Documentation *acmebeamer*

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February 7, 2011

Overview

Minor additions

- Title page
- Table of contents
- Page numbers
- Head/Footline
- Frametitle

Extra features

- S(uper)itemize environment
- Blocks on steroids
- One more thing

Title page

- Use \maketitle to typeset title page.
- Use \setbeamertemplate to set title page.
- Use \titlegraphic to set value of \inserttitlegraphic.

- \maketitle[⟨*options to* \setuptitlepage*[...]*⟩]
      [⟨*options to* \begin{frame}*[...]*⟩]
- Use \setuptitlepage[...] to set options.
  - lineoffset: line v-position of default template;
  - logo: institute or <u>none</u>;
  - customlogo: set value of \logo.

Table of contents

Use \frametoc to typeset table of contents. **Beware**, optional argument comes **after** frametitle (possibly left empty).

\frametoc{⟨*title*⟩}[⟨*options to* \tableofcontents[...]⟩]

Page numbers

Use \setuppagenumbers[...] to set options.

- ▶ style: plain, boxed or <u>none</u>;
- ▶ custom: set value directly.

Head/Footline

Use \setupheadline/\setupfootline[...] to set options.

- left/center/right: (sub)section, title, subtitle, author, date (all short version), page numbers or <u>empty</u>;
- {left|center|right}/subsection: <u>text</u> (same as ...=subsection), bullets or squares;
- frame: passed to containing \framed[...]{...} (see extra features at end of document).

Frametitle

- `frametitle` template modified to reclaim space if no title. Subtitle use space always, empty or not (may change).
- **New feature: automatic titles.** Enable with `\acmeframetitlehack` (included at end of `\maketitle`).

- No title provided: subsection if not empty, or else section, or else empty template (with typeset subtitle if provided).
- Title provided: normal behaviour.
  - `\begin{frame}{⟨title⟩}{⟨subtitle⟩}...\end{frame}`;
  - `\begin{frame}`
      `\frametitle{⟨title⟩}`
      `\framesubtitle{⟨subtitle⟩}`
      `...`
    `\end{frame}`

S(uper)itemize environment

New environment: choose level of itemization.

Use \begin{sitemize}[⟨*offset*⟩]...\end{sitemize}; can be 1, 2 or 3, *relative to current nesting level*.

General overview

- Title becomes optional **but still in braces**; then new options
  \begin{⟨block⟩}{⟨title⟩}[⟨options⟩]...\end{⟨block⟩}.

- Options
  - `width`: set width of block;   whole block
  - `color`: *xcolor* or *beamer* color name;   whole block
  - `align`: default, flushleft, flushright,
    center, top, bottom, middle or {X,Y};   whole block
  - `title/bodycolor`: *xcolor* or *beamer* color name;   title/body
  - `title/bodystyle`: set style (mostly font);   title/body
  - `title/bodyalign`: see above;   title/body
  - `bodyheight`: set height of body part.   body

- Advanced options
  title/bodycustomframe, title/bodycustombackground
  and title/bodyoptions, all three passed to \framed.

Blocks on steroids

New and customized blocks

- Create with \defineblock(s)[⟨name(,...)⟩][⟨options⟩]
  - **inherit defaults**: use \defineblock[⟨name⟩][⟨overide⟩];
  - **copy a block**: use \defineblock[⟨to⟩][⟨from⟩];
  - same with plural form, only several new block names.

- Customize with \setupblock(s)[⟨name(,...)⟩][⟨options⟩]
  - **set all**: use \setupblocks[⟨options⟩];
  - **set specific block(s)**: use
    \setupblock(s)[⟨name(,...)⟩][⟨options⟩].

See previous page for available options.

Bad interaction between text and lists

Use \fixvspace around lists to prevent bad interactions with text inside blocks.

Example

```
\begin{block}{Nice title}[color=yellow]
  Blah, blah, blah...
  \fixvspace
  \begin{itemize}
    \item one
    \item two
  \end{itemize}
  \fixvspace
  Blah, blah, blah...
\end{block}
```

Welcome `framed` & `framedtext` from *acmetoolbox*

- ▶ Frame small snippets with \framed[⟨*options*⟩]{...} &
  \inframe[⟨*options*⟩]{...}
  - ▶ `width`, `height`*: dimensions of the box;
  - ▶ `frame`†: on or off;
  - ▶ `margin`†: dimension *outside* the box, contribute to `width`/`height`;
  - ▶ `offset`†: dimension *inside* the box;
  - ▶ `align`: default, flushleft, flushright, center, top, bottom,
    middle or {X,Y};
  - ▶ `left`/`right`/`top`/`bottom`: added material around content;
  - ▶ `customframe`: custom TikZ commands to draw frame;
  - ▶ `custombackground`: custom TikZ commands to draw background;
  - ▶ `tikzoptions`: passed to `tikzpicture` environment.

- ▶ Frame larger chunks with
  \begin{framedtext}[⟨*options*⟩]...\end{framedtext}
  Same options as \framed, only `width` defaults to \textwidth.

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*Can be preceded by {min|max}, e.g. `maxwidth=0.8\textwidth`.
†Can be preceded by {left|right|top|bottom}, e.g. `rightframe=on`.

One more thing

Highlight text and pieces of equations conveniently

- ▶ Use \hl<⟨*spec*⟩>[⟨*options*⟩]{⟨*text*⟩} to mark text.
- ▶ Use \placehlmark[⟨*name*⟩]{⟨*text*⟩} to place a named mark.
- ▶ Use \hlmarks[⟨*options*⟩]{⟨(n1) (n2) ...⟩} to highlight marks named n1, n2, ...