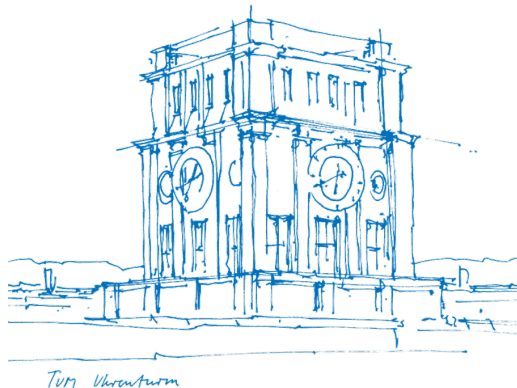# Example presentation
An introduction to ICE beamer

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TUM Uhrenturm

Usage of Table of Contents

TUM

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[0]The line spacing in the table of content is a still a problem to show the full structure.

Basics

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- This presentation is an adapted version of the TUM corporate design template.

- Instead of many .tex files it is now a self-contained class.

- To get it running, you require the file ICEbeamerTUMCD.cls and the folder "./resources"

- It's still horrible, but a little less than before.

Boxes

A blue box

Nice to highlight stuff, e.g., theorems, etc.

An orange box

Comes in four stylish colors.

A green box

Surprisingly, this command gives a green box.

Another blue box

Slightly darker blue box

Environment Boxes

Theorem (Important Stuff)

Same as *bluebox*, but with Theorem in the titlebox.

Definition (Define Stuff)

Same as *orangebox*, but with Definition in the titlebox.

Example (Exemplary Stuff)

Same as *greenbox*, but with Example in the titlebox.

Aspect Ratios

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- There are several different aspect ratios to choose from:
  - ▶ 16:9
  - ▶ 16:10
  - ▶ 4:3

- To choose one, pass it as an option to the class (see first line), without the ":".

In 16:9 and 16:10 slides are pretty wide.   So it often makes sense to split them vertically.

Colors

TUM

- The TUM colors and some additional colors "similar in style" are available
  - ► *TUMBlue / TUMBlau* - Pantone 300
  - ► *TUMBlueDark / TUMBlauDunkel* - Pantone 301
  - ► *TUMBlueLight / TUMBlauHell* - Pantone 283
  - ► *TUMBlueMedium / TUMBlauMittel* - Pantone 542
  - ► *TUMIvory / TUMElfenbein* - Pantone 7527
  - ► *TUMGreen / TUMGruen* - Pantone 383
  - ► *TUMGreenDark / TUMGruenDunkel*
  - ► RGB *TUMOrange* - Pantone 158
  - ► *TUMGrey / TUMGrau* - Grau 60
  - ► *TUMRed / TUMRot*

Fonts

TUM

Math Font:

If you really want, use the TUMCD math font (passing mathTUMCD enables the package mathptmx).

Most noticeable with calligraphic letters like $\mathcal{C}$ and $\mathcal{D}$.

Alternatively, you can add \usefonttheme[onlymath]{serif} before \begin{document} to change to

the math font used in most papers.

Text Font:

The TUM CD template uses Helvetica, but some might prefer to stick with the *lmodern* font of the

LNT templates. If you want to use Helvetica, pass the option *helvet* to the class.[1]

Titles are usually in the same font as the text. To use the $\mathrm{rm\ font}$ instead, pass *nicetitles* to the class.

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[1]Also, footnotes leave more space beneath them now.

Citations

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Citations in beamer were often dealt by pasting the full text in the footnote. The biblatex package provides a solution allowing you reuse your .bib file for presentations. Here are several ways of usage:

- cite full text in footnote[2]

- short citation with author and year in text (Author, 2006a)

- cite title in text "An Article"

- **For more usage please refer to Biblatex Cheat Sheet.*

Note that you need to run "**Biber**" instead of "BibTeX" to generate the .bbl file.

You can print all references that are cited at the end of presentation, as shown in the next slide.

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[2]Author, A. (2006a). An article. *A Journal With a Long Title*, (1), 1–10.

References I

Author, A. (2006a). An article. *A Journal With a Long Title*, (1), 1–10.

Author, A. (2006b). An article. *A Journal With a Non-Matching Long Title*, (1), 1–10.

Notes

TUM

Beamer has a *handout* mode that, e.g., doesn't print an extra slide for every *only* command. For printing and handing out to students it can also be convenient to leave some room for notes. When the option *notes* is passed **together** with the *handout* option, the output will be a A4 page with the bottom half empty for notes.

At the moment, this is the only layout that is implemented directly as a class option. For more layout see the comments before \\begin {document}

Passing the option *ruled* adds black lines to write on.