

# A beamer theme for the typesetting of presentations at the Masaryk University, Brno

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## Abstract

This document details the design and the implementation of the mubeamer theme for the beamer  $\LaTeX 2_{\epsilon}$  class [1]. The theme is intended to be used across the Masaryk University in Brno and is loosely based on a theme developed by Aleš Křenek for the Institute of Computer Science at the Masaryk University in Brno<sup>1</sup>. Included is technical documentation for anyone who wishes to modify the class as well as information on the basic usage for the ordinary user.

```
1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{beamerthemeMU}[2017/08/29]
3 \mode<presentation>
```

## Contents

<b>1 Requirements</b>	<b>2</b>
1.1 Required $\TeX$ Engine	2
1.2 Required Packages	2
<b>2 Basic Usage</b>	<b>2</b>
<b>3 Package Options</b>	<b>3</b>
3.1 Defining the Options	3
3.2 Processing the Options	5
<b>4 Filenames and Pathnames</b>	<b>7</b>
4.1 Logos and Labels	7
4.2 Patch Files	9

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<sup>1</sup>The original beamer theme developed by Aleš Křenek is available internally at <https://sablony.muni.cz/pracoviste/nefakultni-pracoviste/uvst/ostatni/tex-prezentace/tex-prezentace>.

<b>5</b>	<b>Layout and Design</b>	<b>9</b>
5.1	Lengths	9
5.1.1	Spacing	9
5.1.2	Label and Logo Size	10
5.2	Colors	10
5.2.1	Basic Palette	10
5.2.2	Faculty Colors	11
5.3	Beamer Settings	11
5.3.1	Themes	11
5.3.2	Dimensions	11
5.3.3	Templates	11
5.3.4	Fonts and Colors	13
<b>6</b>	<b>Applying Patch Files</b>	<b>14</b>

## List of Tables

1	The work places recognized at the Masaryk University in Brno	4
2	The impact of optical scaling on the readability of small text	7

## 1 Requirements

### 1.1 Required T<sub>E</sub>X Engine

Mubeamer should work out-of-box with all conventional T<sub>E</sub>X engines (T<sub>E</sub>X,  $\varepsilon$ -T<sub>E</sub>X, pdfT<sub>E</sub>X, LuaT<sub>E</sub>X, XeT<sub>E</sub>X) both in DVI and PDF mode.

### 1.2 Required Packages

Mubeamer requires the etoolbox package to patch the `\includegraphics` command in section 4.

```
4 \RequirePackage{etoolbox}
```

Optional packages include font packages as documented in section 3.2.

## 2 Basic Usage

To use mubeamer, specify `\usetheme[options]{MU}` in the preamble of your beamer document; the available *options* are documented in section 3. Inside your document, you can use the standard markup provided by the L<sup>A</sup>T<sub>E</sub>X beamer class [1]. To get started quickly, inspect the example files distributed alongside mubeamer.

## 3 Package Options

### 3.1 Defining the Options

<code>\mubeamer@option@locale</code>	<p>The <code>locale=<i>&lt;language name&gt;</i></code> specifies the language that will determine which labels and logos are displayed. <i>When the locale option is unspecified, the main language of the babel and polyglossia packages is used. If neither package is available, locale=english is used.</i></p> <pre> 5 \DeclareOptionBeamer{locale}{\def\mubeamer@option@locale{#1}} 6 \ExecuteOptionsBeamer{locale={% 7   \ifundefined{language#1}{english}{\language#1}}} </pre>
<code>\mubeamer@option@workplace</code>	<p>The <code>workplace=<i>&lt;work place&gt;</i></code> specifies the work place whose the labels and logos that will be displayed. The <i>&lt;work place&gt;</i>s recognized at the Masaryk University in Brno are outlined in table 1. <i>When the workplace option is unspecified, workplace=mu is used.</i></p> <pre> 8 \DeclareOptionBeamer{workplace}{\def\mubeamer@option@workplace{#1}} 9 \ExecuteOptionsBeamer{workplace=mu} </pre>
<code>\ifmubeamer@option@fonts</code> <code>\ifmubeamer@option@scaling</code>	<p>The <code>fonts=<i>&lt;regime&gt;</i></code> option specifies how mubeamer sets up the default font families. The following <i>&lt;regime&gt;</i>s are recognized:</p> <ul style="list-style-type: none"> <li>• <code>fonts=none</code> will make no changes to the currently set up font families.</li> <li>• <code>fonts=basic</code> will make the PT Sans and PT Mono font families [2] the default sans-serif and monospace font families.</li> <li>• <code>fonts=scaled</code> is the default option when the <code>fonts</code> option is unspecified. Like <code>fonts=basic</code>, the scaled <i>&lt;regime&gt;</i> will make PT Sans and PT Mono the default sans-serif and monospace font families. On top of that, the PT Sans Caption font family will become the default sans-serif family at small font sizes to improve readability; the mechanism is documented in section 3.2.</li> </ul> <pre> 10 \newif\ifmubeamer@option@fonts 11 \newif\ifmubeamer@option@scaling 12 \def\mubeamer@temp@option@fonts@none{none} 13 \def\mubeamer@temp@option@fonts@basic{basic} 14 \def\mubeamer@temp@option@fonts@scaled{scaled} 15 \DeclareOptionBeamer{fonts}{% 16   \def\mubeamer@temp@option@arg{#1}% 17   \ifx\mubeamer@temp@option@arg\mubeamer@temp@option@fonts@none 18     \mubeamer@option@fontsfalse 19     \mubeamer@option@scalingfalse 20   \else 21     \ifx\mubeamer@temp@option@arg\mubeamer@temp@option@fonts@basic 22       \mubeamer@option@fontstrue 23       \mubeamer@option@scalingfalse 24     \else 25       \ifx\mubeamer@temp@option@arg\mubeamer@temp@option@fonts@scaled </pre>

Work place	<i>⟨work place⟩</i>
University Archives	arch
Central European Institute of Technology	ceitec
Cerit	cerit
Technology Transfer Office	ctt
Centre for International Cooperation	czs
Faculty of Economics and Administration	econ
Faculty of Informatics	fi
Faculty of Sports Studies	fsps
Faculty of Social Studies	fss
Institute for Biostatistics and Analyses	iba
Institute of Computer Science	ics
Information System of Masaryk University	is
Career Centre	kariera
Language Centre	lang
Faculty of Law	law
Faculty of Medicine	med
Masaryk University	mu
Mendel Museum	muzeu
Faculty of Education	ped
Faculty of Arts	phil
Masaryk University Press	press
Central Management Structure of the Ceitec Project	ptceitec
Rector's Office	rect
Faculty of Science	sci
Accommodation and Catering Services	skm
Support Centre for Students with Special Needs	teiresias
Management of the University Campus at Bohunice	ucb
University Center Telč	uct

Table 1: The work places recognized at the Masaryk University in Brno

```

26     \mubeamer@option@fontstrue
27     \mubeamer@option@scalingtrue
28   \else
29     \PackageError{beamerthemeMU}%
30       {fonts=#1 is not a valid option}%
31       {fonts={none|basic|scaled} are the only valid options}%
32   \fi
33 \fi
34 \fi
35 }
36 \ExecuteOptionsBeamer{fonts=scaled}

```

`\ifmubeamer@option@gray` The gray option makes all labels and logos gray, whereas the color option makes them colored. *The color option is the default when neither option is specified.*

```

37 \newif\ifmubeamer@option@gray
38 \DeclareOptionBeamer{gray}{\mubeamer@option@graytrue}
39 \DeclareOptionBeamer{color}{\mubeamer@option@grayfalse}
40 \ExecuteOptionsBeamer{color}

```

## 3.2 Processing the Options

```
41 \ProcessOptionsBeamer
```

If the `fonts=basic` or the `fonts=scaled` option is specified, we load the `PTSans` and `PTMono` packages. This will make the PT Sans and PT Mono font families the default sans-serif and monospace font families. Since the packages do not handle font selection for  $\text{\LaTeX}$  and  $\text{\LuaTeX}$ , we load the fonts manually in these  $\text{\TeX}$  engines using commands from the `fontspec` package, which we assume the user has already loaded themselves.

`\ifmubeamer@scaling@enabled` If the `fonts=scaled` option is specified, we will load the `PTSansCaption` package and we patch the  $\text{\LaTeX}$  font size commands, so that switching to `\scriptsize` and below will:

```

\mubeamer@scaling@family@basic
\mubeamer@scaling@family@caption
\mubeamer@scaling@apply

```

- change the default sans-serif family to PT Sans Caption if PT Sans is the current default sans-serif family, and
- change the current font family to PT Sans Caption if PT Sans is the current font family.

Switching to `\small` and above will do the reverse.

```

42 \ifmubeamer@option@scaling
43   \RequirePackage{PTSansCaption}
44   \@ifpackageloaded{fontspec}{
45     \newfontfamily\mubeamer@temp@fontname
46       [NFSSFamily=PTSansCaption-TLF]{PT Sans Caption}
47   }{}
48 \fi
49 \ifmubeamer@option@fonts
50   \RequirePackage{PTSans}

```

```

51 \RequirePackage{PTMono}
52 \@ifpackageloaded{fontspec}{
53   \newfontfamily\mubeamer@temp@fontname
54     [NFSSFamily=PTSans-TLF]{PT Sans}
55   \newfontfamily\mubeamer@temp@fontname
56     [NFSSFamily=PTMono-TLF]{PT Mono}
57 }{}
58 \fi
59 \newif\ifmubeamer@scaling@enabled
60 \ifmubeamer@option@scaling
61   \def\mubeamer@scaling@family@basic{PTSans-TLF}
62   \def\mubeamer@scaling@family@caption{PTSansCaption-TLF}
63   \mubeamer@scaling@enabledtrue
64   \def\mubeamer@scaling@apply #1 (#2 -> #3){%
65     \expandafter\let\expandafter\mubeamer@temp@fontsize
66       \csname #1\endcsname
67     \expandafter\let\csname mubeamer@original@#1\endcsname
68       \mubeamer@temp@fontsize
69     \expandafter\def\csname #1\endcsname{%
70       \ifmubeamer@scaling@enabled
71         \expandafter\ifx\csname mubeamer@scaling@family@#2\endcsname
72           \sfbasic\expandafter\let\expandafter\sfdefault
73             \csname mubeamer@scaling@family@#3\endcsname
74         \fi
75         \expandafter\ifx\csname mubeamer@scaling@family@#2\endcsname
76           \f@family\expandafter\fontfamily
77             \csname mubeamer@scaling@family@#3\endcsname\selectfont
78         \fi
79       \fi
80       \csname mubeamer@original@#1\endcsname}}
81   \mubeamer@scaling@apply Huge      (caption -> basic)
82   \mubeamer@scaling@apply huge      (caption -> basic)
83   \mubeamer@scaling@apply LARGE     (caption -> basic)
84   \mubeamer@scaling@apply Large     (caption -> basic)
85   \mubeamer@scaling@apply large     (caption -> basic)
86   \mubeamer@scaling@apply normalsize (caption -> basic)
87   \mubeamer@scaling@apply small     (caption -> basic)
88   \mubeamer@scaling@apply footnotesize (basic -> caption)
89   \mubeamer@scaling@apply scriptsize (basic -> caption)
90   \mubeamer@scaling@apply tiny      (basic -> caption)
91 \fi

```

Table 2 shows how switching to PT Sans Caption at small font sizes improves readability.

\mubeamer@option@locale@logo \mubeamer@option@locale@{logo,label} specify separately the locale for logos and for labels. Both commands inherit the value of \mubeamer@option@locale.

```

92 \def\mubeamer@option@locale@logo{\mubeamer@option@locale}
93 \def\mubeamer@option@locale@label{\mubeamer@option@locale}

```

	Without optical scaling	With optical scaling
\Huge	PTSans-TLF	PTSans-TLF
\huge	PTSans-TLF	PTSans-TLF
\LARGE	PTSans-TLF	PTSans-TLF
\Large	PTSans-TLF	PTSans-TLF
\large	PTSans-TLF	PTSans-TLF
\normalsize	PTSans-TLF	PTSans-TLF
\small	PTSans-TLF	PTSans-TLF
\footnotesize	PTSans-TLF	PTSansCaption-TLF
\scriptsize	PTSans-TLF	PTSansCaption-TLF
\tiny	PTSans-TLF	PTSansCaption-TLF

Table 2: The impact of optical scaling on the readability of small text

## 4 Filenames and Pathnames

`\mubeamer@pathname@base` `\mubeamer@pathname@base` is the pathname of the base directory containing logo, label either directly or in subdirectories.

```
94 \def\mubeamer@pathname@base{\mubeamer/}
```

### 4.1 Logos and Labels

`\mubeamer@pathname@logo` `\mubeamer@pathname@logo` is the pathname of the base directory directly containing logo files.

```
95 \def\mubeamer@pathname@logo{\mubeamer@pathname@base logo/}
```

`\mubeamer@pathname@label` `\mubeamer@pathname@label` is the pathname of the base directory directly containing label files.

```
96 \def\mubeamer@pathname@label{\mubeamer@pathname@base label/}
```

`\mubeamer@filename@logo` `\mubeamer@filename@logo` is the filename of the logo that will be displayed at the bottom of the title page.

```
97 \def\mubeamer@filename@logo{%
98   \mubeamer@pathname@logo mubeamer-\mubeamer@option@workplace-%
99   \mubeamer@option@locale@logo
100   \ifmubeamer@option@gray\else
101     -color%
102   \fi}
```

`\mubeamer@filename@logo@fallback` `\mubeamer@filename@logo@fallback` is the filename of the logo that will be displayed at the bottom of the title page if `\mubeamer@filename@logo` is not found.

```
103 \def\mubeamer@filename@logo@fallback{%
104   \mubeamer@pathname@logo mubeamer-\mubeamer@option@workplace-english%
105   \ifmubeamer@option@gray\else
```

```

106     -color%
107     \fi}

\mubeamer@filename@logo@lastresort \mubeamer@filename@logo@lastresort is the filename of the logo that will be
displayed at the bottom of the title page if \mubeamer@filename@logo@fallback
is not found.
108 \def\mubeamer@filename@logo@lastresort{%
109     \mubeamer@pathname@logo mubeamer-mu-english%
110     \ifmubeamer@option@gray\else
111         -color%
112     \fi}

\mubeamer@filename@label \mubeamer@filename@label is the filename of the label that will be displayed at
the top of all frames.
113 \def\mubeamer@filename@label{%
114     \mubeamer@pathname@label mubeamer-\mubeamer@option@workplace-%
115     \mubeamer@option@locale@label
116     \ifmubeamer@option@gray\else
117         -color%
118     \fi}

\mubeamer@filename@label@fallback \mubeamer@filename@label@fallback is the filename of the label that will be dis-
played at the top of all frames if \mubeamer@filename@label is not found.
119 \def\mubeamer@filename@label@fallback{%
120     \mubeamer@pathname@label mubeamer-\mubeamer@option@workplace-english%
121     \ifmubeamer@option@gray\else
122         -color%
123     \fi}

\mubeamer@subroutine@includegraphics \mubeamer@subroutine@includegraphics[\includegraphics options]{\langle primary
file name \rangle}{\langle secondary file name \rangle}{\langle tertiary file name \rangle} attempts to display the graph-
ics file \langle primary file name \rangle. If \langle primary file name \rangle is not found, \langle secondary file name \rangle is
tried instead. If \langle secondary file name \rangle is not found either, and \langle tertiary file name \rangle is
non-empty, then \langle tertiary file name \rangle is tried.
124 \newcount\mubeamer@temp@recursion
125 \newcommand*\mubeamer@subroutine@includegraphics[4][]{%
126     \begingroup
127     \mubeamer@temp@recursion=0
128     \patchcmd{\Gin@ii}{\Gin@esetsize}{%
129         \renewcommand{\@latex@error}[2]{%
130             \ifnum\mubeamer@temp@recursion<2
131                 \advance\mubeamer@temp@recursion by 1
132                 \ifnum\mubeamer@temp@recursion=1
133                     \includegraphics[#1]{#3}
134                 \else
135                     \ifempty#4\empty
136                     \PackageError{beamerthemeMU}%
137                         {none of the following graphics files was found: #2, #3}%
138                         {check that the mubeamer package has been correctly

```



```

139             installed\MessageBreak and that you specified an existing
140             workplace}%
141         \else
142             \includegraphics[#1]{#4}
143         \fi
144     \fi
145 \else
146     \PackageError{beamerthemeMU}%
147         {none of the following graphics files was found: #2, #3, #4}%
148         {check that the mubeamer package has been correctly
149         installed\MessageBreak and that you specified an existing
150         workplace}%
151 \fi}%
152 \Gin@esetsize}{%
153 \PackageError{beamerthemeMU}%
154     {unable to patch the includegraphics command}%
155     {contact the maintainer of the package}}%
156 \includegraphics[#1]{#2}%
157 \endgroup}

```

## 4.2 Patch Files

`\mubeamer@pathname@patch` `\mubeamer@pathname@patch` is the pathname of the base directory containing patch files.

```
158 \def\mubeamer@pathname@patch{\mubeamer@pathname@base patch/}
```

`\mubeamer@filename@patch` `\mubeamer@filename@label` is the filename of the patch file that will be applied at the end of this style file.

```
159 \def\mubeamer@filename@patch{%
160     \mubeamer@pathname@patch mubeamer-\mubeamer@option@workplace}
```

# 5 Layout and Design

## 5.1 Lengths

### 5.1.1 Spacing

`\mubeamer@length@margin` `\mubeamer@length@margin` is the horizontal margin across all frames and the bottom margin of the title frame.

```
161 \newlength\mubeamer@length@margin
162 \mubeamer@length@margin=0.7cm
```

`\mubeamer@length@toppadding` `\mubeamer@length@toppadding` is the distance between the headline and the frame title.

```
163 \newlength\mubeamer@length@toppadding
164 \mubeamer@length@toppadding=28pt
```

`\mubeamer@length@footlinebottompadding` `\mubeamer@length@footlinebottompadding` is the bottom padding of the footline.

```

165 \newlength\mubeamer@length@footlinebottompadding
166 \mubeamer@length@footlinebottompadding=.163cm

```

`\mubeamer@length@logotopmargin` `\mubeamer@length@logotopmargin` specifies the top margin of the logo displayed at the bottom of the title page.

```

167 \newlength\mubeamer@length@logotopmargin
168 \mubeamer@length@logotopmargin=\mubeamer@length@margin

```

`\mubeamer@length@footlineheight` `\mubeamer@length@footlineheight` is the total height of the footline.

```

169 \newlength\mubeamer@length@footlineheight
170 \mubeamer@length@footlineheight=.4cm

```

### 5.1.2 Label and Logo Size

`\mubeamer@length@labelwidth@titlepage` `\mubeamer@length@label{width,height}@titlepage` specify the dimensions of the label displayed at the top of the title page.

```

171 \newlength\mubeamer@length@labelwidth@titlepage
172 \newlength\mubeamer@length@labelheight@titlepage
173 \mubeamer@length@labelwidth@titlepage=3.5cm
174 \mubeamer@length@labelheight@titlepage=1.4cm

```

`\mubeamer@length@labelwidth` `\mubeamer@length@labelheight` `\mubeamer@length@label{width,height}` specify the dimensions of the label displayed at the top of all frames other than the title page.

```

175 \newlength\mubeamer@length@labelwidth
176 \newlength\mubeamer@length@labelheight
177 \mubeamer@length@labelwidth=2.7cm
178 \mubeamer@length@labelheight=1.08cm

```

`\mubeamer@length@logomaxwidth` `\mubeamer@length@logomaxheight` `\mubeamer@length@logomax{width,height}` specify the maximum dimensions of the logo displayed at the bottom of the title page.

```

179 \newlength\mubeamer@length@logomaxwidth
180 \newlength\mubeamer@length@logomaxheight
181 \mubeamer@length@logomaxwidth=3cm
182 \mubeamer@length@logomaxheight=1.5cm

```

## 5.2 Colors

The following colors are specified in the `RGB` color space assuming the `sRGB IEC61966 v2.1` color profile with black scaling. The colors are taken directly from the design manual of the Masaryk University in Brno [3].

### 5.2.1 Basic Palette

The basic palette is defined in [3, section 2.01]. It consists of a base color, seven shades of gray as the neutral colors, and two hues of orange as the accent colors.

```

183 \definecolor{mubeamer@base}{RGB}{0,39,118}

```

```

184 \definecolor{mubeamer@gray1}{RGB}{240,240,240}
185 \definecolor{mubeamer@gray2}{RGB}{225,225,225}
186 \definecolor{mubeamer@gray3}{RGB}{210,210,210}
187 \definecolor{mubeamer@gray4}{RGB}{190,190,190}
188 \definecolor{mubeamer@gray5}{RGB}{170,170,170}
189 \definecolor{mubeamer@gray6}{RGB}{150,150,150}
190 \definecolor{mubeamer@gray7}{RGB}{130,130,130}
191 \definecolor{mubeamer@orange1}{RGB}{245,165,0}
192 \definecolor{mubeamer@orange2}{RGB}{240,140,0}

```

### 5.2.2 Faculty Colors

The faculty colors are defined in [3, section 2.03].

```

193 \definecolor{mubeamer@law}{RGB}{128,55,155}
194 \definecolor{mubeamer@med}{RGB}{240,25,40}
195 \definecolor{mubeamer@sci}{RGB}{0,175,63}
196 \definecolor{mubeamer@phil}{RGB}{0,161,222}
197 \definecolor{mubeamer@ped}{RGB}{255,160,47}
198 \definecolor{mubeamer@econ}{RGB}{120,35,39}
199 \definecolor{mubeamer@fi}{RGB}{252,212,80}
200 \definecolor{mubeamer@fss}{RGB}{0,123,105}
201 \definecolor{mubeamer@fsps}{RGB}{0,154,166}

```

## 5.3 Beamer Settings

### 5.3.1 Themes

The infolines outer theme displays the current section and subsection at the top of all frames.

```

202 \useoutertheme{infolines}

```

### 5.3.2 Dimensions

```

203 \setbeamersize{%
204   text margin left=\mubeamer@length@margin,
205   text margin right=\mubeamer@length@margin}

```

### 5.3.3 Templates

The work place-specific label is displayed at the top of all frames. The label is larger at the title page.

```

206 \setbeamertemplate{background canvas}{%
207   \ifnum\value{page}=1
208     \let\mubeamer@temp@length\mubeamer@length@labelheight@titlepage
209   \else
210     \let\mubeamer@temp@length\mubeamer@length@labelheight
211   \fi
212   \leavevmode\hskip\mubeamer@length@margin
213   \mubeamer@subroutine@includegraphics%

```

```

214 [height=\mubeamer@temp@length]%
215 {\mubeamer@filename@label}%
216 {\mubeamer@filename@label@fallback}{}}

```

The frame title and subtitle are displayed underneath the label.

```

217 \setbeamertemplate{frametitle}{%
218   \vskip\mubeamer@length@toppadding
219   \vtop{%
220     \usebeamerfont{frametitle}{\insertframetitle}%
221     \ifx\insertframesubtitle\@empty\else\
222       \usebeamerfont{framesubtitle}{\insertframesubtitle}%
223     \fi}
224   \vfill}}

```

No navigation symbols are displayed at the bottom of frames.

```

225 \setbeamertemplate{navigation symbols}{}

```

The footline displays the author, the title, the date, and the page numbers at the bottom of all frames.

```

226 \setbeamertemplate{footline}{%
227   \hskip\mubeamer@length@margin
228   \usebeamercolor[fg]{author in head/foot}%
229   \usebeamerfont{author in head/foot}\insertshortauthor
230   \ \lower2pt\hbox{\Large$\cdot$}\
231   \usebeamercolor[fg]{title in head/foot}%
232   \usebeamerfont{title in head/foot}\insertshorttitle
233   \ \lower2pt\hbox{\Large$\cdot$}\
234   \usebeamercolor[fg]{date in head/foot}%
235   \usebeamerfont{date in head/foot}\insertshortdate
236   \hfill
237   \insertframenum{} / \inserttotalframenum
238   \hskip\mubeamer@length@margin
239   \vrule width 0pt height \mubeamer@length@footlineheight
240   depth \mubeamer@length@footlinebottompadding}

```

The title page forces bottom vertical alignment as if [b] were specified. This is to make sure that people don't end up with wonky-looking title pages by mistake.

```

241 \setbeamertemplate{title page}{%
242   \vskip0pt plus 1filll
243   {\usebeamerfont{title}\usebeamercolor[fg]{title}\inserttitle}%
244   \medskip
245
246   {\usebeamerfont{subtitle}\usebeamercolor[fg]{subtitle}\insertsubtitle}%
247   \bigskip
248
249   {\usebeamerfont{author} \insertauthor}%
250   \medskip
251
252   {\usebeamerfont{date} \insertdate}%
253   \vskip\mubeamer@length@logotopmargin
254   \mubeamer@subroutine@includegraphics%

```

```

255    [
256      width=\mubeamer@length@logomaxwidth,
257      height=\mubeamer@length@logomaxheight,
258      keepaspectratio
259    ]%
260    {\mubeamer@filename@logo}%
261    {\mubeamer@filename@logo@fallback}%
262    {\mubeamer@filename@logo@lastresort}
263    \vskip\mubeamer@length@margin}

```

Bibliography entries are preceded with the reference text (like “[Dijkstra, 1982]”).

```
264 \setbeamerfont{bibliography item}[text]
```

Bullet list entries are preceded with squares.

```
265 \setbeamerfont{itemize items}[square]
```

Blocks are round and cast a shadow.

```
266 \setbeamerfont{blocks}[rounded][shadow=true]
```

### 5.3.4 Fonts and Colors

```

267 \setbeamerfont{structure}{series=\bfseries}
268 \setbeamerfont{structure}{fg=mubeamer@gray6}
269
270 \setbeamerfont{alerted text}{series=\bfseries}
271 \setbeamerfont{alerted text}{fg=mubeamer@orange2}
272
273 \setbeamerfont{title}{size=\Large,series=\bfseries}
274 \setbeamerfont{title}{fg=mubeamer@base}
275 \setbeamerfont{title in head/foot}{size=\tiny,series=\bfseries}
276 \setbeamerfont{title in head/foot}{parent=structure}
277
278 \setbeamerfont{author}{series=\bfseries,size=\small}
279 \setbeamerfont{author in head/foot}{size=\tiny,series=\bfseries}
280 \setbeamerfont{author in head/foot}{parent=structure}
281
282 \setbeamerfont{date}{size=\footnotesize}
283 \setbeamerfont{date in head/foot}{size=\tiny,series=\bfseries}
284 \setbeamerfont{date in head/foot}{parent=structure}
285
286 \setbeamerfont{frametitle}{series=\bfseries,size=\Large}
287 \setbeamerfont{frametitle}{parent=title}
288
289 \setbeamerfont{framesubtitle}{series=\bfseries,size=\large}
290 \setbeamerfont{framesubtitle}{parent=subtitle}
291
292 \setbeamerfont{bibliography entry author}{%
293   use=normal text,fg=normal text.fg}
294 \setbeamerfont{bibliography entry title}{%
295   use=normal text,fg=normal text.fg}
296 \setbeamerfont{bibliography entry location}{%

```

```

297 use=normal text,fg=normal text.fg}
298 \setbeamercolor{bibliography entry note}{%
299 use=normal text,fg=normal text.fg}
300
301 \setbeamerfont{footnote}{size=\footnotesize}
302 \setbeamercolor{footnote mark}{parent=structure}
303
304 \setbeamerfont{section in head/foot}{parent=structure}
305 \setbeamercolor{section in head/foot}{parent=structure}
306
307 \setbeamerfont{subsection in head/foot}{parent=normal text}
308 \setbeamercolor{subsection in head/foot}{parent=structure}
309
310 \setbeamercolor{block title}{fg=white,bg=mubeamer@base}
311 \setbeamercolor{block title example}{%
312 use=alerted text,fg=white,bg=mubeamer@gray7}
313 \setbeamercolor{block title alerted}{%
314 use=alerted text,fg=white,bg=mubeamer@orange1}
315
316 \setbeamercolor{block body}{%
317 parent=normal text,use=block title,
318 bg=block title.bg!10!bg}
319 \setbeamercolor{block body example}{%
320 parent=normal text,bg=mubeamer@gray1}
321 \setbeamercolor{block body alerted}{%
322 parent=normal text,use=block title alerted,
323 bg=block title alerted.bg!10!bg}

```

## 6 Applying Patch Files

A work place-specific patch file is applied if it exists.

```

324 \IfFileExists{\mubeamer@filename@patch.sty}{%
325 \RequirePackage{\mubeamer@filename@patch}}{}
326 \mode
327 <all>

```

## References

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## Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

<b>Symbols</b>	
\@empty .....	221
\@ifpackageloaded .....	44, 52
\@ifundefined .....	7
\@latex@error .....	129
\@ .....	221
\_ .....	230, 233
<b>A</b>	
\advance .....	131
<b>B</b>	
\begingroup .....	126
\bfseries .....	267, 270, 273, 275, 278, 279, 283, 286, 289
\bigskip .....	247
<b>C</b>	
\cdot .....	230, 233
\csname .....	66, 67, 69, 71, 73, 75, 77, 80
<b>D</b>	
\DeclareOptionBeamer ...	5, 8, 15, 38, 39
\def .....	5, 8, 12, 13, 14, 16, 61, 62, 64, 69, 92, 93, 94, 95, 96, 97, 103, 108, 113, 119, 158, 159
\definecolor .....	183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201
<b>E</b>	
\else .....	20, 24, 28, 100, 105, 110, 116, 121, 134, 141, 145, 209, 221
\empty .....	135
\endcsname ...	66, 67, 69, 71, 73, 75, 77, 80
\endgroup .....	157
\ExecuteOptionsBeamer .....	6, 9, 36, 40
\expandafter ...	65, 67, 69, 71, 72, 75, 76
<b>F</b>	
\f@family .....	76
\fi .....	32, 33, 34, 48, 58, 74, 78, 79, 91, 102, 107, 112, 118, 123, 143, 144, 151, 211, 223
\fontfamily .....	76
\footnotesize .....	282, 301
<b>G</b>	
\Gin@esetsize .....	128, 152
\Gin@ii .....	128
<b>H</b>	
\hbox .....	230, 233
\hfill .....	236
\hskip .....	212, 227, 238
<b>I</b>	
\if .....	135
\IfFileExists .....	324
\ifmubeamer@option@fonts .....	10, 49
\ifmubeamer@option@gray .....	37, 100, 105, 110, 116, 121
\ifmubeamer@option@scaling .	10, 42, 60
\ifmubeamer@scaling@enabled .....	42
\ifnum .....	130, 132, 207
\ifx .....	17, 21, 25, 71, 75, 221
\includegraphics .....	133, 142, 156
\insertauthor .....	249
\insertdate .....	252
\insertframenumber .....	237
\insertframesubtitle .....	221, 222
\insertframetitle .....	220
\insertshortauthor .....	229
\insertshortdate .....	235

<code>\insertshorttitle</code> .....	232	<code>\mubeamer@option@scalingtrue</code> ....	27
<code>\insertsubtitle</code> .....	246	<code>\mubeamer@option@workplace</code> .....	
<code>\inserttitle</code> .....	243	.....	8, 98, 104, 114, 120, 160
<code>\inserttotalframenum</code> .....	237	<code>\mubeamer@pathname@base</code> .....	94, 95, 96, 158
<b>L</b>			
<code>\language</code> .....	7	<code>\mubeamer@pathname@label</code> ..	96, 114, 120
<code>\Large</code> .....	230, 233, 273, 286	<code>\mubeamer@pathname@logo</code> ..	95, 98, 104, 109
<code>\large</code> .....	289	<code>\mubeamer@pathname@patch</code> ....	158, 160
<code>\leavevmode</code> .....	212	<code>\mubeamer@scaling@apply</code> .....	42
<code>\let</code> .....	65, 67, 72, 208, 210	<code>\mubeamer@scaling@enabledtrue</code> ...	63
<code>\lower</code> .....	230, 233	<code>\mubeamer@scaling@family@basic</code> ..	42
<b>M</b>			
<code>\medskip</code> .....	244, 250	<code>\mubeamer@scaling@family@caption</code> .	42
<code>\MessageBreak</code> .....	139, 149	<code>\mubeamer@subroutine@includegraphics</code>	
<code>\mode</code> .....	3, 326	.....	124, 213, 254
<code>\mubeamer@filename@label</code> ....	113, 215	<code>\mubeamer@temp@fontname</code> ...	45, 53, 55
<code>\mubeamer@filename@label@fallback</code>		<code>\mubeamer@temp@fontsize</code> .....	65, 68
.....	119, 216	<code>\mubeamer@temp@length</code> ...	208, 210, 214
<code>\mubeamer@filename@logo</code> .....	97, 260	<code>\mubeamer@temp@option@arg</code> ..	16, 17, 21, 25
<code>\mubeamer@filename@logo@fallback</code> .		<code>\mubeamer@temp@option@font@basic</code>	
.....	103, 261	.....	13, 21
<code>\mubeamer@filename@logo@lastresort</code>		<code>\mubeamer@temp@option@font@none</code> .	
.....	108, 262	.....	12, 17
<code>\mubeamer@filename@patch</code> .	159, 324, 325	<code>\mubeamer@temp@option@font@scaled</code>	
<code>\mubeamer@length@footlinebottompadding</code>		.....	14, 25
.....	165, 240	<code>\mubeamer@temp@recursion</code> .....	
<code>\mubeamer@length@footlineheight</code> ..		.....	124, 127, 130, 131, 132
.....	169, 239	<b>N</b>	
<code>\mubeamer@length@labelheight</code> ..	175, 210	<code>\NeedsTeXFormat</code> .....	1
<code>\mubeamer@length@labelheight@titlepage</code>		<code>\newcommand</code> .....	125
.....	171, 208	<code>\newcount</code> .....	124
<code>\mubeamer@length@labelwidth</code> .....	175	<code>\newfontfamily</code> .....	45, 53, 55
<code>\mubeamer@length@labelwidth@titlepage</code>		<code>\newif</code> .....	10, 11, 37, 59
.....	171	<code>\newlength</code> .....	161, 163, 165,
<code>\mubeamer@length@logomaxheight</code> ..	179, 257	.....	167, 169, 171, 172, 175, 176, 179, 180
<code>\mubeamer@length@logomaxwidth</code> ..	179, 256	<b>P</b>	
<code>\mubeamer@length@logotopmargin</code> ..	167, 253	<code>\PackageError</code> .....	29, 136, 146, 153
<code>\mubeamer@length@margin</code> .....		<code>\patchcmd</code> .....	128
.....	161, 168, 204, 205, 212, 227, 238, 263	<code>\ProcessOptionsBeamer</code> .....	41
<code>\mubeamer@length@toppadding</code> .	163, 218	<code>\ProvidesPackage</code> .....	2
<code>\mubeamer@option@font@false</code> .....	18	<b>R</b>	
<code>\mubeamer@option@font@true</code> ....	22, 26	<code>\renewcommand</code> .....	129
<code>\mubeamer@option@gray@false</code> .....	39	<code>\RequirePackage</code> .....	4, 43, 50, 51, 325
<code>\mubeamer@option@gray@true</code> .....	38	<b>S</b>	
<code>\mubeamer@option@locale</code> ....	5, 92, 93	<code>\selectfont</code> .....	77
<code>\mubeamer@option@locale@label</code> ..	92, 115	<code>\setbeamercolor</code> .....	
<code>\mubeamer@option@locale@logo</code> ..	92, 99	.....	268, 271, 274, 276, 280, 284,
<code>\mubeamer@option@scaling@false</code> .	19, 23		



