

*I know*, this documentation is *very* far away from completed (just like the code it documents ;D), but I'm working on it ...

Maybe, I'll also write some kind of InformatikMWGLtxdoc class to centralize configuration ... but who knows how many L<sup>A</sup>T<sub>E</sub>X stuff has to be documented ...

## Part I

# The code

### Initialisation

Provide some information about the class:

```
1 \ProvidesClass{InformatikMWGBeamer}%  
2 [2018/07/04 v0.1a InformatikMWG Corporate Design Presentation Class]
```

Print some “advertising” to the log:

```
3 \typeout{}  
4 \typeout{=====}  
5 \typeout{InformatikMWG Corporate Design Presentation Class}  
6 \typeout{Version 2018/07/04 v0.1a}  
7 \typeout{}  
8 \typeout{(c) 2018 Sebastian Friedl}  
9 \typeout{Licensed under LPPL 1.3c or later}  
10 \typeout{=====}  
11 \typeout{}
```

Require  $\text{\LaTeX}$  2<sub>ε</sub>. Anyway, who is still using the old  $\text{\LaTeX}$  2.09 ...

```
12 \NeedsTeXFormat{LaTeX2e}
```

Detect whether one of the “newer,” “enhanced” engines is used:

```
13 \RequirePackage{iftex}  
14 \newif\ifinformatikmwgbeamer@xeorluatex  
15 \@informatikmwgbeamer@xeorluatexfalse  
16 \ifXeTeX\@informatikmwgbeamer@xeorluatextrue\fi  
17 \ifLuaTeX\@informatikmwgbeamer@xeorluatextrue\fi
```

Print the insight from above to the log (that might come in handy when debugging this sh\*\*):

```
18 \typeout{}  
19 \ifinformatikmwgbeamer@xeorluatex\typeout{Xe- or LuaLaTeX detected}  
20 \else\typeout{Classical (pdf)LaTeX detected}  
21 \fi  
22 \typeout{}
```

### Loading the beamer class

Force an aspect ratio of 16:9:

```
23 \PassOptionsToClass{aspectratio=169}{beamer}
```

Instruct hyperref to use utf8-encoding when  $\text{\XeLaTeX}$  or  $\text{\LuaLaTeX}$  is used:

```
24 \ifinformatikmwgbeamer@xeorluatex\PassOptionsToClass{hyperref=unicode}{beamer}\fi
```

Load beamer, switch to presentation mode and start defining the theme:

```
25 \LoadClass{beamer}  
26 \mode<presentation>
```

Override beamer's commands changing the way things look for disabling changes to the corporate design:

```
27 \def\usetheme#1{\ClassWarning{InformatikMWGBeamer}%
28   {\noexpand\usetheme command ignored. Stick to our corporate design!}}
29 \def\usefonttheme#1{\ClassWarning{InformatikMWGBeamer}%
30   {\noexpand\usefonttheme command ignored. Stick to our corporate design!}}
31 \def\usecolortheme#1{\ClassWarning{InformatikMWGBeamer}%
32   {\noexpand\usecolortheme command ignored. Stick to our corporate design!}}
33 \def\useinnertheme#1{\ClassWarning{InformatikMWGBeamer}%
34   {\noexpand\useinnertheme command ignored. Stick to our corporate design!}}
35 \def\useoutertheme#1{\ClassWarning{InformatikMWGBeamer}%
36   {\noexpand\useoutertheme command ignored. Stick to our corporate design!}}
```

Remove those nasty navigation symbols:

```
37 \setbeamertemplate{navigation symbols}{}%
```

## Require Packages

Require really required packages:

**etoolbox** for obtaining access to some useful  $\epsilon$ -TeX commands.

**ifthen** for handling exceptions

**tikz** for drawing stuff and taking over absolute placement on title, part, ... frames. **tikz's** **fadings** library is also loaded for drawing the faded title, part, ... frame's separation line.

```
38 \RequirePackage{etoolbox}
39 \RequirePackage{ifthen}
40 \RequirePackage{tikz}
41 \usetikzlibrary{fadings}
```

Frame numbering business:

beamer, version 3.49 and later declares some nice commands (and templates) useful for numbering frames. However, version 3.48 and newer lack of this feature; so another package is required: `appendixnumberbeamer`.

To detect beamer 3.48 and older, we check whether `\insertmainframenummer`, introduced with version 3.49, is undefined:

```
42 \ifx\insertmainframenummer\@undefined%
43 \RequirePackage{appendixnumberbeamer}%
44 \def\insertmainframenummer{\insertframenummer}
45 \def\insertframenummerinappendix{\insertframenummer}
46 \def\insertappendixframenummer{\inserttotalframenummer}
47 \fi
```

## Load the Fira fonts

The way the fonts are loaded depends on the used engine.

```
48 \if@informatikmwgbeamer@xeorluatex
```

X<sub>Y</sub><sup>Y</sup><sub>Y</sub>LaTeX and LuaLaTeX: Require fontspec and load the OpenType fonts

```
49 \RequirePackage[no-math]{fontspec}
50 \setmainfont[Numbers=Lining, Scale=.85]{FiraSans}
51 \setsansfont[Numbers=Lining, Scale=.85]{FiraSans}
52 \setmonofont[Scale=.85]{FiraMono}
```

Disable fontspec's commands for switching fonts:

```
53 \def\setmainfont#1{\ClassWarning{InformatikMWGBeamer}%
54   {\noexpand\setmainfont command ignored. Stick to our corporate design!}}
55 \def\setsansfont#1{\ClassWarning{InformatikMWGBeamer}%
56   {\noexpand\setsansfont command ignored. Stick to our corporate design!}}
57 \def\setmonofont#1{\ClassWarning{InformatikMWGBeamer}%
58   {\noexpand\setmonofont command ignored. Stick to our corporate design!}}
59 \else
```

Ok. We're dealing with somebody using (pdf)LaTeX, so we have to load some font packages:

```
60 \RequirePackage[lining, sfdefault, scale=.85]{FiraSans}
61 \RequirePackage[lining, scale=.85]{FiraMono}
62 \let\rmdefault\sfdefault
63 \RequirePackage[T1]{fontenc}
64 \fi
```

Since we're scaling everything down, the line spread has to be modified:

```
65 \linespread{0.9}
```

Require the newtxsf package since one may require some math symbols:

```
66 \usepackage{newtxsf}
```

## Class options

Define a draft option leaving a blank space instead of a logo:

```
67 \newif\ifbeamer@draft
68 \beamer@draftfalse
69 \DeclareOptionBeamer{draft}{\beamer@drafttrue}
```

Define a noheadline option to be used when a Table of Contents is not necessary:

```
70 \newif\ifbeamer@showheadline
71 \beamer@showheadlinetrue
72 \DeclareOptionBeamer{noheadline}{\beamer@showheadlinefalse}
```

Define some internal variables and initialize them:

```
73 \newif\ifbeamer@showframenrs
74 \beamer@showframenrstrue
```

Processes the options passed to the class:

```
75 \ProcessOptionsBeamer
```

## Appendix stuff

```
76 \newif\ifbeamer@insideappendix
77 \beamer@insideappendixfalse
78 \AtBeginDocument{\apptocmd{\appendix}{%
79   \beamer@insideappendixtrue
80   \beamer@showframernsfalse
81 %   \ifbeamer@showheadline \setbeamertemplate{mwgheadline}[notoc] \fi
82   \setbeamertemplate{part page}[InformatikMWGAppendix]
83   \frame{\partpage}
84   \addtocounter{framenum}{-1}
85   \beamer@showframernstrue}{}}{}
86 }
```

## Innerstyling, Part I (Item templates)

Reset the style of all items

```
87 \setbeamertemplate{items}[default]
```

Itemization template: triangle / dash / bullet points

```
88 \setbeamertemplate{itemize item}[default]
89 \setbeamertemplate{itemize subitem}{--}
90 \setbeamertemplate{itemize subsubitem}[circle]
```

Table of Contents: Draw boxes around section numbers

```
91 \setbeamertemplate{sections/subsections in toc}[square]
```

Use the bibliography items as specified by the bibliography package.

See beamer's user guide, section 10.6 ("Adding a Bibliography") for an instruction how to get the cute little icons back.

```
92 \setbeamertemplate{bibliography item}{\insertbiblabel}
```

## Innerstyling, Part II (Frame templates)

Define the title frame template:

```
93 \defbeamertemplate*{title page}[InformatikMWG]{%
94   \ifx\insertframetitle\@empty \frametitle{~} \fi
95   %
96   \begin{tikzpicture}[remember picture, overlay]
97     \draw (current page.west) ++(2em, 0.6em)
98       node[anchor=base west, align=left]{%
99         {\usebeamerfont*{title}\usebeamercolor*{title}%
100          \ifx\inserttitle\@empty\else\inserttitle\fi}%
101         \ifx\inserttitle\@empty\else%
102           \ifx\insertsubtitle\@empty\else\\fi\fi%
103         {\usebeamerfont*{subtitle}\usebeamercolor*{subtitle}%
104          \ifx\insertsubtitle\@empty\else\insertsubtitle\fi}};
105 }
```

```

106 \draw[MWGRed, very thick] (current page.west) ++(2.2em,0)
107 -- ++(.5\textwidth,0) coordinate (startfading);
108 \draw[MWGRed, very thick, path fading=east] (startfading)
109 -- (current page.east);
110
111 \draw (current page.west) ++(2em, -0.3em) node[anchor=north west, align=left]%
112 {\begin{minipage}{\linewidth}
113 {\usebeamerfont*{author}\usebeamercolor*{author}%
114 \ifx\beamer@shortauthor\@empty\else\insertauthor\fi}\[\smallskipamount]%
115 {\usebeamerfont*{institute}\usebeamercolor*{institute}%
116 \ifx\insertinstitute\@empty\else\insertinstitute \fi}%
117 \ifx\insertinstitute\@empty\else%
118 \ifx\insertdate\@empty\else\[\medskipamount]\fi\fi%
119 {\usebeamerfont*{date}\usebeamercolor*{date}%
120 \ifx\insertdate\@empty\else\insertdate\fi}
121 \end{minipage}};
122 \end{tikzpicture}}

```

Define a part frame template

```

123 \defbeamertemplate*{part page}{InformatikMWG}{%
124 \ifx\insertframetitle\@empty \frametitle{~} \fi
125 %
126 \begin{tikzpicture}[remember picture, overlay]
127 \draw (current page.west) ++(2em, 0.6em)
128 node[anchor=base west, align=left]%
129 {\usebeamerfont*{part title}\usebeamercolor*{title}%
130 \insertromanpartnumber.~ \insertpart};
131
132 \draw[MWGRed, very thick] (current page.west) ++(2.2em,0)
133 -- ++(.5\textwidth,0) coordinate (startfading);
134 \draw[MWGRed, very thick, path fading=east] (startfading)
135 -- (current page.east);
136 \end{tikzpicture}}

```

Define a sectin frame template

```

137 \defbeamertemplate*{section page}{InformatikMWG}{%
138 \ifx\insertframetitle\@empty \frametitle{~} \fi
139 %
140 \begin{tikzpicture}[remember picture, overlay]
141 \draw (current page.west) ++(2em, 0.6em)
142 node[anchor=base west, align=left]%
143 {\usebeamerfont*{section title}\usebeamercolor*{title}%
144 \thesection.~ \insertsection};
145
146 \draw[MWGRed, very thick] (current page.west) ++(2.2em,0)
147 -- ++(.5\textwidth,0) coordinate (startfading);
148 \draw[MWGRed, very thick, path fading=east] (startfading)
149 -- (current page.east);

```

```
150 \end{tikzpicture}}
```

Define a subsection frame template

```
151 \defbeamertemplate*{subsection page}{InformatikMWG}{%
152 \ifx\insertframetitle\empty \frametitle{~} \fi
153 %
154 \begin{tikzpicture}[remember picture, overlay]
155 \draw (current page.west) ++(2em, 0.6em)
156 node[anchor=base west, align=left]%
157 {\usebeamerfont*{section title}\usebeamercolor*{title}%
158 \thesection.\~ \insertsection};
159
160 \draw[MWGRRed, very thick] (current page.west) ++(2.2em,0)
161 -- ++(.5\textwidth,0) coordinate (startfading);
162 \draw[MWGRRed, very thick, path fading=east] (startfading)
163 -- (current page.east);
164
165 \draw (current page.west) ++(2em, -0.3em)
166 node[anchor=north west, align=left]%
167 {\usebeamerfont*{subsection title}\usebeamercolor*{title}%
168 \thesection.\thesubsection~ \insertsubsection};
169 \end{tikzpicture}}
```

Define a part frame template for used inside the appendix

```
170 \defbeamertemplate*{part page}{InformatikMWGAppendix}{%
171 \ifx\insertframetitle\empty \frametitle{~} \fi
172 %
173 \begin{tikzpicture}[remember picture, overlay]
174 \draw (current page.west) ++(2em, 0.6em)
175 node[anchor=base west, align=left]%
176 {\usebeamerfont*{part title}\usebeamercolor*{title}\insertpart};
177
178 \draw[MWGRRed, very thick] (current page.west) ++(2.2em,0)
179 -- ++(.5\textwidth,0) coordinate (startfading);
180 \draw[MWGRRed, very thick, path fading=east] (startfading)
181 -- (current page.east);
182 \end{tikzpicture}}
```

## Outerstyling (Frame components)

### Headline

Activate beamer's compress option so miniframes are shown in the same row:

```
183 \beamer@compresstrue
```

Define the headline template. Since we are inserting a `\hskip0pt plus1filll` at the right of the section navigation, the section headings are strung together:

```
184 \defbeamertemplate*{headline}{informatikmwg}{%
```

```

185 \begin{beamercolorbox}[ht=2.75ex,dp=1.125ex]{section in head/foot}
186 \insertsectionnavigationhorizontal{\linewidth}{\hskip0pt plus1filll}%
187 \end{beamercolorbox}}

```

Remove the headline when the noheadline option is used:

```

188 \ifbeamer@showheadline\else\setbeamertemplate{headline}{\fi

```

## Footline

### *Meta information*

The footnote consists of two lines: the upper one containing information about the institute and the lower one containing information about author(s) and presentation title.

Author and title are separated by a colon followed by a \quad

```

189 \defbeamertemplate*{footline}{InformatikMWG}{%
190 \begin{beamercolorbox}%
191 [wd=\paperwidth,ht=2.75ex,dp=.5ex,leftskip=10ex,rightskip=3ex]{footline}
192 \usebeamerfont*{meta information}
193 \insertshortinstitute
194 \end{beamercolorbox}%
195 \begin{beamercolorbox}%
196 [wd=\paperwidth,ht=2.75ex,dp=1.125ex,leftskip=10ex,rightskip=3ex]{footline}
197 \usebeamerfont*{meta information}
198 \insertshortauthor
199 \ifx\beamer@shortauthor\@empty\else\ifx\beamer@shorttitle\@empty\else
200 :\quad%
201 \fi\fi
202 \insertshorttitle
203 \end{beamercolorbox}%

```

### *The logo*

**TODO:** Insert the logo

```

204 \ifbeamer@draft\else\begin{tikzpicture}[overlay]
205 \clip (0,0) rectangle (\paperwidth,5.5ex);
206 \node[above right] at (0,0) {\textless{Logo}\textgreater{}};
207 \end{tikzpicture}\fi%

```

### *Frame numbers*

Use an overlaid tikzpicture for placing the frame numbers. The content has to be \clipped to the requested dimension:

```

208 \ifbeamer@showframerns\begin{tikzpicture}[overlay]\large
209 \clip ((\paperwidth-6ex),0) rectangle (\paperwidth,5ex);

```

Draw the outer circle not covered by the progress bar. When being inside the appendix, use the color of the progress bar, so the progress bar is “invisible”.

```

210 \ifbeamer@insideappendix
211 \fill[fill=MWGRed] (\paperwidth-2.5ex,1.8125ex) circle (3.0ex);

```



```

212     \else
213         \fill[fill=MWGRed!40] (\paperwidth-2.5ex,1.8125ex) circle (3.0ex);
214     \fi

```

Draw an inner white circle as background for the frame numbers:

```

215     \fill[fill=white] (\paperwidth-2.5ex,1.8125ex) circle (2.5ex);

```

Insert the current frame number and draw the progress bar if the presentation has got more than 0 frames in the main part.

```

216     \node[anchor=mid,MWGRed] at (\paperwidth-2.5ex,1.8125ex)
217     {\ifbeamer@insideappendix+\,\insertframenumberinappendix%
218     \else\insertframenumber%
219     \fi};
220     \ifbeamer@insideappendix\else\ifthenelse{\insertmainframenumber > 0}{%
221     \draw[MWGRed,line width=.5125ex] ({\paperwidth-2.5ex},-.9375ex)
222     arc (270:{226.5-202*(\insertframenumber/\insertmainframenumber)}:2.75ex);}{\fi}
223

```

At last, draw a “replacement” for the progress bar in the non-covered range:

```

224     \draw[MWGRed,line width=.5125ex] ({\paperwidth-2.5ex},-.9375ex)
225     arc (270:384.5:2.75ex);
226     \end{tikzpicture}\fi}

```

## Sidebars

Don't show the logo in the right sidebar since it's placed in the footline:

```

227 \defbeamertemplate*{sidebar right}{InformatikMWG}{%
228     \vfill%
229     \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
230     \vskip2pt}

```

## Font theme

Define the font for elements on the title frame:

```

231 \setbeamerfont*{title}{size=\Large, series=\bfseries, shape=\scshape}
232 \setbeamerfont*{subtitle}{series=\bfseries}
233 \setbeamerfont*{author}{size=\small}
234 \setbeamerfont*{institute}{size=\small}
235 \setbeamerfont*{date}{size=\small}

```

Use a bold font for the frame title:

```

236 \setbeamerfont*{frametitle}{size=\Large, series=\bfseries, parent=structure}
237 \setbeamerfont*{framesubtitle}{size=\footnotesize}

```

Use tiny small caps for content in the head- and footline:

```

238 \setbeamerfont*{headline}{size=\tiny}
239 \setbeamerfont*{section in head/foot}{size=\tiny}
240 \setbeamerfont*{footline}{size=\tiny, shape=\scshape}

```

241 \setbeamerfont\*{meta information}{parent=footline}

242 \setbeamerfont\*{frame number}{size=\tiny, shape=\scshape}

Use large bold small caps for part headings on part frames:

243 \setbeamerfont\*{part name}{size=\LARGE, series=\bfseries, shape=\scshape}

244 \setbeamerfont\*{part title}{size=\LARGE, series=\bfseries, shape=\scshape}

Use large small caps for section headings on (sub-)section frames:

245 \setbeamerfont\*{section name}{size=\Large, shape=\scshape}

246 \setbeamerfont\*{section title}{size=\Large, shape=\scshape}

Use the italic font shape for subsection headings on subsection frames:

247 \setbeamerfont\*{subsection name}{size=\large, shape=\itshape}

248 \setbeamerfont\*{subsection title}{size=\large, shape=\itshape}

Table of Contents: \large small caps for section headings, \small subsection headings and \footnotesize subsection headings:

249 \setbeamerfont\*{section in toc}{parent=structure, size=\large, shape=\scshape}

250 \setbeamerfont\*{section in toc shaded}{parent=section in toc}

251 \setbeamerfont\*{section number projected}%

252 {size=\small, parent={section in toc,projected text}}

253 \setbeamerfont\*{subsection in toc}{size=\small}

254 \setbeamerfont\*{subsection in toc shaded}{parent=subsection in toc}

255 \setbeamerfont\*{subsubsection in toc}{size=\footnotesize}

256 \setbeamerfont\*{subsubsection in toc shaded}{parent=subsubsection in toc}

Small caps for the caption name, italics for the caption content:

257 \setbeamerfont\*{caption}{size=\small, shape=\itshape}

258 \setbeamerfont\*{caption name}{parent={structure}, size=\small, shape=\scshape}

Use \tiny button captions:

259 \setbeamerfont\*{button}{size=\tiny}

Use small caps for block titles and the normal font for block bodies:

260 \setbeamerfont\*{block title}%

261 {parent={structure,block body}, size=\large, shape=\scshape}

262 \setbeamerfont\*{block body}{}

263 \setbeamerfont\*{block body example}{}

264 \setbeamerfont\*{block title example}{parent={block title,example text}}

265 \setbeamerfont\*{block title alerted}{parent={block title>alerted text}}

266 \setbeamerfont\*{block body alerted}{}

Use italics for enumerate items:

267 \setbeamerfont\*{item}{parent=structure}

268 \setbeamerfont\*{itemize item}{parent=item}

269 \setbeamerfont\*{enumerate item}{shape=\itshape, parent=item}

270 \setbeamerfont\*{itemize/enumerate body}{}

Apply the items' font settings to subitems:

271 \setbeamerfont\*{subitem}{parent=item}

272 \setbeamerfont\*{itemize subitem}{parent=subitem}

```
273 \setbeamerfont*{enumerate subitem}{shape=\itshape, parent=subitem}
274 \setbeamerfont*{itemize/enumerate subbody}{size=\small}
```

Apply the subitems' font settings to subsubitems:

```
275 \setbeamerfont*{subsubitem}{parent=subitem}
276 \setbeamerfont*{itemize subsubitem}{parent=subsubitem}
277 \setbeamerfont*{enumerate subsubitem}{shape=\itshape, parent=subsubitem}
278 \setbeamerfont*{itemize/enumerate subsubbody}{size=\footnotesize}
```

Use a bold font for description items:

```
279 \setbeamerfont*{description item}{series=\bfseries, parent=item}
```

## Color theme

Define a set of basic colors:

```
280 \definecolor{MWGRed}{RGB}{100,29,27}
281 \definecolor{MWGGreen}{RGB}{166,214,35}
282 \definecolor{MWGGrey}{RGB}{80,80,80}
```

Set up the basic color scheme:

```
283 \setbeamercolor{normal text}{fg=black,bg=white}
284 \setbeamercolor{alerted text}{fg=red}
285 \setbeamercolor{example text}{fg=green!50!black}
```

Use MWGRed for structure items:

```
286 \setbeamercolor{structure}{fg=MWGRed}
287 \setbeamercolor{local structure}{parent=structure}
```

Define the color palette:

```
288 \setbeamercolor*{palette primary}{fg=white,bg=MWGRed}
289 \setbeamercolor*{palette secondary}{fg=black,bg=MWGGreen}
290 \setbeamercolor*{palette tertiary}{fg=black,bg=MWGGrey}
291 \setbeamercolor*{palette quaternary}{fg=black,bg=white}
```

Use the normal text color for text on the title frame:

```
292 \setbeamercolor*{title}{parent=normal text}
293 \setbeamercolor*{author}{parent=normal text}
294 \setbeamercolor*{institute}{parent=normal text}
295 \setbeamercolor*{titlegraphic}{parent=normal text}
```

Apply the primary colors to the navigation bar (headline) and footline:

```
296 \setbeamercolor*{section in head/foot}{parent=palette primary}
297 \setbeamercolor*{footline}{parent=palette primary}
```

Set up the colors used in the Table of Contents:

```
298 \setbeamercolor*{section in toc}{parent=structure}
299 \setbeamercolor*{section in toc shaded}{parent=section in toc}
300 \setbeamercolor*{section number projected}{parent=item projected}
301 \setbeamercolor*{subsection in toc}{}
302 \setbeamercolor*{subsection in toc shaded}{parent=subsection in toc}
```

```

303 \setbeamercolor*{subsection number projected}{parent={subitem projected}}
304 \setbeamercolor*{subsubsection in toc}{parent=subsection in toc}
305 \setbeamercolor*{subsubsection in toc shaded}{parent=subsubsection in toc}
306 \setbeamercolor*{subsubsection number projected}{parent=subsubitem projected}

```

Apply the structure color template to the logo:

```

307 \setbeamercolor*{logo}{parent=structure}

```

Apply the primary colors to frametitle and -subtitle:

```

308 \setbeamercolor*{frametitle}{parent=palette primary}
309 \setbeamercolor*{framesubtitle}{parent=palette primary}

```

Use the structure color for footnotes:

```

310 \setbeamercolor*{footnote}{parent=structure}
311 \setbeamercolor*{footnote mark}{fg=..}

```

Apply the structure color to the caption name, but not to the caption itself:

```

312 \setbeamercolor*{caption}{}
313 \setbeamercolor*{caption name}{fg=structure}

```

Let the button color depend on the local structure's color:

```

314 \setbeamercolor*{button}{use=local structure,bg=local structure.fg!50!bg,fg=white}
315 \setbeamercolor*{button border}{use=button,fg=button.bg}

```

Use a lighter MWGRed for the navigation symbols:

```

316 \setbeamercolor*{navigation symbols}{fg=MWGRed!40!bg}
317 \setbeamercolor*{navigation symbols dimmed}{fg=MWGRed!40!bg}

```

Let the color of the blocks depend on the primary palette color, example text color and alert text color:

```

318 \setbeamercolor*{block title}{parent=palette primary}
319 \setbeamercolor*{block body}%
320   {parent=normal text, use=block title, bg=block title.bg!20!bg}
321 \setbeamercolor*{block title alerted}%
322   {use=alerted text, fg=white, bg=alerted text.fg!85!black!80!white}
323 \setbeamercolor*{block body alerted}%
324   {parent=normal text, use=block title alerted, bg=block title alerted.bg!20!bg}
325 \setbeamercolor*{block title example}{parent=palette secondary}
326 \setbeamercolor*{block body example}%
327   {parent=normal text, use=block title example, bg=block title example.bg!20!bg}

```

Let the items' color depend on the local structure's color:

```

328 \setbeamercolor*{item}{parent=local structure}
329 \setbeamercolor*{item projected}{parent=item,use=item,fg=white,bg=item.fg}
330 \setbeamercolor*{enumerate item}{parent=item}
331 \setbeamercolor*{itemize item}{parent=item}
332 \setbeamercolor*{itemize/enumerate body}{}

```

Apply the items' color to the subitems:

```

333 \setbeamercolor*{subitem}{parent=item}
334 \setbeamercolor*{subitem projected}{parent=item projected}

```

```

335 \setbeamercolor*{enumerate subitem}{parent=subitem}
336 \setbeamercolor*{itemize subitem}{parent=subitem}
337 \setbeamercolor*{itemize/enumerate subbody}{}

```

Apply the subitems' color to the subsubitems:

```

338 \setbeamercolor*{subsubitem}{parent=subitem}
339 \setbeamercolor*{subsubitem projected}{parent=subitem projected}
340 \setbeamercolor*{enumerate subsubitem}{parent=subsubitem}
341 \setbeamercolor*{itemize subsubitem}{parent=subsubitem}
342 \setbeamercolor*{itemize/enumerate subsubbody}{}

```

Apply the item's color to description items:

```

343 \setbeamercolor*{description item}{parent=item}

```

Use different tints of MWGRed for the bibliography:

```

344 \setbeamercolor*{bibliography item}{parent=item}
345 \setbeamercolor*{bibliography entry author}{fg=MWGRed}
346 \setbeamercolor*{bibliography entry title}{use=normal text}
347 \setbeamercolor*{bibliography entry location}{fg=MWGRed!65!bg}
348 \setbeamercolor*{bibliography entry note}{fg=MWGRed!65!bg}

```

Use MWGRed for the separation line:

```

349 \setbeamercolor*{separation line}{fg=MWGRed}

```

Use MWGRed for the abstract's title:

```

350 \setbeamercolor*{abstract}{}
351 \setbeamercolor*{abstract title}{parent=MWGRed}

```

Use no special color for verses:

```

352 \setbeamercolor*{verse}{}

```

Use no special colors for quotes:

```

353 \setbeamercolor*{quotation}{}
354 \setbeamercolor*{quote}{parent=quotation}

```

Use MWGRed for the qed symbol:

```

355 \setbeamercolor*{qed symbol}{fg=MWGRed}

```

## Intelligent commands for inserting structure frames

`\maketitle` Create an extra frame without a frame number displayed if `\maketitle` is used outside of a frame

```

356 \def\maketitle{%
357   \ifbeamer@inframe\titlepage%
358   \else%
359     \beamer@showframenrsfalse%
360     \frame{\titlepage}%
361     \beamer@showframenrstrue%
362   \fi}

```

`\partframe` Behaves like `\partpage`, but creates an extra frame not counted into the (total) number of frames if `\partframe` is used outside of a frame

```
363 \newcommand{\partframe}{%
364   \ifbeamer@inframe\partpage%
365   \else%
366     \frame{\partpage}%
367     \addtocounter{framenum}{-1}%
368   \fi}
```

`\sectionframe` Behaves like `\sectionpage`, but creates an extra frame not counted into the (total) number of frames if `\sectionframe` is used outside of a frame

```
369 \newcommand{\sectionframe}{%
370   \ifbeamer@inframe\sectionpage%
371   \else%
372     \frame{\sectionpage}%
373     \addtocounter{framenum}{-1}%
374   \fi}
```

`\subsectionframe` Behaves like `\subsectionpage`, but creates an extra frame not counted into the (total) number of frames if `\subsectionframe` is used outside of a frame

```
375 \newcommand{\subsectionframe}{%
376   \ifbeamer@inframe\subsectionpage%
377   \else%
378     \frame{\subsectionpage}%
379     \addtocounter{framenum}{-1}%
380   \fi}
```

## Commands influencing the class' behavior

`\activatepartframes` Activate insertion of part frames at the beginning of a part

```
381 \newcommand{\activatepartframes}{\AtBeginPart{\partframe}}
```

`\deactivatepartframes` Deactivate insertion of part frames at the beginning of a part

```
382 \newcommand{\deactivatepartframes}{\AtBeginPart{}}
```

`\activatesectionframes` Activate insertion of section frames at the beginning of a section

```
383 \newcommand{\activatesectionframes}{\AtBeginSection{\sectionframe}}
```

`\deactivatesectionframes` Deactivate insertion of section frames at the beginning of a section

```
384 \newcommand{\deactivatesectionframes}{\AtBeginSection{}}
```

`\activatesubsectionframes` Activate insertion of subsection frames at the beginning of a subsection

```
385 \newcommand{\activatesubsectionframes}{\AtBeginSubsection{\subsectionframe}}
```

`\deactivatesubsectionframes` Deactivate insertion of subsection frames at the beginning of a subsection

```
386 \newcommand{\deactivatesubsectionframes}{\AtBeginSubsection{}}
```

**TODO:** Enable switching between showtoc/hidetoc

### **Famous last words**

The theme is loaded completely, so leave presentation mode and stop collecting input.

```
387 \mode<all>
```

```
388 \endinput
```