise Text Modification

Introduction

Cool Stuff

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Conclusions

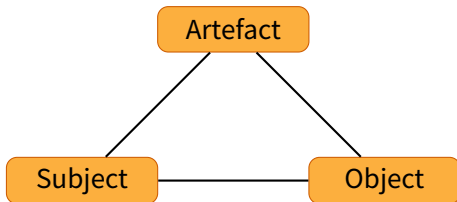
- Shown from slide 3 onwards.

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



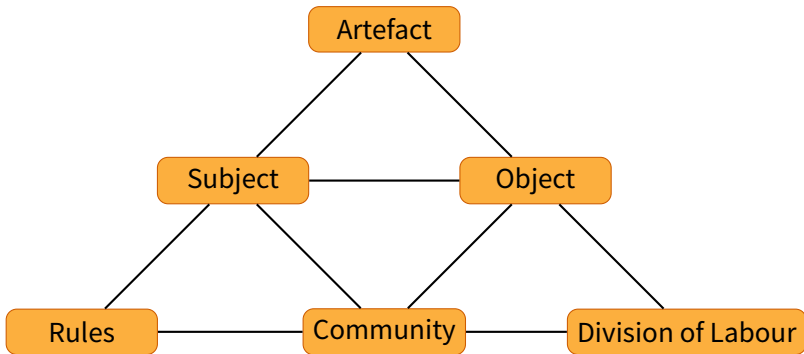
# Using TikZ for Drawings

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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 mandarem, fore ut hic noster labor in varias reprehensiones incurreret.

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

Examples are highlighted in a different colour.

## Example

“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.”

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

## Theorem

*“Lorem ipsum dolor sit amet, consectetur.”*

And a definition:

## Definition

“Laoreet dolore magna ali quam erat volutprat.”

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

Introduction

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Definitions

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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.

# 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

```
\usetheme[right]{Hildesheim}
```



- 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](mailto:jmt@cassens.org)

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