

Unofficial Uppsala Theme for Beamer

Frédéric Haziza <daz@it.uu.se>

Department of Computer Systems
Uppsala University

May 15, 2008



Outline

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



Why

Why use \LaTeX , when there are specialized presentations tools (OpenOffice.org Impress, Keynote, PowerPoint) available?

- Look: The layout of mathematical formulas and program text is much nicer. . . not to speak from ligatures in “ordinary” text
- Reuse of material: Going from a paper to a presentation is easy – just use the same “codebase”
- Portable solution: You can use whichever operating system you like
- Durable solution: usually even very old \LaTeX code can be typeset with modern installations

Mathematics

Example

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

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

Definition

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

Piecewise Text Modification

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

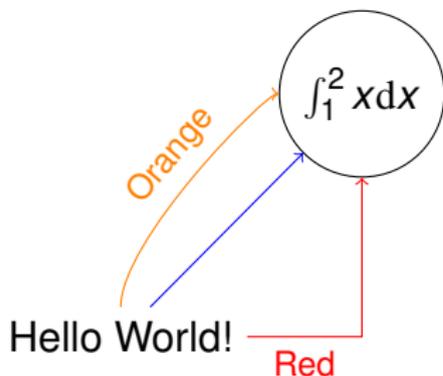
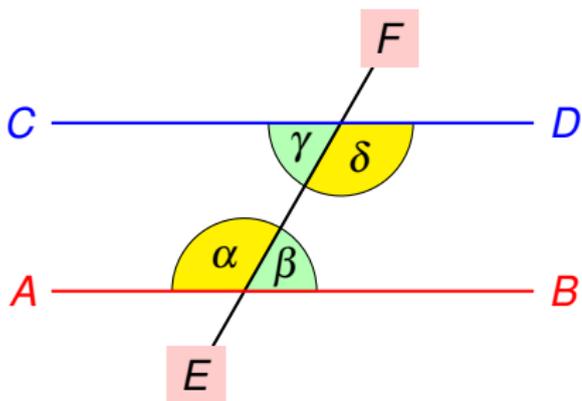
- Shown on the second and the third slide.
- Shown from slide 3 on.

Shown from slide 3 on. Shown on all slides.

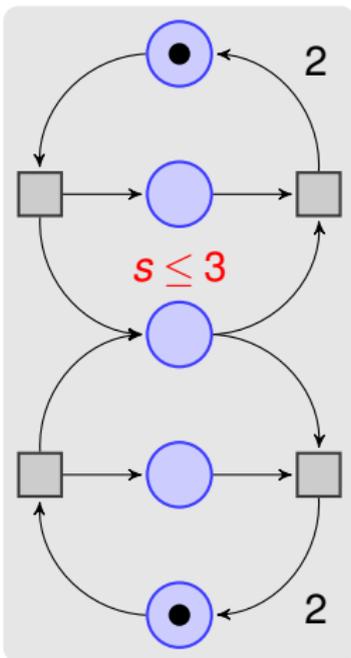
You get fine-grain control over which elements are visible at each time.



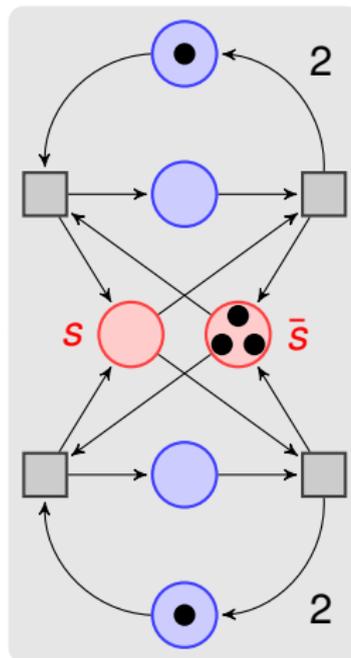
Using TikZ for Drawings



Using TikZ for Petri-Net



replacement
of the **capacity**
by **two places**



Alert

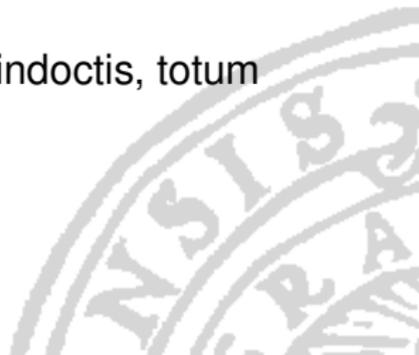
Alert boxes direct the attention of the audience.

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

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



Example block

Examples are also highlighted in a different colour, making them less obstrusive.

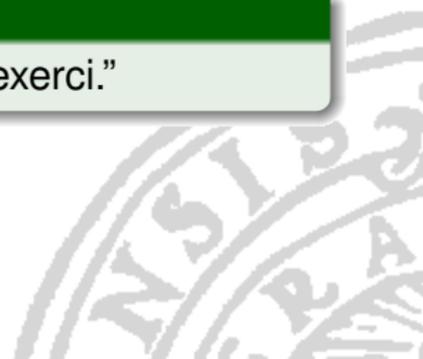
Example

“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.”



Theorem

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.”



Block

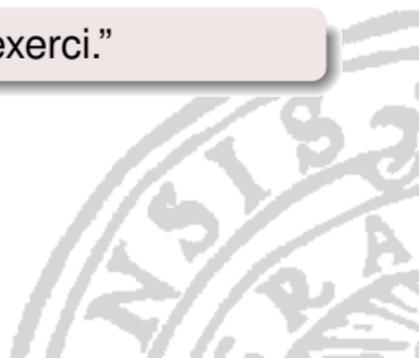
“UU Red” boxes can also be used for other content you want to highlight.

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.”



Beamer colorbox

Simple colored 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.

About the title and frame page

About the author

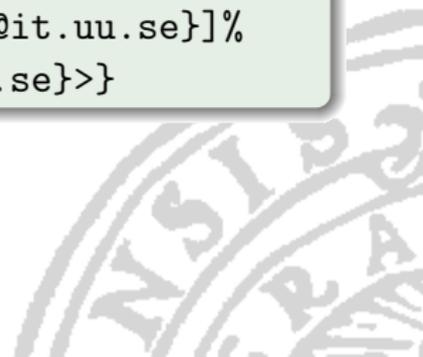
```
\author[<short author>]{<long author>}
```

The <short author> appears in the footline (right side)

The <long author> appears in the title page

Example

```
\author[Fr\'ed\'eric Haziza | \emph{daz@it.uu.se}]%  
{Fr\'ed\'eric Haziza <\texttt{daz@it.uu.se}>}
```



About the title and frame page

About the institute

```
\institute[<short institute>]{<long institute>}
```

The <short institute> appears in the footline (left side)

The <long institute> appears in the title page

Example

```
\institute[Dept. of Information Technology]%  
{  
  Department of Computer Systems\  
  Uppsala University  
}
```

About the title and frame page

About the date

```
\date[<short date>]{<long date>}
```

The <short date> appears in the bottom of the sidebar

The <long date> appears in the title page

Example

```
\date[2007-04-07]{Friday April 4th, 2008}
```



Options I

- **Navigation:** [withnav] use the (horizontal) navigation bar right over the footline
- **Logo:** [mylogo] Will use the supplied `\logo{...}` instead of the Uppsala Logo. Note that it should be the file path
- **Page numbers:** [nonumbers|totalnumber].
By default includes the number of the current slide in the footline. Use *nonumbers* to suppress it (along with the total number)
- **Section overview:**
[hideallsubsections|hideothersubsections]



Options II

- **Progress Bar:** [nopprogressbar] suppresses the vertical red line on the right side
- For the sidebar layout:
 - [subsectionsattop] Displays the subsections above the title, in grey. Underlines the current one.
 - [sectionpathattop] Displays <short title> › <section> › <subsection> in grey above the title

Example (My favorite)

```
\usetheme[hideothersubsections]{Uppsala}
```

Options – Wish list

Not yet implemented:

- **Color option:** [red|grey] sets the background colour accordingly
- **Minimal:** [minimal] minimal information, sober
- **Progress bar configuration**
- Add a small white round dot for each section we come across in the progress bar
- Progress bar with the same style as the table of content, using shading

Note

No guarantees are given of any kind.

L^AT_EX expert... no, I'm not ...so please help!

Conclusions

- Non official
- Suited for (long) scientific talks with UU style
- The colours used in this theme are based on “UU red” (and shades)
- The `hide[all|other]subsections` switch is useful if you are having (too) many (sub-) sections
- Several look & feel options
- Feedback appreciated: `daz@it.uu.se`

