

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^AT_EX 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 ϵ -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 wheter `\insertmainframenummer`, introduced with version 3.49, is undefined:

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

Load the Fira fonts

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

```
43 \if@informatikmwgbeamer@xeorluatex
```

X_YLaTeX and LuaLaTeX: Require fontspec and load the OpenType fonts

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

Disable fontspec's commands for switching fonts:

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

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

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

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

```
60 \usepackage{newtxsf}
```

Class options

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

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

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

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

Processes the options passed to the class:

```
67 \ProcessOptionsBeamer
```

Appendix stuff

TODO: Adapt code and documentation stuff to the frame numbers with progress bar

```

68 \newif\ifbeamer@insideappendix
69 \beamer@insideappendixfalse
70 \AtBeginDocument{\apptocmd{\appendix}{%
71   \beamer@insideappendixtrue
72   %\setbeamertemplate{frame numbering}[none]
73 %   \ifbeamer@showheadline \setbeamertemplate{mwgheadline}[notoc] \fi
74   \setbeamertemplate{part page}[InformatikMWGAppendix]
75   \frame{\partpage}
76   \addtocounter{framenumber}{-1}
77   %\setbeamertemplate{frame numbering}[appendix]}{}{}}
78 }

```

Innerstyling, Part I (Item templates)

Reset the style of all items

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

Itemization template: triangle / dash / bullet points

```

80 \setbeamertemplate{itemize item}[default]
81 \setbeamertemplate{itemize subitem}{--}
82 \setbeamertemplate{itemize subsubitem}[circle]

```

Table of Contents: Draw boxes around section numbers

```
83 \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.

```
84 \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.

```

85
86 % Title frame layout
87 \defbeamertemplate*{title page}{InformatikMWG}{%
88   \ifx\insertframetitle\@empty \frametitle{~} \fi
89
90   \begin{tikzpicture}[remember picture, overlay]
91     % Presentation title
92     \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]{%
93       {{\usebeamerfont*{title}\usebeamerfont*{title}\ifx\inserttitle\@empty\else\inserttitle\fi}%
94       \ifx\inserttitle\@empty\else \ifx\insertsubtitle\@empty\else \ \ \fi\fi}%

```

```

95         {\usebeamerfont*{subtitle}\usebeamercolor*{subtitle}\ifx\insertsubtitle\@empty\else\insertsubt
96
97     % Separation line
98     \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading)
99     \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);
100
101     % Author & institute
102     \draw (current page.west) ++(2em, -0.3em) node[anchor=north west, align=left]%
103         {\usebeamerfont*{author}\usebeamercolor*{author}\ifx\beamer@shortauthor\@empty\else\insertauthor\
104         {\usebeamerfont*{institute}\usebeamercolor*{institute}\ifx\insertinstitute\@empty\else\inserti
105         \ifx\insertinstitute\@empty\else \ifx\insertdate\@empty\else \[\smallskipamount] \fi\fi%
106         {\usebeamerfont*{date}\usebeamercolor*{date}\ifx\insertdate\@empty\else\insertdate\fi}};
107     \end{tikzpicture}}
108
109 % Part frame layout
110 \defbeamertemplate*{part page}{InformatikMWG}{%
111     \ifx\insertframetitle\@empty \frametitle{~} \fi
112
113     \begin{tikzpicture}[remember picture, overlay]
114         % Part title
115         \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]%
116             {\usebeamerfont*{part title}\usebeamercolor*{title}\insertromanpartnumber.~ \insertpart};
117
118         % Separation line
119         \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading)
120         \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);
121     \end{tikzpicture}}
122
123 % Section frame layout
124 \defbeamertemplate*{section page}{InformatikMWG}{%
125     \ifx\insertframetitle\@empty \frametitle{~} \fi
126
127     \begin{tikzpicture}[remember picture, overlay]
128         % Section title
129         \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]%
130             {\usebeamerfont*{section title}\usebeamercolor*{title}\thesection.~ \insertsection};
131
132         % Separation line
133         \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading)
134         \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);
135     \end{tikzpicture}}
136
137 % Subsection frame layout
138 \defbeamertemplate*{subsection page}{InformatikMWG}{%
139     \ifx\insertframetitle\@empty \frametitle{~} \fi
140
141     \begin{tikzpicture}[remember picture, overlay]

```

```

142      % Section title
143      \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]%
144          {\usebeamerfont*{section title}\usebeamercolor*{title}\thesection.~ \insertsection};
145
146      % Separation line
147      \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading)
148      \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);
149
150      % Subsection title
151      \draw (current page.west) ++(2em, -0.3em) node[anchor=north west, align=left]%
152          {\usebeamerfont*{subsection title}\usebeamercolor*{title}\thesection.\thesubsection~ \insertsubsection};
153      \end{tikzpicture}}
154
155 % Appendix part frame layout
156 \defbeamertemplate{part page}{InformatikMWGAppendix}{%
157     \ifx\insertframetitle\@empty \frametitle{~} \fi
158
159     \begin{tikzpicture}[remember picture, overlay]
160         % "Appendix" label
161         \draw (current page.west) ++(2em, 0.6em) node[anchor=base west, align=left]%
162             {\usebeamerfont*{part title}\usebeamercolor*{title}\insertpart};
163
164         % Separation line
165         \draw[MWGRed, very thick] (current page.west) ++(2.2em,0) -- ++(.5\textwidth,0) coordinate (startfading)
166         \draw[MWGRed, very thick, path fading=east] (startfading) -- (current page.east);
167     \end{tikzpicture}}

```

Outerstyling (Frame components)

Headline

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

```
168 \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:

```

169 \defbeamertemplate*{headline}{informatikmwg}{%
170     \begin{beamercolorbox}[ht=2.75ex,dp=1.125ex]{section in head/foot}
171         \insertsectionnavigationhorizontal{\linewidth}{\hskip0pt plus1filll}%
172     \end{beamercolorbox}}

```

Remove the headline when the noheadline option is used:

```
173 \ifbeamer@showheadline\else\setbeamertemplate{headline}{}\fi
```

Footline

Meta information

The footline 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

```

174 \defbeamertemplate*{footline}{InformatikMWG}{%
175   \begin{beamercolorbox}%
176     [wd=\paperwidth,ht=2.75ex,dp=.5ex,leftskip=10ex,rightskip=3ex]{footline}
177     \usebeamerfont*{meta information}
178     \insertshortinstitute
179   \end{beamercolorbox}%
180   \begin{beamercolorbox}%
181     [wd=\paperwidth,ht=2.75ex,dp=1.125ex,leftskip=10ex,rightskip=3ex]{footline}
182     \usebeamerfont*{meta information}
183     \insertshortauthor
184     \ifx\beamer@shortauthor\@empty\else\ifx\beamer@shorttitle\@empty\else
185       :\quad%
186     \fi\fi
187     \insertshorttitle
188   \end{beamercolorbox}%

```

The logo

TODO: Insert the logo

```

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

```

Frame numbers

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

```

193   \begin{tikzpicture}[overlay]\large
194     \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”.

```

195     \ifbeamer@insideappendix
196       \fill[fill=MWGRed] (\paperwidth-2.5ex,1.8125ex) circle (3.0ex);
197     \else
198       \fill[fill=MWGRed!40] (\paperwidth-2.5ex,1.8125ex) circle (3.0ex);
199     \fi

```

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

```

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

```

Now, check whether beamer’s advanced frame numbering is provided:

```

201     \ifx\insertmainframenum\@undefined

```

The \insertmainframenum command is undefined, so beamer’s advanced frame numbering is *not* available and the appendixnumberbeamer package should have been loaded. Insert the current frame number and draw the progress bar if the presentation has got more than 0 frames.


```

202      \node[anchor=mid,MWGRRed] at (\paperwidth-2.5ex,1.8125ex)
203      {\ifbeamer@insideappendix+\,\fi\insertframenumber};
204      \ifthenelse{\inserttotalframenumber > 0}{%
205        \draw[MWGRRed,line width=.5125ex] ({\paperwidth-2.5ex},-.9375ex)
206        arc (270:{226.5-202*(\insertframenumber/\inserttotalframenumber)}:2.75ex);}{%
207      \else

```

The `\insertmainframenumber` command is defined, so beamer's advanced frame numbering is available. Insert the current frame number and draw the progress bar if the presentation has got more than 0 frames in the main part.

```

208      \node[anchor=mid,MWGRRed] at (\paperwidth-2.5ex,1.8125ex)
209      {\ifbeamer@insideappendix+\,\fi\insertframenumberinappendix%
210      \else\insertframenumber%
211      \fi};
212      \ifbeamer@inappendix\else\ifthenelse{\insertmainframenumber > 0}{%
213        \draw[MWGRRed,line width=.5125ex] ({\paperwidth-2.5ex},-.9375ex)
214        arc (270:{226.5-202*(\insertframenumber/\insertmainframenumber)}:2.75ex);}{%
215      \fi

```

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

```

216      \draw[MWGRRed,line width=.5125ex] ({\paperwidth-2.5ex},-.9375ex)
217      arc (270:384.5:2.75ex);
218    \end{tikzpicture}}

```

Sidebars

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

```

219 \defbeamertemplate*{sidebar right}{InformatikMWG}{%
220   \vfill%
221   \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
222   \vskip2pt}

```

Font theme

Define the font for elements on the title frame:

```

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

```

Use a bold font for the frame title:

```

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

```

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

```

230 \setbeamerfont*{headline}{size=\tiny}

```

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

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

```

Use \tiny button captions:

```

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

```

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

```

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

```

Use italics for enumerate items:

```

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

```

Apply the items' font settings to subitems:

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

Apply the subitems' font settings to subsubitems:

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

Use a bold font for description items:

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

Color theme

Define a set of basic colors:

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

Set up the basic color scheme:

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

Use MWGRed for structure items:

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

Define the color palette:

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

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

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

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

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

Set up the colors used in the Table of Contents:

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

```

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

```

Apply the structure color template to the logo:

```

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

```

Apply the primary colors to frametitle and -subtitle:

```

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

```

Use the structure color for footnotes:

```

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

```

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

```

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

```

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

```

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

```

Use a lighter MWGRed for the navigation symbols:

```

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

```

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

```

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

```

Apply the items' color to the subitems:

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

Apply the subitems' color to the subsubitems:

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

Apply the item's color to description items:

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

Use different tints of MWGRed for the bibliography:

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

Use MWGRed for the separation line:

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

Use MWGRed for the abstract's title:

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

Use no special color for verses:

```
344 \setbeamercolor*{verse}{{}}
```

Use no special colors for quotes:

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

Use MWGRed for the qed symbol:

```
347 \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

TODO: Apply the code to the new frame numbers

```
348 \def\maketitle{%
349     \ifbeamer@inframe\titlepage%
350     \else%
```

```

351      %\setbeamertemplate{frame numbering}[none]%
352      \frame{\titlepage}%
353      %\setbeamertemplate{frame numbering}[fraction]%
354      \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

```

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

```

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

```

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

```

Commands influencing the class' behavior

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

```

373 \newcommand{\activatepartframes}{\AtBeginPart{\partframe}}

```

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

```

374 \newcommand{\deactivatepartframes}{\AtBeginPart{}}

```

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

```

375 \newcommand{\activatesectionframes}{\AtBeginSection{\sectionframe}}

```

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

```

376 \newcommand{\deactivatesectionframes}{\AtBeginSection{}}

```

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

atesubsectionframes Deactivate insertion of subsection frames at the beginning of a subsection
378 \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.

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