Beamer example

Usage of the theme `UiB`

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Ordinary table of contents

Table of contents that highlights the current section

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

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

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 $\varphi\colon \mathbb{R} \to \mathbb{R}$ 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


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