ON THE MABEAMER THEME

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MAIN GOALS

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The main goal of this project is to provide a theme that does not distract from the content.

WHAT WAS DONE

- Got rid of navigational or structural baggage
- Got rid of ugly itemizations
  - First level: small squares
  - Second level: smaller squares

WHAT NEEDS TO BE DONE

- Uniform syntax for various blocks
- Allow line breaks in `equationblocks`; obviate need for `equationframe`
- Obviate need for `\nosubsections`

- Using a modern font helps forgetting that these are Beamer slides
- Not using standard beamer colors makes a more professional impression

SECTIONS WITHOUT SUBSECTIONS

Sections without subsections are currently ignored in table of contents unless followed by `\nosubsections`

THEOREM

There are irrational numbers r, s such that r^s is rational.

In my opinion, math such as $\sqrt{2}^{\sqrt{2}}$ or

$$\sqrt{2}^{\sqrt{2}^{\sqrt{2}}} = \exp(\sqrt{2}\log\sqrt{2}^{\sqrt{2}}) = \exp(\log 2) = 2$$

looks better when typeset in a math font rather than the usual Beamer font $\qquad\square$

- Important equations can be set in `equationblock` environments:

$$5^2 \approx 4! = \exp\left(\int x^4 \exp(-x) \, dx\right)$$

- Long equations are automatically fitted within equationblocks, and can be named; or they can be linebroken and put into `equationframe`

RADEMACHER'S FORMULA

$$p(n) = \frac{1}{\pi\sqrt{2}} \sum_{k=1}^{\infty} \sqrt{k} A_k(n) \frac{\mathrm{d}}{\mathrm{d}n} \left(\frac{1}{\sqrt{n - \frac{1}{24}}} \sinh\left[\frac{\pi}{k}\sqrt{\frac{2}{3}\left(n - \frac{1}{24}\right)}\right] \right)$$

ALARM, ALARM!

To alert, use `alertblocks`. For code snippets use `lstlisting`

```
1    \begin{alertblock}[Alerts]
2    To alert use \texttt{alertblocks}, for
         code snippets use \texttt{
       lstlisting}
3    ...
4    \end{alertblock}
```

One test citation[1] is not as good as two[2]. Zero footnotes[3] are better than one.

_____

[1] Adams and Fournier 2003.
[2] Alexanderian et al. 2016.
[3] which can be created using the footnote command

FOOTNOTES

Footnotes are counted with the same counter as citations. However, there is no point in counting footnotes across the presentation[1]

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[1]Right?
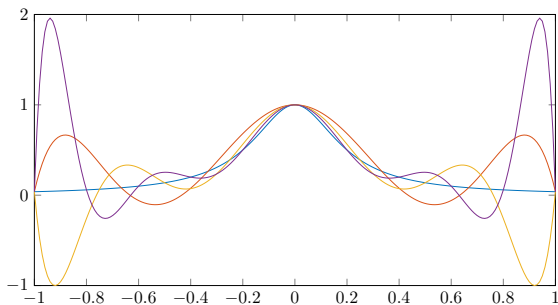
Figure: Runge's function and polynomial approximations. Observe that figures don't need numbering, just as Theorems.

1. Eins
   1.1 Einseins
      1.1.1 Einseinseins

- Eins
  - Einseins
    - Einseinseins

TABLES

Option	Auswirkung
noflama	Falls Sie die Schrift Flama nicht besitzen können Sie mit dieser Option auf die Schrift Arial umschalten.
noserifmath	Formeln werden ebenfalls serifenlos gesetzt.
nosectionpages	Die Sektionseinleitungsseiten werden ausgeblendet.

Table: Not everyone understands German

MAIN GOALS

EXAMPLE USAGE
STANDARD EXTRA

- Call package as

```
1   \usetheme[displaysection]{mabeamer}
```

to display section name on each frame

> ⚠
>
> Using `lstlisting` (as in the gray box above) within an itemize environment requires `\begin{frame}[fragile]` and requires using no indent in the text (otherwise will get leading whitespace)

- For remarks, use `remarkblocks`:

> **PYTHAGORAS**
>
> $$a^2 + b^2 = c^2$$

$\left(\right.$ Extension to general triangles are possible, but are beyond scope of this presentation $\left.\right)$