

Unofficial NTNU “Scientific” Theme for Beamer

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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



Example

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

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

Definition

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

Piecewise Text Modification



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

- Shown on the second and the third slide.

Shown on all slides.

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

Piecewise Text Modification



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Piecewise Text Modification



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

Shown from slide 3 on. Shown on all slides.

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Piecewise Text Modification



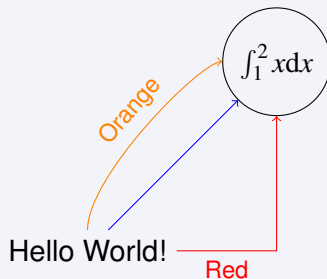
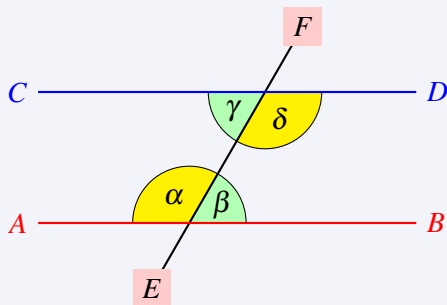
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Using TikZ for Drawings



Take a look into the **souce code** to see how this is done.

Including Movies



To watch the movie in an external player application, click on the picture above.

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

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



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.”



Blue 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.”



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.



- **Background colour:** [blue|sand] set the background colour accordingly
- **Logo:** [nynorsk|bokmaal|mylogo|nologo] use one of the norwegian versions of the logo on the titlepage, your logo, or no logo at all
- **Page numbers:** [numbers] will include the number of the current slide in the footer
- **Section overview:** [compress|minmal] will only show the current section and subsection in the header or no section overview at all

Example

```
\usetheme[blue,compress,numbers,bokmaal]{Trondheim}
```

Conclusions



- Theme based on Warsaw theme that comes with Beamer
- It is in my opinion better suited for scientific talks than the official NTNU style
- The colours used in this theme are based on the official “NTNU blue” plus darker and lighter variants
- The compress switch is useful if you are having (too) many (sub-) sections
- Options sand and blue for a slightly coloured background
- Feedback appreciated: `jorg.cassens@idi.ntnu.no`
- If you still want to use a theme which copies the official design: Håvard Berland has created a nice **Beamer theme**