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Beamer example
Showcasing the theme STORM

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 $\phi\colon \mathbb{R} \to \mathbb{R}$ given by $\phi(x) = 2x$ 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

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

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 color theme.

Here I have introduced some new personal blocks that are really simple.
They come in 3 colors:

blueblock

in blue

redblock

in red

redblock

in green

Also you can have the same blocks with a line, by just writing

linedblueblock

for blue

linedredblock

for red

linedgreenblock

for green

the line has a standard size, but if you want it longer you can write

longlinedblueblock

And have something like this. This block only comes in blue

Lists

- Bullet lists are marked with box.

1. Numbered lists are marked with a number inside a box.

Description highlights important words with the structure color.

Example

- Lists change color after the environment.

References I

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On isolated rational singularities of surfaces.
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🌐 R. Vakil.
The moduli space of curves and Gromov–Witten theory, 2006.
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▶ 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.
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