Transparent shadows

v3.60/64/70

Based originally on PR #469 by Andrey Paramonov in v3.51

Before

After
Flexible interpretation of aspectratio option v3.65

Starting point:
limited set predefined options, e.g. 4:3, 16:9, ...

Now on-the-fly calculation of unknown options

- 2 digits: aspectratio=23 as 2:3
- 3 digits: aspectratio=137 as 13:7 (always landscape)
- 4 digits: aspectratio=4310 as 43:10

(frame height always 96 mm, width gets adjusted accordingly)
\begin{columns}:

\begin{columns}[onlytextwidth]:

\end{columns}
PR #696 by Erich Schubert to add a stretchable frame option

\begin{frame}[s]

(needs stretchable material, e.g. \vfill)
New templates:
- title
- author
- institute
- date
- titlegraphic

Example:
```
\addtobeamertemplate{author}{}
{Supervisor: Name}
```
Lined note page template

Inspired by the handoutWithNotes package by Guido Diepen/Marei Peischl

Usage:

\setbeamertemplate{note page}[lined]
\setbeamertemplate{note page}[lined][5]
Usage: `\usebeamertemplate{page number in head/foot}`

Predefined options:

- default
- `framenumber` 9
- `totalframenumber` 9 / 14
- `appendixframenumber` 9 / 13
- `pagenumber` 9
- `totalpagenumber` 9 / 16

(the `appendixframenumber` option was inspired by the `appendixnumberbeamer` package by Jérôme Lelong)
\tableofcontents[
  firstsection=2,
  lastsection=3
]

Introduction

1. Duck

2. Mouse

3. Bear

Summary
There Is No Largest Prime Number

The proof uses reductio ad absurdum.

### Theorem

There is no largest prime number.

### Proof.

1. Suppose $p$ were the largest prime number.
2. Let $q$ be the product of the first $p$ numbers.
3. Then $q + 1$ is not divisible by any of them.
4. Thus $q + 1$ is also prime and greater than $p$. 

There Is No Largest Prime Number
Euklid
Results
Proof of the Main Theorem
There Is No Largest Prime Number
Euklid
Results
Proof of the Main Theorem
There Is No Largest Prime Number
Euklid
Results
Proof of the Main Theorem
Calculation of frame geometry

Introduction

Options
- rounded
- shaded
- showtitle
- inmargin
- blocks
- titlepage

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
...and many more things

Announcements
https://www.ctan.org/ctan-ann/pkg/beamer

Change log
https://github.com/josephwright/beamer/blob/main/CHANGELOG.md