



1920 | 2020

Beamer example

Usage of the theme OsloMet

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Photo: Minerva

Table of contents

- 1 Overview**
- 2 Mathematics**
 - Theorem
 - Example
- 3 Highlighting**
- 4 Lists**
- 5 Effects**
- 6 References**



Mathematics

Theorem (Fermat's little theorem)

For a prime p and $a \in \mathbb{Z}$ it holds that $a^p \equiv a \pmod{p}$.

Proof.

The invertible elements in a field form a group under multiplication. In particular, the elements

$$1, 2, \dots, p-1 \in \mathbb{Z}_p$$

form a group under multiplication modulo p . This is a group of order $p-1$. For $a \in \mathbb{Z}_p$ and $a \neq 0$ we thus get $a^{p-1} = 1 \in \mathbb{Z}_p$. The claim follows. ■

Mathematics

Example

The function $\varphi: \mathbb{R} \rightarrow \mathbb{R}$ given by $\varphi(x) = 2x$ is continuous at the point $x = \alpha$, because if $\epsilon > 0$ and $x \in \mathbb{R}$ is such that $|x - \alpha| < \delta = \frac{\epsilon}{2}$, then

$$|\varphi(x) - \varphi(\alpha)| = 2|x - \alpha| < 2\delta = \epsilon.$$

Highlighting

Highlighting

Some times it is useful to **highlight** certain words in the text.

Important message

If a lot of text should be **highlighted**, it is a good idea to put it in a box.

You can also highlight with the **structure** colour.



Lists

- Bullet lists are marked with a yellow box.
- 1 Numbered lists are marked with a black number inside a yellow box.

Description highlights important words with blue text.

Items in numbered lists like 1 can be referenced with a yellow box.

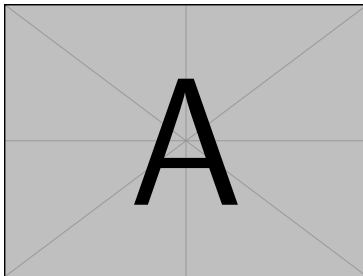
Example

- Lists change colour after the environment.

Effects

1 Effects that control

Use textblock for arbitrary placement of objects.



Effects

- 1 Effects that control
- 2 when text is displayed

Use **textblock** for arbitrary placement of objects.

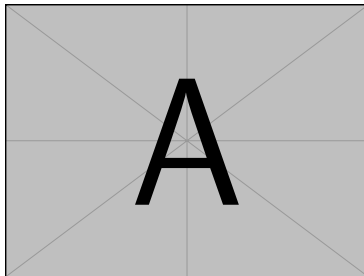
Theorem

This theorem is only visible on slide number 2.

Effects

- 1 Effects that control
- 2 when text is displayed
- 3 are specified with `<>` and a list of slides.

Use **textblock** for arbitrary placement of objects.



Effects

- 1 Effects that control
- 2 when text is displayed
- 3 are specified with `<>` and a list of slides.

Use **textblock** for arbitrary placement of objects.



Effects

- 1 Effects that control
- 2 when text is displayed
- 3 are specified with `<>` and a list of slides.

Use **textblock** for arbitrary placement of objects.

It creates a box with the specified width (here in a percentage of the slide's width) and upper left corner at the specified coordinate (x, y) (here x is a percentage of width and y a percentage of height).



References I



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Algebraic Geometry.
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Introduction to commutative algebra.
Addison-Wesley Publishing Co., Reading, Mass.-London-Don Mills, Ont., 1969



References II

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A first course in abstract algebra.

Addison-Wesley Publishing Co., Reading, Mass.-London-Don Mills, Ont., 1967

