Modern Beamer Presentations
with the
MTHEME package

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v0.x.x

1 Introduction

Beamer is an awesome way to make presentations with LaTeX. But the stock themes do not necessarily look particularly nice and the custom themes often scream "Beamer" at first sight. The goal of MTHEME is to provide a modern Beamer theme with minimal visual noise. It provides section slides with a neat progress bar and It is intended to be used with Fira Sans, a gorgeous typeface commissioned by Mozilla and designed by Carrois. Hence to get the best results you should have installed the Fira typeface and use XeTeX to typeset your slides. Nevertheless this is no hard dependency. The theme also works fine with pdfTeX and the Computer Modern typeface.

The codebase is maintained on GitHub. So if you have issues, find mistakes in the manual or want to contribute – to make the theme even better – get in touch there.

2 Getting Started

2.1 Installation

The MTHEME uses Make as build system. Hence the installation is very straight forward. Simply type

```
$ make
$ make install
```

in the top directory and all the files will be created and installed on your computer. The complete list of make rules is as follows:

all
> Build the theme, the manual and the demo presentation.

install
> Install the theme into your local texmf folder.

uninstall
> Remove the theme from your local texmf folder.

sty
> Build the manual.

manual
> Build the manual.

demo
> Build the demo presentation.

ctan
> Create a package for CTAN distribution.

2.2 Dependencies

- XeLaTeX
- Fira Sans and Mono font
- TikZ

Depending on the Linux distribution, the packaged name of `Fira Sans` might be `Fira Sans OT` instead of `Fira Sans`. In that case, you may have to edit `beamerfontthememetropolis.dtx`. You may also need to install Fira Sans; see the `contrib/` directory for more. Users of Debian or Ubuntu can also install this .deb package containing the theme files as well as the Fira Sans font files.

2.3 Pandoc

To use this theme with Pandoc-based presentations, you can run the following command

```
$ pandoc -t beamer --latex-engine=xelatex -V theme:m -o
    output.pdf input.md
```

2.4 A Minimal Example

To get started with the theme is very simple. The following code shows a minimal example of a Beamer presentation using the MTHEME.

```latex
\documentclass[10pt]{beamer}
\usetheme{m}                        % load mtheme
\title{A modern beamer theme}       % define title
\date{\today}                       % define date
\author{Matthias Vogelgesang}       % define author
\institute{Institute}               % define institute
\begin{document}
\maketitle                          % create titlepage
\section{First Section}             % create section
\begin{frame}{First Frame}          % first frame
  Lorem ipsum dolor sit amet, ...
\end{frame}
\begin{frame}{Second Frame}         % second frame
  Lorem ipsum dolor sit amet, ...
\end{frame}
\end{document}
```

3 Customization

3.1 Package options

The theme provides a number of options. To use any of the options below, call them when invoking MTHEME in the preamble of the slides, i.e.

3

`\usetheme[<options>]{m}`

usetitleprogressbar	Adds a thin progress bar similar to the section progress bar underneath each frame title.
protectframetitle	In order to use `\cite`, `\ref` and similar commands in a frame title you have to protect the title. This can be done automatically with this option.
blockbg	Adds background color to the blocks similar to other beamer themes.
nooffset	By default, the MTHEME adds `\vspace{2em}` after the frametitle to center content vertically on the frame. This option removes this additional space in order to get more content per slide.
nosectionslide	By default when using the `\section` command, a slide is created with just the title and the progress bar on it. This option prevents the creation of these additional slides.
usetotalslideindicator	By default, only the current page number is printed in the lower right corner. This option changes the slide numbering format to `#current/#total`.
noslidenumbers	Omits slide numbers entirely.
darkcolors	Makes the background dark and the foreground light.

3.2 Color Customization

The included metropolis color theme is used by default, but its colors can be easily changed to suit your tastes. All of the theme's styles are defined in terms of three beamer colors:

- `normal text` (dark fg, light bg)
- `alerted text` (colored fg, should be visible against dark or light)
- `example text` (colored fg, should be visible against dark or light)

An easy way to customize the theme is to redefine these colors using

`\setbeamercolor{ ... }{ fg= ... , bg= ... }`

4

in your preamble. For greater customization, you can redefine any of the other colors in `beamercolorthememetropolis`, including progress bar.

3.3   Title Formatting

The main title, section titles, and frame titles are all formatted according to the custom command `\mthemetitleformat`. By default, this is equivalent to `\scshape` and sets the titles in small capitals, but you can change it in your preamble. For example:

```
% no small capitals
\renewcommand{\mthemetitleformat}{}
% all small capitals
\renewcommand{\mthemetitleformat}{\scshape\MakeLowercase}
% all capitals
\renewcommand{\mthemetitleformat}{\MakeUppercase}
```

Note that `\MakeLowercase` and `\MakeUppercase` can have unexpected behaviour in math mode, are disabled when `protectframetitle` is used, and cause crashes when an unprotected frametitle appears on a slide with `allowframebreaks`.

3.4   Commands

The `\plain{title=[]}{<body>}` command sets a slide in plain dark colors which can be useful to focus attention on a single sentence or image.

3.5   pgfplot styles

The beamer theme also contains pre-defined pgfplot styles. Use the `mlineplot` key to plot line data and `mbarplot` or horizontal `mbarplot` to plot bar charts.

4 Known Issues

5 License

The theme itself is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License. This means that if you change the theme and re-distribute it, you must retain the copyright notice header and license it under the same CC-BY-SA license. This does not affect the presentation that you create with the theme.

6 Contributors

For a full list of contributors please visit the GitHub Repository.

7 Implementation

Options

```
1 \newif\if@useTitleProgressBar
2 \@useTitleProgressBarfalse
3 \DeclareOptionBeamer{usetitleprogressbar}{
4    \@useTitleProgressBartrue
5 }
```

usetotalslideindicator

```
6 \newif\if@useTotalSlideIndicator
7 \@useTotalSlideIndicatorfalse
8 \DeclareOptionBeamer{usetotalslideindicator}{
9    \@useTotalSlideIndicatortrue
10 }
```

noslidenumbers

```
11 \newif\if@noSlideNumbers
12 \@noSlideNumbersfalse
13 \DeclareOptionBeamer{noslidenumbers}{
14    \@noSlideNumberstrue
15 }
```

nosectionslide

```
16 \newif\if@noSectionSlide
17 \@noSectionSlidefalse
18 \DeclareOptionBeamer{nosectionslide}{
19   \@noSectionSlidetrue
20 }
```

protectframetitle

```
21 \newif\if@protectFrameTitle
22 \@protectFrameTitlefalse
23 \DeclareOptionBeamer{protectframetitle}{
24   \@protectFrameTitletrue
25 }
```

nooffset

```
26 \newlength{\@mtheme@voffset}
27 \setlength{\@mtheme@voffset}{2em}
28 \DeclareOptionBeamer{nooffset}{
29   \setlength{\@mtheme@voffset}{0em}
30 }
```

blockbg

```
31 \DeclareOptionBeamer{blockbg}{
32   \PassOptionsToPackage{blockbg}{beamercolorthememetropolis}%
33 }
```

darkcolors

```
34 \DeclareOptionBeamer{darkcolors}{
35   \PassOptionsToPackage{darkcolors}{beamercolorthememetropolis}%
36 }
```

Unknown option error handling

```
37 \DeclareOptionBeamer*{
38   \PackageWarning{beamerthemem}{Unknown option `\CurrentOption'}%
39 }
40 \ProcessOptionsBeamer
```

mthemetitleformat

\mthemetitleformat

```
41 \def\mthemetitleformat#1{\scshape #1}
```

7

```
42 \mode<presentation>
```

Packages

```
43 \RequirePackage{etoolbox}
44 \RequirePackage{tikz}
45 \RequirePackage{pgfplots}
46 \RequirePackage{ifxetex,ifluatex}
47 \newif\ifxetexorluatex
48 \ifxetex
49   \xetexorluatextrue
50 \else
51   \ifluatex
52     \xetexorluatextrue
53   \else
54     \xetexorluatexfalse
55   \fi
56 \fi
57 \usetikzlibrary{backgrounds}
58 \usetikzlibrary{calc}
59 \usecolortheme{metropolis}
60 \ifxetexorluatex
61   \usefonttheme{metropolis}
62 \else
63   \PackageWarning{beamerthemem}{You need to compile with XeLa-
  TeX or LuaLaTeX for the Fira fonts.}
64 \fi
```

Make Titlepage

\maketitle

```
65 \def\maketitle{\ifbeamer@inframe\titlepage\else\frame[plain]{\titlepage}\fi}
```

Define Titlepage

\titlepage

```
66 \def\titlepage{\usebeamertemplate{title page}}
```

Set beamer title page template

```
67 \setbeamertemplate{title page}
68 {
69   \begin{minipage}[b][\paperheight]{\textwidth}
```

```
70    \vspace*{\@mtheme@voffset}

71

72    \ifx\inserttitlegraphic\@empty\else
73    {% \inserttitlegraphic is nonempty
74      \vbox to 0pt
75         {% display title graphic without changing the posi-
   tion of other elements
76         \vspace*{2em}
77         \usebeamercolor[fg]{titlegraphic}%
78         \inserttitlegraphic%
79      }%
80      \nointerlineskip%
81    }
82    \fi

83

84    \vfill%

85

86    \ifx\inserttitle\@empty\else
87    {{% \inserttitle is nonempty
88      \raggedright%
89      \linespread{1.0}%
90      \usebeamerfont{title}%
91      \usebeamercolor[fg]{title}%
92      \mthemetitleformat{\inserttitle}%
93      \vspace*{0.5em}
94    }}
95    \fi

96

97    \ifx\insertsubtitle\@empty\else
98    {{% \insertsubtitle is nonempty
99      \usebeamerfont{subtitle}%
100     \usebeamercolor[fg]{subtitle}%
101     \insertsubtitle%
102     \vspace*{0.5em}%
103   }}
104   \fi

105

106   \begin{tikzpicture}
107     \usebeamercolor{title separator}
108     \draw[fg] (0, 0) -- (\textwidth, 0);
```

9

```
109      \end{tikzpicture}%
110      \vspace*{1em}%
111
112      \ifx\beamer@shortauthor\@empty\else
113        {{% \insertauthor is always nonempty by beamer's defini-
     tion, so we must
114          % test another macro which is initialized by \author{...}
115      % For details, see http://tex.stackexchange.com/questions/241306/
116          \usebeamerfont{author}%
117          \usebeamercolor[fg]{author}%
118          \insertauthor%
119          \par%
120          \vspace*{0.25em}
121        }}
122      \fi
123
124      \ifx\insertdate\@empty\else
125      {{% \insertdate is nonempty
126          \usebeamerfont{date}%
127          \usebeamercolor[fg]{date}%
128          \insertdate%
129          \par%
130      }}
131      \fi
132
133      \ifx\insertinstitute\@empty\else
134      {{% \insertinstitute is nonempty
135          \vspace*{3mm}
136          \usebeamerfont{institute}%
137          \usebeamercolor[fg]{institute}%
138          \insertinstitute%
139          \par%
140      }}
141      \fi
142
143      \vfill
144      \vspace*{\@mtheme@voffset}
145    \end{minipage}
146 }
```

Progressbar

147 `\RequirePackage{calc}`

`\inserttotalframenumber`

148 `\def\inserttotalframenumber{100}  % prevent \progressbar@percent from get-`
`ting too big on first compile`

149 `\newlength{\progressbar@percent}`

`\progressbar`

150 `\newcommand{\progressbar}[1]{%`
151 `  \setlength{\progressbar@percent}{%`
152 `   #1 * \ratio{\insertframenumber pt}{\inserttotalframenumber pt}%`
153 `  }%`
154 `  \begin{tikzpicture}[tight background]`
155 `    \usebeamercolor{progress bar}`
156 `    \draw[bg, fill=bg] (0,0) rectangle (#1, 0.4pt);`
157 `   \draw[fg, fill=fg] (0,0) rectangle (\progressbar@percent, 0.4pt);`
158 `  \end{tikzpicture}%`
159 `}`

Commands

`\insertsectionHEAD`

160 `\newcommand{\insertsectionHEAD}{%`
161 `   \expandafter\insertsectionHEADaux\insertsectionhead}`

`\insertsectionHEADaux`

162 `\newcommand{\insertsectionHEADaux}[3]{\mthemetitleformat{#3}}%`

Create a plain frame with dark background

`\plain`

163 `\newcommand{\plain}[2][]{%`
164 `  \begingroup`
165 `   \setbeamercolor{background canvas}{use=palette primary,parent=palette pri-`
`mary}`
166 `    \begin{frame}{#1}`
167 `      \centering`
168 `      \vfill`
169 `      \vspace{1em}`

```
170        \usebeamercolor[fg]{palette primary}
171        \usebeamerfont{section title}
172        \mthemetitleformat{#2}
173        \vfill
174      \end{frame}
175    \endgroup
176 }
```

Itemize tweaks

```
177 \setlength{\leftmargini}{1em}
178 \setlength{\leftmarginii}{1em}
179 \setlength{\leftmarginiii}{1em}
```

\itemBullet

```
180 \newcommand{\itemBullet}{·}

181 \setbeamertemplate{itemize item}{\itemBullet}
182 \setbeamertemplate{itemize subitem}{\itemBullet}
183 \setbeamertemplate{itemize subsubitem}{\itemBullet}
184 \setlength{\parskip}{0.5em}
```

Block environment

```
185
186 \newlength{\leftrightskip}
187 \if@beamer@metropolis@blockbg
188   \setlength{\leftrightskip}{1ex}
189 \else
190   \setlength{\leftrightskip}{0ex}
191 \fi
192 \setbeamertemplate{block begin}{%
193   \vspace*{1ex}
194   \begin{beamercolorbox}[%
195     ht=2.4ex,
196     dp=1ex,
197     leftskip=\leftrightskip,
198     rightskip=\leftrightskip]{block title}
199       \usebeamerfont*{block title}\insertblocktitle%
200   \end{beamercolorbox}%
201   \vspace*{-1pt}
202   \usebeamerfont{block body}%
203   \begin{beamercolorbox}[%
```

```
204    dp=1ex,
205    leftskip=\leftrightskip,
206    rightskip=\leftrightskip,
207    vmode]{block body}%
208 }
209 \setbeamertemplate{block end}{%
210   \end{beamercolorbox}
211   \vspace*{0.2ex}
212 }
```

Alerted block environment

```
213 \setbeamertemplate{block alerted begin}{%
214   \vspace*{1ex}
215   \begin{beamercolorbox}[%
216     ht=2.4ex,
217     dp=1ex,
218     leftskip=\leftrightskip,
219     rightskip=\leftrightskip]{block title alerted}
220       \usebeamerfont*{block title alerted}\insertblocktitle%
221   \end{beamercolorbox}%
222   \vspace*{-1pt}
223   \usebeamerfont{block body alerted}%
224   \begin{beamercolorbox}[%
225     dp=1ex,
226     leftskip=\leftrightskip,
227     rightskip=\leftrightskip,
228     vmode]{block body}%
229 }
230 \setbeamertemplate{block alerted end}{%
231   \end{beamercolorbox}
232   \vspace*{0.2ex}
233 }
```

Example block environment

```
234 \setbeamertemplate{block example begin}{%
235   \vspace*{1ex}
236   \begin{beamercolorbox}[%
237     ht=2.4ex,
238     dp=1ex,
239     leftskip=\leftrightskip,
240     rightskip=\leftrightskip]{block title example}
```

```
241        \usebeamerfont*{block title example}\insertblocktitle%
242    \end{beamercolorbox}%
243    \vspace*{-1pt}
244    \usebeamerfont{block body example}%
245    \begin{beamercolorbox}[%
246      dp=1ex,
247      leftskip=\leftrightskip,
248      rightskip=\leftrightskip,
249      vmode]{block body}%
250 }
251 \setbeamertemplate{block example end}{%
252    \end{beamercolorbox}
253    \vspace*{0.2ex}
254 }
```

Sections

```
255 \setbeamertemplate{section page}
256 {
257    \vspace{2em}
258    \centering
259    \begin{minipage}{22em}
260      \usebeamercolor[fg]{section title}
261      \usebeamerfont{section title}
262      \insertsectionHEAD\\[-1ex]
263      \progressbar{\textwidth}
264    \end{minipage}
265    \par
266 }
```

Insert frame with section title at every section start

```
267 \if@noSectionSlide\else%
268    \AtBeginSection[]
269    {
270      \ifbeamer@inframe
271        \sectionpage
272      \else
273        \frame[plain,c]{\sectionpage}
274      \fi
275    }
276 \fi
```

Captions

```
277 \setbeamertemplate{caption label separator}{: }
278 \setbeamertemplate{caption}[numbered]
```

Footline/footnote

```
279 \usenavigationsymbolstemplate{}
280 \setbeamertemplate{footline}
281 {%
282 \begin{beamercolorbox}[wd=\textwidth,ht=3ex,dp=3ex,leftskip=0.3cm,rightskip=0.3cm]{
283   \hfill\usebeamerfont{page number in head/foot}%
284 \if@noSlideNumbers%
285   %Purposefully left blank to display no slide number.%
286   \else%
287     \if@useTotalSlideIndicator%
288     \insertframenumber/\inserttotalframenumber%
289     \else%
290     \insertframenumber%
291     \fi%
292   \fi%
293 \end{beamercolorbox}%
294 }
295 \setbeamertemplate{footnote}
296 {%
297   \parindent 0em\noindent%
298   \raggedright
299  \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetex
300 }
```

Frametitle

```
301 \setbeamertemplate{frametitle}{%
302 \nointerlineskip
303 \begin{beamercolorbox}[wd=\paperwidth,leftskip=0.3cm,rightskip=0.3cm,ht=2.5ex,dp=1.5
304 \usebeamerfont{frametitle}%
305 \if@protectFrameTitle%
306     \mthemetitleformat{\protect\insertframetitle}%
307 \else%
308     \mthemetitleformat{\insertframetitle}%
309 \fi%
310 \end{beamercolorbox}%
311 \if@useTitleProgressBar
```

```
312   \nointerlineskip
313   \begin{beamercolorbox}[wd=\paperwidth,ht=0.4pt,dp=0pt]{frametitle}
314     \progressbar{\paperwidth}
315   \end{beamercolorbox}
316 \fi
317 \vspace{\@mtheme@voffset}
318 }
```

pgfplots
Colors
TolColors from http://www.r-bloggers.com/the-paul-tol-21-color-salute/

```
319 \definecolor{TolColor1}{HTML}{332288}    % dark purple
320 \definecolor{TolColor2}{HTML}{6699CC}    % dark blue
321 \definecolor{TolColor3}{HTML}{88CCEE}    % light blue
322 \definecolor{TolColor4}{HTML}{44AA99}    % light green
323 \definecolor{TolColor5}{HTML}{117733}    % dark green
324 \definecolor{TolColor6}{HTML}{999933}    % dark brown
325 \definecolor{TolColor7}{HTML}{DDCC77}    % light brown
326 \definecolor{TolColor8}{HTML}{661100}    % dark red
327 \definecolor{TolColor9}{HTML}{CC6677}    % light red
328 \definecolor{TolColor10}{HTML}{AA4466}   % light pink
329 \definecolor{TolColor11}{HTML}{882255}   % dark pink
330 \definecolor{TolColor12}{HTML}{AA4499}   % light purple
```

Color cycles

```
331 \pgfplotscreateplotcyclelist{mbarplot cycle}{%
332   {draw=TolColor2, fill=TolColor2!70},
333   {draw=TolColor7, fill=TolColor7!70},
334   {draw=TolColor4, fill=TolColor4!70},
335   {draw=TolColor11, fill=TolColor11!70},
336   {draw=TolColor1, fill=TolColor1!70},
337   {draw=TolColor8, fill=TolColor8!70},
338   {draw=TolColor6, fill=TolColor6!70},
339   {draw=TolColor9, fill=TolColor9!70},
340   {draw=TolColor10, fill=TolColor10!70},
341   {draw=TolColor12, fill=TolColor12!70},
342   {draw=TolColor3, fill=TolColor3!70},
343   {draw=TolColor5, fill=TolColor5!70},
344 }
345 \pgfplotscreateplotcyclelist{mlineplot cycle}{%
346   {TolColor2, mark=*, mark size=1.5pt},
```

```
347   {TolColor7, mark=square*, mark size=1.3pt},
348   {TolColor4, mark=triangle*, mark size=1.5pt},
349   {TolColor6, mark=diamond*, mark size=1.5pt},
350 }
```

Styles

```
351 \pgfplotsset{
352   compat=1.9,
353   mbaseplot/.style={
354     legend style={
355       draw=none,
356       fill=none,
357       cells={anchor=west},
358     },
359     x tick label style={
360       font=\footnotesize
361     },
362     y tick label style={
363       font=\footnotesize
364     },
365     legend style={
366       font=\footnotesize
367     },
368     major grid style={
369       dotted,
370     },
371     axis x line*=bottom,
372   },
373   mlineplot/.style={
374     mbaseplot,
375     xmajorgrids=true,
376     ymajorgrids=true,
377     major grid style={dotted},
378     axis x line=bottom,
379     axis y line=left,
380     legend style={
381       cells={anchor=west},
382       draw=none
383     },
384     cycle list name=mlineplot cycle,
```

```
385    },
386    mbarplot base/.style={
387      mbaseplot,
388      bar width=6pt,
389      axis y line*=none,
390    },
391    mbarplot/.style={
392      mbarplot base,
393      ybar,
394      xmajorgrids=false,
395      ymajorgrids=true,
396      area legend,
397      legend image code/.code={%
398        \draw[#1] (0cm,-0.1cm) rectangle (0.15cm,0.1cm);
399      },
400      cycle list name=mbarplot cycle,
401    },
402    horizontal mbarplot/.style={
403      mbarplot base,
404      xmajorgrids=true,
405      ymajorgrids=false,
406      xbar stacked,
407      area legend,
408      legend image code/.code={%
409        \draw[#1] (0cm,-0.1cm) rectangle (0.15cm,0.1cm);
410      },
411      cycle list name=mbarplot cycle,
412    },
413    disable thousands separator/.style={
414      /pgf/number format/.cd,
415        1000 sep={}
416    },
417  }
418  \mode<all>
```

misc

```
419  \let\otp\titlepage
```

\titlepage

```
420  \renewcommand{\titlepage}{\otp\addtocounter{framenumber}{-1}}
```

`\mreducelistspacing`

```
421 \newcommand{\mreducelistspacing}{\vspace{-\topsep}}

422 \linespread{1.15}
```

Font Definitions

```
423 \RequirePackage[no-math]{fontspec}
424 \defaultfontfeatures{Mapping=tex-text}
425 \setsansfont[BoldItalicFont={Fira Sans Italic},%
426              ItalicFont={Fira Sans Light Italic},%
427              BoldFont={Fira Sans}]{Fira Sans Light}
428 \setmonofont{Fira Mono}
429 \newfontfamily\ExtraLight{Fira Sans ExtraLight}
430 \newfontfamily\Light{Fira Sans Light}
431 \newfontfamily\Book{Fira Sans}
432 \newfontfamily\Medium{Fira Sans Medium}
433 \AtBeginEnvironment{tabular}{%
434     \setsansfont[BoldFont={Fira Sans},%
435                  Numbers={Monospaced}]{Fira Sans Light}%
436     }
```

Font Assignment

```
437 \setbeamerfont{title}{family=\Book, size=\Large}
438 \setbeamerfont{author}{family=\ExtraLight, size=\small}
439 \setbeamerfont{date}{family=\ExtraLight, size=\small}
440 \setbeamerfont{section title}{family=\Book, size=\Large}
441 \setbeamerfont{block title}{family=\Book, size=\normalsize}
442 \setbeamerfont{block title alerted}{family=\Book,size=\normalsize}
443 \setbeamerfont{subtitle}{family=\Light, size=\fontsize{12}{14}}
444 \setbeamerfont{frametitle}{family=\Book, size=\large}
445 \setbeamerfont{caption}{size=\small}
446 \setbeamerfont{caption name}{family=\Book}
447 \setbeamerfont{description item}{family=\Book}
448 \setbeamerfont{page number in head/foot}{size=\scriptsize}
```

Bibliograpy

```
449 \setbeamerfont{bibliography entry author}{family=\Light, size=\normalsize}
450 \setbeamerfont{bibliography entry title}{family=\Book, size=\normalsize}
451 \setbeamerfont{bibliography entry location}{family=\Light, size=\normalsize}
452 \setbeamerfont{bibliography entry note}{family=\Light, size=\small}
453 \linespread{1.15}
```

Options

```
454 \newif\if@beamer@metropolis@blockbg
455 \@beamer@metropolis@blockbgfalse
456 \DeclareOptionBeamer{blockbg}{
457    \@beamer@metropolis@blockbgtrue
458 }
```

darkcolors

```
459 \newif\if@beamer@metropolis@darkcolors
460 \@beamer@metropolis@darkcolorsfalse
461 \DeclareOptionBeamer{darkcolors}{
462    \@beamer@metropolis@darkcolorstrue
463 }
```

Unknown option error handling

```
464 \DeclareOptionBeamer*{%
465  \PackageWarning{beamercolorthememetropolis}{Unknown option `\CurrentOption'}%
466 }
467 \ProcessOptionsBeamer
```

Colors

```
468 \definecolor{mDarkBrown}{HTML}{604c38}
469 \definecolor{mDarkTeal}{HTML}{23373b}
470 \definecolor{mLightBrown}{HTML}{EB811B}
471 \definecolor{mLightGreen}{HTML}{14B03D}
```

Base Colors

```
472 \if@beamer@metropolis@darkcolors
473    \setbeamercolor{normal text}{%
474      fg=black!2,
475      bg=mDarkTeal
476    }
477 \else
478    \setbeamercolor{normal text}{%
479      fg=mDarkTeal,
480      bg=black!2
481    }
482 \fi
483 \setbeamercolor{alerted text}{%
484    fg=mLightBrown
485 }
```

```
486 \setbeamercolor{example text}{%
487   fg=mLightGreen
488 }
```

Derived Colors

```
489 \setbeamercolor{titlelike}{use=normal text, parent=normal text}
490 \setbeamercolor{structure}{%
491   fg=normal text.fg
492 }
```

Frame titles and plain slides

```
493 \setbeamercolor{frametitle}{use=palette primary, parent=palette pri-
    mary}
```

The "primary" palette should be used for the most important navigational
elements, and possibly of other elements. The metropolis color theme uses it
for frame titles and slides.

```
494 \setbeamercolor{palette primary}{%
495   use=normal text,
496   fg=normal text.bg,
497   bg=normal text.fg
498 }
```

Progress bar and title separator

```
499 \setbeamercolor{title separator}{use=progress bar, parent=progress bar}
500 \setbeamercolor{progress bar}{%
501   use=alerted text,
502   fg=alerted text.fg,
503   bg=normal text.bg!50!fg
504 }
```

Blocks

```
505 \if@beamer@metropolis@blockbg
506   \setbeamercolor{block title}{%
507     use=normal text,
508     fg=normal text.fg,
509     bg=normal text.bg!80!fg
510   }
511 \else
512   \setbeamercolor{block title}{use=normal text, parent=normal text}
513 \fi
```

```
514 \setbeamercolor{block title alerted}{%
515     use={block title, alerted text},
516     bg=block title.bg,
517     fg=alerted text.fg
518 }
519 \setbeamercolor{block title example}{%
520     use={block title, example text},
521     bg=block title.bg,
522     fg=example text.fg
523 }
524 \setbeamercolor{block body alerted}{use=block body, parent=block body}
525 \setbeamercolor{block body example}{use=block body, parent=block body}
526 \setbeamercolor{block body}{
527   use={block title, normal text},
528   bg=block title.bg!50!normal text.bg
529 }
```

Footnotes

```
530 \setbeamercolor{footnote}{fg=normal text.fg!90}
531 \setbeamercolor{footnote mark}{fg=.}
532 \mode<all>
```