

*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

I'm currently wrapping macrocode environments around my code; so if the line below is *not* commented,  $\LaTeX$  may throw up if I f\*\*\*ed up something ;)

### Initialisation

Provide some information about the class:

```
1 \ProvidesClass{InformatikMWGBeamer}%  
2 [2018/04/04 v0.0 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 2018/04/04 v0.0}  
7 \typeout{}  
8 \typeout{(c) 2018 Sebastian Friedl}  
9 \typeout{Licensed under LPPL 1.3c or later}  
10 \typeout{=====}  
11 \typeout{}
```

Require  $\LaTeX 2_{\epsilon}$ . Anyway, who is still using the old  $\LaTeX 2.09$  ...

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

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

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

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

```
18 \typeout{}  
19 \if@informatikmwgbearer@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  $X_{\LaTeX}$  or  $\text{Lua}\LaTeX$  is used:

```
24 \if@informatikmwgbearer@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.

**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{tikz}
40   \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 wheter `\insertmainframenummer`, introduced with version 3.49, is undefined:

```
41 \ifx\insertmainframenummer\undefined\RequirePackage{appendixnumberbeamer}\fi
```

## Load the Fira fonts

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

```
42 \if@informatikmwgbeamer@xeorluatex
```

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

```
43 \RequirePackage[no-math]{fontspec}
44 \setmainfont[Scale=.85]{FiraSans}
45 \setsansfont[Scale=.85]{FiraSans}
46 \setmonofont[Scale=.85]{FiraMono}
```

Disable fontspec's commands for switching fonts:

```
47 \def\setmainfont#1{\ClassWarning{InformatikMWGBeamer}%
48   {\noexpand\setmainfont command ignored. Stick to our corporate design!}}
49 \def\setsansfont#1{\ClassWarning{InformatikMWGBeamer}%
50   {\noexpand\setsansfont command ignored. Stick to our corporate design!}}
51 \def\setmonofont#1{\ClassWarning{InformatikMWGBeamer}%
52   {\noexpand\setmonofont command ignored. Stick to our corporate design!}}
53 \else
```

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

```
54 \RequirePackage[lf,sfdefault, scale=.85]{FiraSans}
55 \RequirePackage[lf, scale=.85]{FiraMono}
56 \let\rmdefault\sfdefault
57 \RequirePackage[T1]{fontenc}
58 \fi
```

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

```
59 \usepackage{newtxsf}
```

## Class options

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

```
60 \newif\ifbeamer@draft
61 \beamer@draftfalse
62 \DeclareOptionBeamer{draft}{\beamer@drafttrue}
```

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

```
63 \newif\ifbeamer@showheadline
64 \beamer@showheadlinetrue
65 \DeclareOptionBeamer{noheadline}{\beamer@showheadlinefalse}
```

Processes the options passed to the class:

```
66 \ProcessOptionsBeamer
```

## Appendix settings

**TODO:** Adapt code and documentation stuff to the “new frame numbers” being introduced with one of the next commits

```
67 \AtBeginDocument{\apptocmd{\appendix}{%
68   \setbeamertemplate{frame numbering}[none]
69   \ifbeamer@showheadline \setbeamertemplate{mwgheadline}[notoc] \fi
70   \setbeamertemplate{part page}[appendix]}
```

```

71 \frame{\partpage}
72 \addtocounter{framenum}{-1}
73 \setbeamertemplate{frame numbering}[appendix]{}{}
74 }

```

## Innerstyling, Part I (Item templates)

Reset the style of all items

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

Itemization template: triangle / dash / bullet points

```

76 \setbeamertemplate{itemize item}[default]
77 \setbeamertemplate{itemize subitem}{--}
78 \setbeamertemplate{itemize subsubitem}[circle]

```

Table of Contents: Draw boxes around section numbers

```
79 \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.

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

## Innerstyling, Part II (Frame templates)

### Stuff not converted to docstrip yet

It may require some additional time until the following code has been properly converted to something docstrip-friendly.

Please stay patient.

```

81
82 % Title frame layout
83 \defbeamertemplate*{title page}{MWG}{%
84   \ifx\insertframetitle\@empty \frametitle{~} \fi
85
86   \begin{tikzpicture}[remember picture, overlay]
87     % Presentation title
88     \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]{%
89       {{\usebeamerfont*{title}\usebeamerfont*{title}\ifx\inserttitle\@empty\else\inserttitle\fi}%
90       \ifx\inserttitle\@empty\else \ifx\insertsubtitle\@empty\else \ \fi\fi%
91       {\usebeamerfont*{subtitle}\usebeamerfont*{subtitle}\ifx\insertsubtitle\@empty\else\insertsubt
92
93     % Separation line
94     \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading)
95     \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);
96
97     % Author & institute

```

```

98     \draw (current page.west) ++(2em, -0.3em) node[anchor=north west, align=left]%
99         {{\usebeamerfont*{author}\usebeamercolor*{author}\ifx\beamer@shortauthor\empty\else\insertauthor\
100         {\usebeamerfont*{institute}\usebeamercolor*{institute}\ifx\insertinstitute\empty\else\inserti
101         \ifx\insertinstitute\empty\else \ifx\insertdate\empty\else \[\smallskipamount] \fi\fi%
102         {\usebeamerfont*{date}\usebeamercolor*{date}\ifx\insertdate\empty\else\insertdate\fi}};
103     \end{tikzpicture}}
104
105 % Part frame layout
106 \defbeamertemplate*{part page}{MWG}{%
107     \ifx\insertframetitle\empty \frametitle{~} \fi
108
109     \begin{tikzpicture}[remember picture, overlay]
110         % Part title
111         \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]%
112             {\usebeamerfont*{part title}\usebeamercolor*{title}\insertromanpartnumber.~ \insertpart};
113
114         % Separation line
115         \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading);
116         \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);
117     \end{tikzpicture}}
118
119 % Section frame layout
120 \defbeamertemplate*{section page}{MWG}{%
121     \ifx\insertframetitle\empty \frametitle{~} \fi
122
123     \begin{tikzpicture}[remember picture, overlay]
124         % Section title
125         \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]%
126             {\usebeamerfont*{section title}\usebeamercolor*{title}\thesection.~ \insertsection};
127
128         % Separation line
129         \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading);
130         \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);
131     \end{tikzpicture}}
132
133 % Subsection frame layout
134 \defbeamertemplate*{subsection page}{MWG}{%
135     \ifx\insertframetitle\empty \frametitle{~} \fi
136
137     \begin{tikzpicture}[remember picture, overlay]
138         % Section title
139         \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]%
140             {\usebeamerfont*{section title}\usebeamercolor*{title}\thesection.~ \insertsection};
141
142         % Separation line
143         \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading);
144         \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);

```

```

145
146     % Subsection title
147     \draw (current page.west) ++(2em, -0.3em) node[anchor=north west, align=left]%
148         {\usebeamerfont*{subsection title}\usebeamercolor*{title}\thesection.\thesubsection~ \insertsubsection}
149     \end{tikzpicture}}
150
151 % Appendix part frame layout
152 \defbeamertemplate{part page}{appendix}{%
153     \ifx\insertframetitle\empty \frametitle{~} \fi
154
155     \begin{tikzpicture}[remember picture, overlay]
156         % "Appendix" label
157         \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]%
158             {\usebeamerfont*{part title}\usebeamercolor*{title}\insertpart};
159
160         % Separation line
161         \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading);
162         \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);
163     \end{tikzpicture}}
164
165
166
167 % OUTERSTYLING (Frame layout) -----
168
169 % Activates the "compress" option; this results in miniframes being shown in the same row
170 \beamer@compresstrue
171
172 % Defines the basic headline style
173 \defbeamertemplate*{headline}{informatikmwg}{\begin{beamercolorbox}[ht=2.75ex,dp=1.125ex]{section in head/footer}
174     \insertsectionnavigationhorizontal{\linewidth}{\}{\hskip0pt plus1filll}%
175 \end{beamercolorbox}}
176
177 % Decides which style to use -- depending, whether the "notoc" or "noheadline" option has been passed to the t
178 \ifbeamer@showheadline\else\setbeamertemplate{headline}{\}\fi
179
180
181 % Template for framenumbers:
182 % none          no framenumbers are shown (not recommended!)
183 % counter      a simple frame counter (Example: 1)
184 % fraction     framenumbers are shown as current frame / total frames (Example: 1 / 10)
185 % appendix     An "Appendix" remark instead of frame numbers on appendix frames
186 \defbeamertemplate{frame numbering}{none}{}
187 \defbeamertemplate{frame numbering}{counter}{\insertframenumber}
188 \defbeamertemplate{frame numbering}{fraction}{\insertframenumber\ / \inserttotalframenumber}
189 \defbeamertemplate{frame numbering}{appendix}{\appendixname}
190
191 % Selects default template: current frame / total frames

```

```

192 \setbeamertemplate{frame numbering}[fraction]
193
194
195
196 % The footline template, without logo, but featuring “scruffy” frame numbers
197 \defbeamertemplate*{footline}{InformatikMWG}{%
198   \begin{beamercolorbox}[wd=\paperwidth,ht=2.75ex,dp=.5ex,leftskip=10ex,rightskip=3ex]{footline}
199     \usebeamerfont*{meta information}
200     \insertshortinstitute
201     \hfill {\usebeamerfont{frame number} \usebeamertemplate{frame numbering}}
202   \end{beamercolorbox}
203   \begin{beamercolorbox}[wd=\paperwidth,ht=2.75ex,dp=1.125ex,leftskip=10ex,rightskip=3ex]{footline}
204     \usebeamerfont*{meta information}
205     \insertshortauthor
206     \ifx\beamer@shortauthor\@empty\else\ifx\beamer@shorttitle\@empty\else
207       :\quad%
208     \fi\fi
209     \insertshorttitle
210     \hfill \ifx\insertshortdate\@empty\else \insertshortdate \fi
211   \end{beamercolorbox}
212   \ifbeamer@draft\else% TODO: Logo
213   \fi
214 }
215
216 % Remove the logo from the right sidebar
217 \defbeamertemplate*{sidebar right}{InformatikMWG}{%
218   \vfill%
219   \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
220   \vskip2pt%
221 }
222
223

```

## Font theme

Define the font for elements on the title frame:

```

224 \setbeamerfont*{title}{size=\Large, series=\bfseries, shape=\scshape}
225 \setbeamerfont*{subtitle}{series=\bfseries}
226 \setbeamerfont*{author}{size=\small}
227 \setbeamerfont*{institute}{size=\small}
228 \setbeamerfont*{date}{size=\small}

```

Use a bold font for the frame title:

```

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

```

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



```

231 \setbeamerfont*{headline}{size=\tiny}
232 \setbeamerfont*{section in head/foot}{size=\tiny}
233 \setbeamerfont*{footline}{size=\tiny, shape=\scshape}
234 \setbeamerfont*{meta information}{parent=footline}
235 \setbeamerfont*{frame number}{size=\tiny, shape=\scshape}

```

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

```

236 \setbeamerfont*{part name}{size=\LARGE, series=\bfseries, shape=\scshape}
237 \setbeamerfont*{part title}{size=\LARGE, series=\bfseries, shape=\scshape}

```

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

```

238 \setbeamerfont*{section name}{size=\Large, shape=\scshape}
239 \setbeamerfont*{section title}{size=\Large, shape=\scshape}

```

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

```

240 \setbeamerfont*{subsection name}{size=\large, shape=\itshape}
241 \setbeamerfont*{subsection title}{size=\large, shape=\itshape}

```

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

```

242 \setbeamerfont*{section in toc}{parent=structure, size=\large, shape=\scshape}
243 \setbeamerfont*{section in toc shaded}{parent=section in toc}
244 \setbeamerfont*{section number projected}%
245   {size=\small, parent={section in toc,projected text}}
246 \setbeamerfont*{subsection in toc}{size=\small}
247 \setbeamerfont*{subsection in toc shaded}{parent=subsection in toc}
248 \setbeamerfont*{subsubsection in toc}{size=\footnotesize}
249 \setbeamerfont*{subsubsection in toc shaded}{parent=subsubsection in toc}

```

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

```

250 \setbeamerfont*{caption}{size=\small, shape=\itshape}
251 \setbeamerfont*{caption name}{parent={structure}, size=\small, shape=\scshape}

```

Use \tiny button captions:

```

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

```

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

```

253 \setbeamerfont*{block title}%
254   {parent={structure,block body}, size=\large, shape=\scshape}
255 \setbeamerfont*{block body}{}
256 \setbeamerfont*{block body example}{}
257 \setbeamerfont*{block title example}{parent={block title,example text}}
258 \setbeamerfont*{block title alerted}{parent={block title,alerted text}}
259 \setbeamerfont*{block body alerted}{}

```

Use italics for enumerate items:

```

260 \setbeamerfont*{item}{parent=structure}
261 \setbeamerfont*{itemize item}{parent=item}
262 \setbeamerfont*{enumerate item}{shape=\itshape, parent=item}
263 \setbeamerfont*{itemize/enumerate body}{}

```

Apply the items' font settings to subitems:

```
264 \setbeamerfont*{subitem}{parent=item}
265 \setbeamerfont*{itemize subitem}{parent=subitem}
266 \setbeamerfont*{enumerate subitem}{shape=\itshape, parent=subitem}
267 \setbeamerfont*{itemize/enumerate subbody}{size=\small}
```

Apply the subitems' font settings to subsubitems:

```
268 \setbeamerfont*{subsubitem}{parent=subitem}
269 \setbeamerfont*{itemize subsubitem}{parent=subsubitem}
270 \setbeamerfont*{enumerate subsubitem}{shape=\itshape, parent=subsubitem}
271 \setbeamerfont*{itemize/enumerate subsubbody}{size=\footnotesize}
```

Use a bold font for description items:

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

## Color theme

Define a set of basic colors:

```
273 \definecolor{MWGRed}{RGB}{100,29,27}
274 \definecolor{MWGGreen}{RGB}{166,214,35}
275 \definecolor{MWGGrey}{RGB}{80,80,80}
```

Set up the basic color scheme:

```
276 \setbeamercolor{normal text}{fg=black,bg=white}
277 \setbeamercolor{alerted text}{fg=red}
278 \setbeamercolor{example text}{fg=green!50!black}
```

Use MWGRed for structure items:

```
279 \setbeamercolor{structure}{fg=MWGRed}
280 \setbeamercolor{local structure}{parent=structure}
```

Define the color palette:

```
281 \setbeamercolor*{palette primary}{fg=white,bg=MWGRed}
282 \setbeamercolor*{palette secondary}{fg=black,bg=MWGGreen}
283 \setbeamercolor*{palette tertiary}{fg=black,bg=MWGGrey}
284 \setbeamercolor*{palette quaternary}{fg=black,bg=white}
```

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

```
285 \setbeamercolor*{title}{parent=normal text}
286 \setbeamercolor*{author}{parent=normal text}
287 \setbeamercolor*{institute}{parent=normal text}
288 \setbeamercolor*{titlegraphic}{parent=normal text}
```

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

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

Set up the colors used in the Table of Contents:

```
291 \setbeamercolor*{section in toc}{parent=structure}
```

```

292 \setbeamercolor*{section in toc shaded}{parent=section in toc}
293 \setbeamercolor*{section number projected}{parent=item projected}
294 \setbeamercolor*{subsection in toc}{}
295 \setbeamercolor*{subsection in toc shaded}{parent=subsection in toc}
296 \setbeamercolor*{subsection number projected}{parent={subitem projected}}
297 \setbeamercolor*{subsubsection in toc}{parent=subsection in toc}
298 \setbeamercolor*{subsubsection in toc shaded}{parent=subsubsection in toc}
299 \setbeamercolor*{subsubsection number projected}{parent=subsubitem projected}

```

Apply the structure color template to the logo:

```
300 \setbeamercolor*{logo}{parent=structure}
```

Apply the primary colors to frametitle and -subtitle:

```

301 \setbeamercolor*{frametitle}{parent=palette primary}
302 \setbeamercolor*{framesubtitle}{parent=palette primary}

```

Use the structure color for footnotes:

```

303 \setbeamercolor*{footnote}{parent=structure}
304 \setbeamercolor*{footnote mark}{fg=.}

```

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

```

305 \setbeamercolor*{caption}{}
306 \setbeamercolor*{caption name}{fg=structure}

```

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

```

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

```

Use a lighter MWGRed for the navigation symbols:

```

309 \setbeamercolor*{navigation symbols}{fg=MWGRed!40!bg}
310 \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:

```

311 \setbeamercolor*{block title}{parent=palette primary}
312 \setbeamercolor*{block body}%
313   {parent=normal text, use=block title, bg=block title.bg!20!bg}
314 \setbeamercolor*{block title alerted}%
315   {use=alerted text, fg=white, bg=alerted text.fg!85!black!80!white}
316 \setbeamercolor*{block body alerted}%
317   {parent=normal text, use=block title alerted, bg=block title alerted.bg!20!bg}
318 \setbeamercolor*{block title example}{parent=palette secondary}
319 \setbeamercolor*{block body example}%
320   {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:

```

321 \setbeamercolor*{item}{parent=local structure}
322 \setbeamercolor*{item projected}{parent=item,use=item,fg=white,bg=item.fg}
323 \setbeamercolor*{enumerate item}{parent=item}
324 \setbeamercolor*{itemize item}{parent=item}
325 \setbeamercolor*{itemize/enumerate body}{}

```

Apply the items' color to the subitems:

```
326 \setbeamercolor*{subitem}{parent=item}
327 \setbeamercolor*{subitem projected}{parent=item projected}
328 \setbeamercolor*{enumerate subitem}{parent=subitem}
329 \setbeamercolor*{itemize subitem}{parent=subitem}
330 \setbeamercolor*{itemize/enumerate subbody}{}
```

Apply the subitems' color to the subsubitems:

```
331 \setbeamercolor*{subsubitem}{parent=subitem}
332 \setbeamercolor*{subsubitem projected}{parent=subitem projected}
333 \setbeamercolor*{enumerate subsubitem}{parent=subsubitem}
334 \setbeamercolor*{itemize subsubitem}{parent=subsubitem}
335 \setbeamercolor*{itemize/enumerate subsubbody}{}
```

Apply the item's color to description items:

```
336 \setbeamercolor*{description item}{parent=item}
```

Use different tints of MWGRed for the bibliography:

```
337 \setbeamercolor*{bibliography item}{parent=item}
338 \setbeamercolor*{bibliography entry author}{fg=MWGRed}
339 \setbeamercolor*{bibliography entry title}{use=normal text}
340 \setbeamercolor*{bibliography entry location}{fg=MWGRed!65!bg}
341 \setbeamercolor*{bibliography entry note}{fg=MWGRed!65!bg}
```

Use MWGRed for the separation line:

```
342 \setbeamercolor*{separation line}{fg=MWGRed}
```

Use MWGRed for the abstract's title:

```
343 \setbeamercolor*{abstract}{}
344 \setbeamercolor*{abstract title}{parent=MWGRed}
```

Use no special color for verses:

```
345 \setbeamercolor*{verse}{}{}
```

Use no special colors for quotes:

```
346 \setbeamercolor*{quotation}{}
347 \setbeamercolor*{quote}{parent=quotation}
```

Use MWGRed for the qed symbol:

```
348 \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

```
349 \def\maketitle{%
350   \ifbeamer@inframe\titlepage%
351   \else%
352     \setbeamertemplate{frame numbering}[none]%

```

```

353     \frame{\titlepage}%
354     \setbeamertemplate{frame numbering}[fraction]%
355     \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

```

356 \newcommand{\partframe}{%
357     \ifbeamer@inframe\partpage%
358     \else%
359         \frame{\partpage}%
360         \addtocounter{framenum}{-1}%
361     \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

```

362 \newcommand{\sectionframe}{%
363     \ifbeamer@inframe\sectionpage%
364     \else%
365         \frame{\sectionpage}%
366         \addtocounter{framenum}{-1}%
367     \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

```

368 \newcommand{\subsectionframe}{%
369     \ifbeamer@inframe\subsectionpage%
370     \else%
371         \frame{\subsectionpage}%
372         \addtocounter{framenum}{-1}%
373     \fi}

```

## Commands influencing the class' behavior

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

```

374 \newcommand{\activatepartframes}{\AtBeginPart{\partframe}}

```

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

```

375 \newcommand{\deactivatepartframes}{\AtBeginPart{}}

```

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

```

376 \newcommand{\activatesectionframes}{\AtBeginSection{\sectionframe}}

```

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

```

377 \newcommand{\deactivatesectionframes}{\AtBeginSection{}}

```

activatesubsectionframes    Activate insertion of subsection frames at the beginning of a subsection  
378 \newcommand{\activatesubsectionframes}{\AtBeginSubsection{\subsectionframe{}}}

deactivatesubsectionframes    Deactivate insertion of subsection frames at the beginning of a subsection  
379 \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.

```
380 \mode<all>  
381 \endinput
```