

# Documentation *acmebeammer*

Cédric Maclair

Onera/DTIM

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[...]\rangle  
[⟨options to \begin{frame}[...]\rangle]`
  - ▶ Use `\setuptitlepage[...]` to set options.
    - ▶ `lineoffset`: line v-position of default template;
    - ▶ `logo`: `institute` or `none`;
    - ▶ `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 none;
- ▶ 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 empty;
- ▶ `{left|center|right}/subsection`:  
text (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}{\langle title \rangle}{\langle subtitle \rangle}...\end{frame};`
  - ★ `\begin{frame}`
    - `\frametitle{\langle title \rangle}`
    - `\framesubtitle{\langle subtitle \rangle}`
    - `...`
  - `\end{frame}`

# S(uper)itemize environment

**New environment: choose level of itemization.**

Use `\begin{sitemize}[\langle offset \rangle] \dots \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
  - ▶ block/title/bodyoptions: set framed options. block/title/body
- ▶ Advanced options  
title/bodycustomframe, title/bodycustombackground  
and title/bodyoptions, all three passed to `\framed`.

## New and customized blocks

- ▶ Create with `\defineblock(s)[⟨name(,...)⟩][⟨options⟩]`
  - ▶ **inherit defaults**: use `\defineblock[⟨name⟩][⟨override⟩];`
  - ▶ **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.

# One more thing

(1/2)

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`.

---

\*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

(2/2)

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`, ...