

Beamer example

Usage of the theme Uib

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Ordinary table of contents



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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

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.

It is easy to match the colour theme.



Lists

- Bullet lists are marked with a red box.
- 1 Numbered lists are marked with a white number inside a red box.

Description highlights important words with red text.

Example

- Lists change colour after the environment.



References I



R. Hartshorne.
Algebraic Geometry.
Springer-Verlag, 1977.



M. Artin.
On isolated rational singularities of surfaces.
Amer. J. Math., 80(1):129–136, 1966.



R. Vakil.
The moduli space of curves and Gromov–Witten theory, 2006.
<http://arxiv.org/abs/math/0602347>

- ▶ M. Atiyah og I. Macdonald.

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



References II

[5] J. Fraleigh.

A first course in abstract algebra.

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

