The beamer theme for the typesetting of thesis defense presentations at the Masaryk University in Brno

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Abstract

This document details the design and the implementation of the fibeamer theme for the beamer document class. Included are technical information for anyone who wishes to extend the theme with their own beamer themes as well as information for ordinary users.

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1 Basic usage

In order to use the fibeamer theme, insert `\usetheme[`⟨*options*⟩`]{fibeamer}` into the preamble of a LaTeX document that uses the beamer document class. Refer to Section 2 for the list of available *options*.

2 Package options

2.1 The fonts option

`\iffibeamer@fonts`

The `fonts` option instructs the package to set up the combination of the font families of Carlito, Arev, Iwona, Dsfont, and DejaVu for the typesetting of text and mathematics. This option is enabled by default.

```
1 \ProvidesPackage{fibeamer/beamerthemefibeamer}[\fibeamer@version]
2 \newif\iffibeamer@fonts
3 \DeclareOptionBeamer{fonts}{\fibeamer@fontstrue}
4 \ExecuteOptionsBeamer{fonts}
```

2.2 The `nofonts` option

The `nofonts` option instructs the package not to alter the currently set text and mathematics font families.

```
\DeclareOptionBeamer{nofonts}{\fibeamer@fontsfalse}
```

2.3 The `microtype` option

`\iffibeamer@microtype`

The `microtype` option instructs the package to use the microtypographic extensions of modern TEX engines, such as pdfTEX, LuaTEX, and (with only partial support) XETEX. This option is enabled by default.

```
\newif\iffibeamer@microtype
\DeclareOptionBeamer{microtype}{\fibeamer@microtypetrue}
\ExecuteOptionsBeamer{microtype}
```

2.4 The `nomicrotype` option

The `nomicrotype` option disables the microtypographic extensions. This may be necessary, if an older TEX engine, such as TEX or ε-TEX, is being used.

```
\DeclareOptionBeamer{nomicrotype}{\fibeamer@microtypefalse}
```

`\fibeamer@university`

2.5 The `university` option

The {⟨`university=`*identifier*⟩} option pair sets the identifier of the university, at which the presentation is being written, to *identifier*. The *identifier* is stored within the `\fibeamer@university` macro, whose implicit value is `mu`. This value corresponds to the Masaryk University in Brno.

```
\DeclareOptionBeamer{university}{\def\fibeamer@university{#1}}
\ExecuteOptionsBeamer{university=mu}
```

`\fibeamer@faculty`

2.6 The `faculty` option

The {⟨`faculty=`*identifier*⟩} pair sets the faculty, at which the thesis is being written, to *domain*. The following faculty *identifier*s are recognized at the Masaryk University in Brno:

The faculty	The *domain* name
The Faculty of Informatics	`fi`
The Faculty of Science	`sci`
The Faculty of Law	`law`
The Faculty of Economics and Administration	`econ`
The Faculty of Social Studies	`fss`
The Faculty of Medicine	`med`
The Faculty of Education	`ped`
The Faculty of Arts	`phil`
The Faculty of Sports Studies	`fsps`

The *identifier* is stored within the `\fibeamer@faculty` macro, whose implicit value is `fi`.

```
\DeclareOptionBeamer{faculty}{\def\fibeamer@faculty{#1}}
\ExecuteOptionsBeamer{faculty=fi}
```

`\fibeamer@locale`

2.7 The `locale` option

The {⟨`locale`=*name*⟩} pair sets the name of the main locale to *name*. The *name* is stored within the `\fibeamer@locale` macro, whose implicit value is the main language of either the babel or the polyglossia package, or `english`, when undefined.

With regards to the themes of the Masaryk University in Brno, the `\fibeamer@locale` macro is not used; it only provides the default value to the `\fibeamer@logoLocale` macro.

```
\def\fibeamer@locale{%
  % Babel / polyglossia detection
  \ifx\languagename\undefined%
  english\else\languagename\fi}
\DeclareOptionBeamer{locale}{%
  \def\fibeamer@locale{#1}}
```

`\fibeamer@logoLocale`

2.8 The `logoLocale` option

The {⟨`logoLocale`=*name*⟩} pair sets the logo file locale to *name*. The *name* is stored within the `\fibeamer@logoLocale` macro, whose implicit value is `\fibeamer@locale`.

```
\def\fibeamer@logoLocale{\fibeamer@locale}
\DeclareOptionBeamer{logoLocale}{%
  \def\fibeamer@logoLocale{#1}}
```

`\fibeamer@basePath`

2.9 The `basePath` option

The {⟨`basePath`=*path*⟩} pair sets the *path* containing the package files. The *path* is prepended to every other path (`\fibeamer@logopath` and `\fibeamer@themePath`)

used by the package. If non-empty, the *path* gets normalized to *path*/. The normalized *path* is stored within the \fibeamer@basePath macro, whose implicit value is fibeamer/.

```
\DeclareOptionBeamer{basePath}{%
  \ifx\fibeamer@empty#1\fibeamer@empty%
    \def\fibeamer@basePath{}%
  \else%
    \def\fibeamer@basePath{#1/}%
  \fi}
\ExecuteOptionsBeamer{basePath=fibeamer}
```

\fibeamer@subdir The \fibeamer@subdir macro returns / unchanged, coerces ., .., */path*, ./*path* and ../*path* to ./, ../, */path*/, ./*path*/ and ../*path*/, respectively, and prefixes any other *path* with \fibeamer@basePath. This macro is used within the definition of the themePath and logoPath options.

```
\def\fibeamer@subdir#1#2#3#4\empty{%
  \ifx#1\empty%           <empty> -> <basePath>
    \fibeamer@basePath
  \else
    \if#1/%
      \ifx#2\empty%             / -> /
        /%
      \else%              /<path> -> /<path>/
        #1#2#3#4/%
      \fi
    \else
      \if#1.%
        \ifx#2\empty%           . -> ./
          ./%
        \else
          \if#2.%
            \ifx#3\empty%      .. -> ../
              ../%
            \else
              \if#3/%   ../<path> -> ../<path>/
                ../#4/%
              \else
                \fibeamer@basePath#1#2#3#4/%
              \fi
            \fi
          \else
            \if#2/%      ./<path> -> ./<path>/
              ./#3#4/%
            \else
              \fibeamer@basePath#1#2#3#4/%
            \fi
          \fi
        \fi
      \else
```

```
        \fibeamer@basePath#1#2#3#4/%
      \fi
    \fi
  \fi}
```

\fibeamer@themePath

2.10 The themePath option

The {⟨themePath=*path*⟩} pair sets the *path* containing the theme files. The *path* is normalized using the \fibeamer@subdir macro and stored within the \fibeamer@stylePath macro, whose implicit value is \fibeamer@basePath theme/. By default, this expands to fibeamer/theme/.

```
\DeclareOptionBeamer{themePath}{%
  \def\fibeamer@themePath{\fibeamer@subdir#1%
    \empty\empty\empty\empty}}
\ExecuteOptionsBeamer{themePath=theme}
```

\fibeamer@logoPath

2.11 The logoPath option

The {⟨logoPath=*path*⟩} pair sets the *path* containing the logo files, which is used by the outer themes to load the main logo. The *path* is normalized using the \fibeamer@subdir macro and stored within the \fibeamer@logoPath macro, whose implicit value is \fibeamer@basePath followed by logo/\fibeamer@university. By default, this expands to fibeamer/logo/mu/.

```
\DeclareOptionBeamer{logoPath}{%
  \def\fibeamer@logoPath{\fibeamer@subdir#1%
    \empty\empty\empty\empty}}
\ExecuteOptionsBeamer{logoPath=logo/\fibeamer@university}
```

\fibeamer@logo

2.12 The logo option

The {⟨logo=*filename*⟩} pair sets the prefix of the filename of the main logo to *filename*. The *filename* is stored within the \fibeamer@logo macro, whose implicit value is \fibeamer@logoPath followed by fibeamer-\fibeamer@university--\fibeamer@faculty-\fibeamer@logoLocale. By default, this expands to fibeamer//logo/fibeamer-mu-fi-english.

```
\DeclareOptionBeamer{logo}{\def\fibeamer@logo{#1}}
\ExecuteOptionsBeamer{%
  logo=\fibeamer@logoPath fibeamer-\fibeamer@university-%
    \fibeamer@faculty-\fibeamer@logoLocale}
```

\fibeamer@fallbackLogo

2.13 The fallbackLogo option

The \fibeamer@fallbackLogo macro contains the filename of the logo file to be used, if \fibeamer@logo does not exist. The implicit value of the \fibeamer@fallbackLogo macro is \fibeamer@logoPath followed by fibeamer-\fibeamer@university\fibeamer@faculty-english. By default, this expands to fibeamer/logo//fibeamer-mu-fi-english.

```
\DeclareOptionBeamer{fallbackLogo}{\def\fibeamer@fallbackLogo{#1}}
\ExecuteOptionsBeamer{%
  fallbackLogo=\fibeamer@logoPath fibeamer-\fibeamer@university-%
    \fibeamer@faculty-english}
```

3 Logic

3.1 Macros

\fibeamer@require

The \fibeamer@require{⟨*package*⟩} macro is used to gracefully load a *package*. Packages that have already been loaded or do not exist are ignored by the macro.

```
\def\fibeamer@require#1{\IfFileExists{#1.sty}{%
  \@ifpackageloaded{#1}{}{\RequirePackage{#1}}}{}}
```

\fibeamer@requireTheme

The \fibeamer@requireTheme{⟨*class*⟩} macro is used to load a *class* of beamer themes. The following packages are loaded, provided they exist:

- beamer*class*themefibeamer from the \fibeamer@themePath directory – The base theme file. By default, this expands to fibeamer/theme/beamer*class*themefibeamer.
- beamer*class*themefibeamer-\fibeamer@university from the \fibeamer@themePath \fibeamer@university/ directory – The university theme file. By default, this expands to fibeamer/theme/mu/beamer*class*themefibeamer-mu.
- beamer*class*themefibeamer-\fibeamer@university-\fibeamer@faculty from the \fibeamer@themePath\fibeamer@university/ directory – The faculty theme file. By default, this expands to fibeamer/theme/mu/beamer*class*themefibeamer-mu-fi.

```
\def\fibeamer@requireTheme#1{%
  \fibeamer@require{\fibeamer@themePath beamer#1themefibeamer}
  \fibeamer@require{\fibeamer@themePath\fibeamer@university%
    /beamer#1themefibeamer-\fibeamer@university}
  \fibeamer@require{\fibeamer@themePath\fibeamer@university%
    /beamer#1themefibeamer-\fibeamer@university-\fibeamer@faculty}}
```

\fibeamer@includeLogo

The \fibeamer@includeLogo[⟨*options*⟩] macro includes the main logo into the document. If specified, the *options* are passed to the \includegraphics macro. The \fibeamer@includeLogo macro requires the etoolbox package to function.

```
\fibeamer@require{etoolbox}
\newcommand\fibeamer@includeLogo[1][]{{
  % See <http://tex.stackexchange.com/a/39987/70941>.
```

```
\patchcmd{\Gin@ii}% Make `\includegraphics` use `@fallbackLogo`.
  {\begingroup}% <search>
  {\begingroup\renewcommand{\@latex@error}[2]{%
     \includegraphics[#1]\fibeamer@fallbackLogo}}% <replace>
  {}% <success>
  {}% <failure>
\includegraphics[#1]\fibeamer@logo}}
```

`\fibeamer@patch` The `\fibeamer@patch[`⟨*versions*⟩`][`⟨*patch*⟩`]` macro expands *patch*, if `\fibeamer@@version@number` (defined at the top of the file `beamerthemefibeamer.sty`) matches any of the comma-delimited *versions*. This macro enables the simple deployment of version-targeted patches.

```
\def\fibeamer@patch#1#2{%
  \def\fibeamer@patch@versions{#1}%
  \def\fibeamer@patch@action{#2}%
  \def\fibeamer@patch@next##1,{%
    \def\fibeamer@patch@arg{##1}%
    \def\fibeamer@patch@relax{\relax}%
    \ifx\fibeamer@patch@arg\fibeamer@version@number
      \def\fibeamer@patch@next####1\relax,{}%
      \expandafter\fibeamer@patch@action
      \expandafter\fibeamer@patch@next
    \else\ifx\fibeamer@patch@arg\fibeamer@patch@relax\else
      \expandafter\expandafter\expandafter\fibeamer@patch@next
    \fi\fi}%
  \expandafter\expandafter\expandafter\fibeamer@patch@next
  \expandafter\fibeamer@patch@versions\expandafter,\relax,}
```

3.2 Main routine

First, the theme processes the options.

```
\ProcessOptionsBeamer
```

When the `microtype` option is specified, the microtype package gets loaded.

```
% Set up the microtypographic extensions
\iffibeamer@microtype
  \RequirePackage{microtype}
\fi
```

When the `fonts` option is specified, the following packages will be used by the package to configure the fonts in the presentation mode:

- ifthen – This package is used to construct compound conditionals.
- ifxetex, ifluatex – These packages are used to detect the used TEX engine.
- lmodern – The Latin Modern font family is used as a fallback for missing glyphs.
- carlito – The Carlito font family is used as the primary text and math font face.

- arevmath – The Arev Sans math font family is used for various symbols and greek alphabet.
- iwona – The Iwona font family is used for large math symbols.
- dejavu – The DejaVu Sans Mono font family is used for the typesetting of monospaced text.
- setspace – This package is used to adjust the leading to 115 %. Loading this package breaks any top-level footnotes without the `[frame]` optional parameter specified. This is a known bug.[1]
- fontenc – This package is used to set the font encoding to Cork. This package is only used outside the XeTeX and LuaTeX engines.
- fontspec – This package is used to load fonts. This package is only used with the XeTeX and LuaTeX engines.

```
\mode<presentation>
  % Set up the fonts
  \iffibeamer@fonts
    \RequirePackage{ifthen}
    \RequirePackage{ifxetex}
    \RequirePackage{ifluatex}
    \RequirePackage{lmodern}
    \RequirePackage[sfdefault,lf]{carlito}
    \renewcommand*\oldstylenums[1]{{\carlitoOsF #1}}

    %% Load arev with scaling factor of .85
    %% See <http://tex.stackexchange.com/a/181240/70941>
    \DeclareFontFamily{OML}{zavm}{\skewchar\font=127 }
    \DeclareFontShape{OML}{zavm}{m}{it}{<-> s*[.85] zavmri7m}{}
    \DeclareFontShape{OML}{zavm}{b}{it}{<-> s*[.85] zavmbi7m}{}
    \DeclareFontShape{OML}{zavm}{m}{sl}{<->ssub * zavm/m/it}{}
    \DeclareFontShape{OML}{zavm}{bx}{it}{<->ssub * zavm/b/it}{}
    \DeclareFontShape{OML}{zavm}{b}{sl}{<->ssub * zavm/b/it}{}
    \DeclareFontShape{OML}{zavm}{bx}{sl}{<->ssub * zavm/b/sl}{}

    \AtBeginDocument{
      \SetSymbolFont{operators}   {normal}{OT1}{zavm}{m}{n}
      \SetSymbolFont{letters}     {normal}{OML}{zavm}{m}{it}
      \SetSymbolFont{symbols}     {normal}{OMS}{zavm}{m}{n}
      \SetSymbolFont{largesymbols}{normal}{OMX}{iwona}{m}{n}}
    \RequirePackage[sans]{dsfont}

    \ifthenelse{\boolean{xetex}\OR\boolean{luatex}}{
      \RequirePackage{fontspec}

      \setmonofont[Scale=0.85]{DejaVu Sans Mono}
```

[1] See http://tex.stackexchange.com/a/118005/70941.

```
    }{
      \RequirePackage[scaled=0.85]{DejaVuSansMono}
      \RequirePackage[resetfonts]{cmap}
      \RequirePackage[T1]{fontenc}
    }
    \RequirePackage{setspace}
    \setstretch{1.15}
  \fi
\mode
  <all>
```

Finally, the color, font, inner and outer themes of the respective university and faculty will be loaded.

```
\fibeamer@requireTheme{color}
\fibeamer@requireTheme{font}
\fibeamer@requireTheme{inner}
\fibeamer@requireTheme{outer}
```

4 Themes

This section contains the combined documentation of all available themes. When creating a new theme file, it is advisable to create one self-contained `dtx` file, which is then partitioned into locale files via the `docstrip` tool based on the respective `ins` file. A macro `\file{`⟨*filename*⟩`}` is available for the sectioning of the documentation of various files within the `dtx` file. For more information about `dtx` files and the `docstrip` tool, consult the `dtxtut`, `docstrip`, `doc` and `ltxdoc` manuals.

`\file`

4.1 Base files

4.1.1 The `theme/mu/beamercolorthemefibeamer-mu.sty` file

This is the base color theme for presentations written at the Masaryk University in Brno.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu}[2016/05/06]
```

`\darkframes` The `darkframes` environment switches the color definitions to render the enclosed frames in dark colors. This is a dummy definition, which will be overridden by the subsequently loaded color theme in the presentation mode.

```
\newenvironment{darkframes}{}{}
```

The rest of the theme will be ignored outside the presentation mode.

```
\mode<presentation>
```

The theme loads the following packages, which will be used by the subsequently loaded color theme specific to a faculty:

- listings – This package is used for code listings. The subsequently loaded color theme will specify source code coloring for the package.
- ifthen – This package is used to construct compound conditionals.
- tikz – This package is used to create gradient background for dark slides.

```
\RequirePackage{listings}
\RequirePackage{ifthen}
\RequirePackage{tikz}
```

`\iffibeamer@dark` The `\iffibeamer@dark` conditional will be switched on and off by the subsequently loaded color theme based on whether or not the given frame is being typeset in light or dark colors. This information will be used by outer themes to insert the correct logo into each frame.

```
\newif\iffibeamer@dark\fibeamer@darkfalse
```

A frame that is either title or dark, as specified by the value of the `\iffibeamer@dark` conditional, will have a gradient background as specified by the `fibeamer@dark@backgroundInner` and `fibeamer@light@backgroundOuter` colors that shall be defined by the subsequently loaded color theme.

A frame that is neither title nor dark, as specified by the value of the `\iffibeamer@dark` conditional, will have a gradient background as specified by the `fibeamer@light@backgroundInner` and `fibeamer@light@backgroundOuter` colors that shall be defined by the subsequently loaded color theme.

```
\defbeamertemplate*{background canvas}{fibeamer}{%
  \ifthenelse{%
    \boolean{fibeamer@dark} \OR \c@framenumber=0
  }{%
    \begin{tikzpicture}
      \clip (0,\fibeamer@lengths@clipbottom) rectangle
        (\paperwidth,\fibeamer@lengths@cliptop);
      \path [inner color = fibeamer@dark@backgroundInner,
             outer color = fibeamer@dark@backgroundOuter]
        (0,0) rectangle (\paperwidth,\paperwidth);
    \end{tikzpicture}
  }{%
    \begin{tikzpicture}
      \clip (0,\fibeamer@lengths@clipbottom) rectangle
        (\paperwidth,\fibeamer@lengths@cliptop);
      \path [inner color = fibeamer@light@backgroundInner,
             outer color = fibeamer@light@backgroundOuter]
        (0,0) rectangle (\paperwidth,\paperwidth);
    \end{tikzpicture}
  }}
```

The `\qed` symbol inserted at the end of proofs will have the same color as the rest of the proof.

```
\setbeamercolor{qed symbol}{%
  use=block body,
```

```
    fg=block body.fg,
    bg=block body.bg}
```

The links can be colored by the subsequently loaded color themes.

```
  \hypersetup{colorlinks,linkcolor=}
\mode
<all>
```

4.1.2 The theme/mu/beamerfontthemefibeamer-mu.sty file

This is the base font theme for presentations written at the Masaryk University in Brno. The theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamerfontthemefibeamer-mu}[2016/01/12]
\mode<presentation>
  \setbeamerfont{normal text}{size=\normalsize}
  \setbeamerfont{title}{size=\LARGE, series=\bfseries}
  \setbeamerfont{subtitle}{parent=normal text, size=\Large}
  \setbeamerfont{frametitle}{size=\Large}
  \setbeamerfont{framesubtitle}{size=\large, shape=\itshape}
  \setbeamerfont{description item}{series=\bfseries}
  \setbeamerfont{author}{size=\large}
\mode
<all>
```

4.1.3 The theme/mu/beamerinnerthemefibeamer-mu.sty file

This is the base inner theme for presentations written at the Masaryk University in Brno. The theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamerinnerthemefibeamer-mu}[2016/01/14]
\mode<presentation>
```

This part of the inner theme defines the design of lists.

```
\defbeamertemplate*{itemize item}{fibeamer}{$\bullet$}
\defbeamertemplate*{itemize subitem}{fibeamer}{\---}
\defbeamertemplate*{itemize subsubitem}{fibeamer}{\guillemotright}
```

This part of the inner theme defines the design of bibliography items and citations.

```
\defbeamertemplate*{bibliography item}{fibeamer}{\insertbiblabel}
\AtBeginDocument{%
  \let\fibeamer@oldcite\cite
  \def\cite#1{{%
    \usebeamercolor[fg]{item}%
    \fibeamer@oldcite{#1}}}}
```

This part of the inner theme defines the design of the table of contents.

```
\defbeamertemplate*{section in toc}{fibeamer}{%
```

```
  \usebeamercolor[fg]{item}%
    \inserttocsectionnumber.%
  \usebeamercolor[fg]{structure}%
  \kern1.25ex\inserttocsection\par}
\defbeamertemplate*{subsection in toc}{fibeamer}{%
  \hspace\leftmargini
  \usebeamercolor[fg]{item}%
    \inserttocsectionnumber.\inserttocsubsectionnumber%
  \usebeamercolor[fg]{structure}%
  \kern1.25ex\inserttocsubsection\par}
\defbeamertemplate*{subsubsection in toc}{fibeamer}{%
  \hspace\leftmargini
  \hspace\leftmarginii
  \usebeamercolor[fg]{item}%
    \inserttocsectionnumber.\inserttocsubsectionnumber.%
    \inserttocsubsubsectionnumber%
  \usebeamercolor[fg]{structure}%
  \kern1.25ex\inserttocsubsubsection\par}
\mode
<all>
```

4.1.4 The `theme/mu/beamerouterthemefibeamer-mu.sty` file

This is the base outer theme for presentations written at the Masaryk University in Brno. The theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamerouterthemefibeamer-mu}[2016/01/12]
\mode<presentation>
```

The theme uses the following packages:

- ifthen – This package is used to construct compound conditionals.
- ifpdf – This package is used to check, whether the document is being typeset in DVI mode. If it is, then the `\pdfpagewidth` and `\pdfpageheight` dimensions are defined, so that positioning in TikZ works correctly.
- tikz – This package is used to position the logo and the frame number on a frame.
- pgfcore – This package is used to draw the dashed line at the title frame.

```
  \RequirePackage{ifthen}
  \RequirePackage{ifpdf}
  \ifpdf\else
    \@ifundefined{pdfpagewidth}{\newdimen\pdfpagewidth}{}
    \@ifundefined{pdfpageheight}{\newdimen\pdfpageheight}{}
    \pdfpagewidth=\paperwidth
    \pdfpageheight=\paperheight
  \fi
```

```
\RequirePackage{tikz}
\RequirePackage{pgfcore}
```

This part of the outer theme defines the geometry of the frames along with other dimensions.

```
\newlength\fibeamer@lengths@baseunit
\fibeamer@lengths@baseunit=3.75mm
% The footer padding
\newlength\fibeamer@lengths@footerpad
\setlength\fibeamer@lengths@footerpad{%
  \fibeamer@lengths@baseunit}
% The side margins
\newlength\fibeamer@lengths@margin
\setlength\fibeamer@lengths@margin{%
  3\fibeamer@lengths@baseunit}
\setbeamersize{
  text margin left=\fibeamer@lengths@margin,
  text margin right=\fibeamer@lengths@margin}
% The upper margin
\newlength\fibeamer@lengths@titleline
\setlength\fibeamer@lengths@titleline{%
  3\fibeamer@lengths@baseunit}
% The background clipping
\newlength\fibeamer@lengths@clipbottom
\setlength\fibeamer@lengths@clipbottom\paperwidth
\addtolength\fibeamer@lengths@clipbottom{-\paperheight}
\setlength\fibeamer@lengths@clipbottom{%
  0.5\fibeamer@lengths@clipbottom}
\newlength\fibeamer@lengths@cliptop
\setlength\fibeamer@lengths@cliptop\paperwidth
\addtolength\fibeamer@lengths@cliptop{%
  -\fibeamer@lengths@clipbottom}
% The logo size
\newlength\fibeamer@lengths@logowidth
\setlength\fibeamer@lengths@logowidth{%
  14\fibeamer@lengths@baseunit}
\newlength\fibeamer@lengths@logoheight
\setlength\fibeamer@lengths@logoheight{%
  0.4\fibeamer@lengths@logowidth}
```

The outer theme completely culls the bottom navigation.

```
\defbeamertemplate*{navigation symbols}{fibeamer}{}
```

The outer theme also culls the headline.

```
\defbeamertemplate*{headline}{fibeamer}{}
```

The frame title.

```
\defbeamertemplate*{frametitle}{fibeamer}{%
  \vskip-1em % Align the text with the top border
  \vskip\fibeamer@lengths@titleline
```

```
    \usebeamercolor[fg]{frametitle}%
    \usebeamerfont{frametitle}%
      \insertframetitle\par%
    \usebeamercolor[fg]{framesubtitle}%
    \usebeamerfont{framesubtitle}%
      \insertframesubtitle}
```

The footline contains the frame number. It is flushed right.

```
  \defbeamertemplate*{footline}{fibeamer}{%
    \ifnum\c@framenumber=0\else%
      \begin{tikzpicture}[overlay]
        \node[anchor=south east,
          yshift=\fibeamer@lengths@footerpad,
          xshift=-\fibeamer@lengths@footerpad] at
          (current page.south east) {
            \usebeamercolor[fg]{framenumber}%
            \usebeamerfont{framenumber}%
            \insertframenumber/\inserttotalframenumber};
      \end{tikzpicture}
    \fi}
```

The title frame contains the main logo, the `\title`, the `\subtitle`, and the `\author`.

```
  \defbeamertemplate*{title page}{fibeamer}{%

    \begin{darkframes}

    % This is slide 0
    \setcounter{framenumber}{0}

    % Input the university logo
    \begin{tikzpicture}[
      remember picture,
      overlay,
      xshift=0.5\fibeamer@lengths@logowidth,
      yshift=0.5\fibeamer@lengths@logoheight
    ]
      \node at (0,0) {
        \fibeamer@includeLogo[
          width=\fibeamer@lengths@logowidth,
          height=\fibeamer@lengths@logoheight
        ]};
    \end{tikzpicture}

    % Input the title
    \usebeamerfont{title}%
    \usebeamercolor[fg]{title}%
    \begin{minipage}[b][2\baselineskip][b]{\textwidth}%
      \raggedright\inserttitle
    \end{minipage}
    \vskip-.5\baselineskip

```

```
    % Input the dashed line
    \begin{pgfpicture}
      \pgfsetlinewidth{2pt}
      \pgfsetroundcap
      \pgfsetdash{{0pt}{4pt}}{0cm}

      \pgfpathmoveto{\pgfpoint{0mm}{0mm}}
      \pgfpathlineto{\pgfpoint{\textwidth}{0mm}}

      \pgfusepath{stroke}
    \end{pgfpicture}
    \vfill

    % Input the subtitle
    \usebeamerfont{subtitle}%
    \usebeamercolor[fg]{subtitle}%
    \begin{minipage}{\textwidth}
      \raggedright%
      \insertsubtitle%
    \end{minipage}\vskip.25\baselineskip

    % Input the author's name
    \usebeamerfont{author}%
    \usebeamercolor[fg]{author}%
    \begin{minipage}{\textwidth}
      \raggedright%
      \insertauthor%
    \end{minipage}
    \end{darkframes}}

\mode
<all>
```

4.2 The Faculty of Informatics

4.2.1 The `theme/mu/beamercolorthemefibeamer-fi.sty` file

This is the color theme for presentations written at the Faculty of Informatics at the Masaryk University in Brno. This theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu-fi}[2016/06/16]
\mode<presentation>
```

This color theme uses the combination of yellow and shades of gray. The `fibeamer@{dark,light}@background{Inner,Outer}` colors are used within the background canvas template, which is defined within the base color theme of the Masaryk University and which draws the gradient background of the frames.

```
  \definecolor{fibeamer@black}{HTML}{2B2E34}
```

```
\definecolor{fibeamer@white}{HTML}{F3EEE1}
\definecolor{fibeamer@yellow}{HTML}{FFD564}
\definecolor{fibeamer@orange}{HTML}{FF5500}
\colorlet{fibeamer@lightGray}{white!80!fibeamer@black}
\colorlet{fibeamer@gray}{white!35!fibeamer@black}
\colorlet{fibeamer@darkGray}{white!20!fibeamer@black}
\definecolor{fibeamer@blue}{HTML}{3333B3}
\definecolor{fibeamer@lightRed}{HTML}{FF8E6B}
\colorlet{fibeamer@darkRed}{red!80!fibeamer@white}

%% Background gradients
\colorlet{fibeamer@dark@backgroundInner}{fibeamer@black}
\colorlet{fibeamer@dark@backgroundOuter}{fibeamer@black}
\colorlet{fibeamer@light@backgroundInner}{fibeamer@white}
\colorlet{fibeamer@light@backgroundOuter}{fibeamer@white}
```

The darkframes environment switches the \iffibeamer@darktrue conditional on and sets a dark color theme.

```
\renewenvironment{darkframes}{%
  \begingroup
    \fibeamer@darktrue
    %% Structures
    \setbeamercolor*{frametitle}{fg=fibeamer@yellow}
    \setbeamercolor*{framesubtitle}{fg=fibeamer@lightGray}
    %% Text
    \setbeamercolor*{normal text}{fg=white, bg=fibeamer@black}
    \setbeamercolor*{structure}{fg=white, bg=fibeamer@black}

    \setbeamercolor*{alerted text}{fg=fibeamer@lightRed}

    %% Items, footnotes and links
    \setbeamercolor*{item}{fg=fibeamer@yellow}
    \setbeamercolor*{footnote mark}{fg=fibeamer@yellow}
    \hypersetup{urlcolor=fibeamer@yellow, citecolor=fibeamer@yellow}
    %% Blocks
    \setbeamercolor*{block title}{%
      fg=fibeamer@black, bg=fibeamer@yellow}
    \setbeamercolor*{block title example}{%
      fg=fibeamer@yellow, bg=fibeamer@darkGray}
    \setbeamercolor*{block title alerted}{%
      fg=fibeamer@black, bg=fibeamer@lightRed}
    \setbeamercolor*{block body}{%
      fg=fibeamer@white,
      bg=fibeamer@darkGray}
    \usebeamercolor*{normal text}
    % Code listings
    \lstset{%
      commentstyle=\color{green!30!white},
      keywordstyle=\color{blue!30!white},
      stringstyle=\color{fibeamer@orange!30!white}}
    }{%
```

```
  \endgroup}
```

Outside the darkframes environment, the light theme is used.

```
%% Structures
\setbeamercolor{frametitle}{fg=fibeamer@blue}
\setbeamercolor{framesubtitle}{fg=fibeamer@gray}
%% Text
\setbeamercolor{normal text}{fg=fibeamer@black, bg=fibeamer@white}
\setbeamercolor{structure}{fg=fibeamer@black, bg=fibeamer@white}

\setbeamercolor{alerted text}{fg=red}
\addtobeamertemplate{block begin}{%
  \iffibeamer@dark\else % alerted text in plain blocks at light slides
    \setbeamercolor{alerted text}{fg=fibeamer@darkRed}
  \fi}{}

%% Items and links
\setbeamercolor{item}{fg=fibeamer@blue}
\setbeamercolor{footnote mark}{fg=fibeamer@blue}
\hypersetup{urlcolor=fibeamer@blue, citecolor=fibeamer@blue}
%% Blocks
\setbeamercolor{block title}{%
  fg=fibeamer@black, bg=fibeamer@yellow}
\setbeamercolor{block title example}{%
  fg=fibeamer@yellow, bg=fibeamer@black}
\setbeamercolor{block title alerted}{%
  fg=fibeamer@white, bg=red}
\setbeamercolor{block body}{%
  fg=fibeamer@white, bg=fibeamer@black}
%% Title
\setbeamercolor{title}{fg=fibeamer@yellow, bg=fibeamer@black}

\setbeamercolor{subtitle}{fg=fibeamer@white, bg=fibeamer@black}
\setbeamercolor{author}{fg=fibeamer@lightGray, bg=fibeamer@black}
% Code listings
\lstset{%
  basicstyle=\footnotesize\ttfamily,
  breakatwhitespace=false,
  breaklines=true,
  commentstyle=\color{green!60!black},
  extendedchars=true,
  keywordstyle=\color{fibeamer@blue},
  showspaces=false,
  showstringspaces=false,
  showtabs=false,
  stringstyle=\color{violet}}
\mode
<all>
```

4.3 The Faculty of Science

4.3.1 The theme/mu/beamercolorthemefibeamer-sci.sty file

This is the color theme for presentations written at the Faculty of Science at the Masaryk University in Brno. This theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu-sci}[2016/05/06]
\mode<presentation>
```

This color theme uses the combination of yellow and shades of gray. The `fibeamer@{dark,light}@background{Inner,Outer}` colors are used within the background canvas template, which is defined within the base color theme of the Masaryk University and which draws the gradient background of the frames.

```
  \definecolor{fibeamer@black}{HTML}{000000}
  \definecolor{fibeamer@white}{HTML}{FFFFFF}
  \definecolor{fibeamer@green}{HTML}{139632}
  \definecolor{fibeamer@gray}{HTML}{999999}
  \colorlet{fibeamer@lightGreen}{fibeamer@green!30!fibeamer@white}
  \colorlet{fibeamer@darkGreen}{fibeamer@green!60!fibeamer@black}
  \definecolor{fibeamer@lightOrange}{HTML}{FFA25E}
  \colorlet{fibeamer@orange}{fibeamer@lightOrange!80!fibeamer@darkGreen}

  %% Background gradients
  \colorlet{fibeamer@dark@backgroundInner}{fibeamer@darkGreen}
  \colorlet{fibeamer@dark@backgroundOuter}{fibeamer@darkGreen}
  \colorlet{fibeamer@light@backgroundInner}{fibeamer@white}
  \colorlet{fibeamer@light@backgroundOuter}{fibeamer@white}
```

The `darkframes` environment switches the `\iffibeamer@darktrue` conditional on and sets a dark color theme.

```
  \renewenvironment{darkframes}{%
    \begingroup
      \fibeamer@darktrue
      %% Structures
      \setbeamercolor*{frametitle}{fg=fibeamer@lightGreen}
      \setbeamercolor*{framesubtitle}{fg=fibeamer@white}
      %% Text
      \setbeamercolor*{normal text}{fg=fibeamer@white, bg=fibeamer@green}
      \setbeamercolor*{structure}{fg=fibeamer@white, bg=fibeamer@green}

      \setbeamercolor*{alerted text}{%
        fg=fibeamer@lightOrange}

      %% Items, footnotes and links
      \setbeamercolor*{item}{fg=fibeamer@lightGreen}
      \setbeamercolor*{footnote mark}{fg=fibeamer@lightGreen}
    \hypersetup{urlcolor=fibeamer@lightGreen, citecolor=fibeamer@lightGreen}
      %% Blocks
```

```
    \setbeamercolor*{block title}{%
      fg=fibeamer@white, bg=fibeamer@green!60!fibeamer@white}
    \setbeamercolor*{block title example}{%
      fg=fibeamer@white, bg=fibeamer@green!60!fibeamer@white}
    \setbeamercolor*{block title alerted}{%
      fg=fibeamer@darkGreen, bg=fibeamer@lightOrange}
    \setbeamercolor*{block body}{%
      fg=fibeamer@green,
      bg=fibeamer@gray!15!fibeamer@white}
    \usebeamercolor*{normal text}
    % Code listings
    \lstset{%
      commentstyle=\color{green!30!fibeamer@white},
      keywordstyle=\color{blue!30!fibeamer@white},
      stringstyle=\color{red!30!fibeamer@white}}
    }{%
  \endgroup}
```

Outside the darkframes environment, the light theme is used.

```
%% Structures
\setbeamercolor{frametitle}{fg=fibeamer@green}
\setbeamercolor{framesubtitle}{fg=fibeamer@black!75!fibeamer@white}
%% Text
\setbeamercolor{normal text}{fg=fibeamer@black, bg=fibeamer@white}
\setbeamercolor{structure}{fg=fibeamer@black, bg=fibeamer@white}

\setbeamercolor{alerted text}{fg=red}
\addtobeamertemplate{block begin}{%
  \iffibeamer@dark % alerted text in plain block at dark slides
    \setbeamercolor{alerted text}{fg=fibeamer@orange}%
  \fi}{}

%% Items, footnotes and links
\setbeamercolor*{item}{fg=fibeamer@green}
\setbeamercolor*{footnote mark}{fg=fibeamer@green}
\hypersetup{urlcolor=fibeamer@green, citecolor=fibeamer@green}
%% Blocks
\setbeamercolor{block title}{%
  fg=fibeamer@white, bg=fibeamer@green}
\setbeamercolor{block title example}{%
  fg=fibeamer@white, bg=fibeamer@green}
\setbeamercolor{block title alerted}{%
  fg=fibeamer@white, bg=red}
\setbeamercolor{block body}{%
  fg=fibeamer@green, bg=fibeamer@gray!20!fibeamer@white}
%% Title
\setbeamercolor{title}{fg=fibeamer@white, bg=fibeamer@green}
% Code listings
\lstset{%
  basicstyle=\footnotesize\ttfamily,
  breakatwhitespace=false,
```

```
    breaklines=true,
    commentstyle=\color{green!60!fibeamer@black},
    extendedchars=true,
    keywordstyle=\color{blue},
    showspaces=false,
    showstringspaces=false,
    showtabs=false,
    stringstyle=\color{violet}}
\mode
<all>
```

4.4 The Faculty of Arts

4.4.1 The `theme/mu/beamercolorthemefibeamer-phil.sty` file

This is the color theme for presentations written at the Faculty of Arts at the Masaryk University in Brno. This theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu-phil}[2016/05/06]
\mode<presentation>
```

This color theme uses the combination of yellow and shades of gray. The `fibeamer@{dark,light}@background{Inner,Outer}` colors are used within the background canvas template, which is defined within the base color theme of the Masaryk University and which draws the gradient background of the frames.

```
  \definecolor{fibeamer@black}{HTML}{000000}
  \definecolor{fibeamer@white}{HTML}{FFFFFF}
  \definecolor{fibeamer@blue}{HTML}{0071B2}
  \colorlet{fibeamer@lightBlue}{fibeamer@blue!30!fibeamer@white}
  \colorlet{fibeamer@darkBlue}{fibeamer@blue!60!fibeamer@black}
  \definecolor{fibeamer@gray}{HTML}{999999}
  \definecolor{fibeamer@lightOrange}{HTML}{FFA25E}
  \colorlet{fibeamer@orange}{fibeamer@lightOrange!80!fibeamer@darkBlue}

  %% Background gradients
  \colorlet{fibeamer@dark@backgroundInner}{fibeamer@darkBlue}
  \colorlet{fibeamer@dark@backgroundOuter}{fibeamer@darkBlue}
  \colorlet{fibeamer@light@backgroundInner}{fibeamer@white}
  \colorlet{fibeamer@light@backgroundOuter}{fibeamer@white}
```

The `darkframes` environment switches the `\iffibeamer@darktrue` conditional on and sets a dark color theme.

```
  \renewenvironment{darkframes}{%
    \begingroup
      \fibeamer@darktrue
      %% Structures
      \setbeamercolor*{frametitle}{fg=fibeamer@lightBlue}
      \setbeamercolor*{framesubtitle}{fg=fibeamer@white}
```

```
    %% Text
    \setbeamercolor*{normal text}{fg=fibeamer@white, bg=fibeamer@blue}
    \setbeamercolor*{structure}{fg=fibeamer@white, bg=fibeamer@blue}

    \setbeamercolor*{alerted text}{fg=fibeamer@lightOrange}

    %% Items, footnotes and links
    \setbeamercolor*{item}{fg=fibeamer@lightBlue}
    \setbeamercolor*{footnote mark}{fg=fibeamer@lightBlue}
  \hypersetup{urlcolor=fibeamer@lightBlue, citecolor=fibeamer@lightBlue}
    %% Blocks
    \setbeamercolor*{block title}{%
      fg=fibeamer@white, bg=fibeamer@blue!60!fibeamer@white}
    \setbeamercolor*{block title example}{%
      fg=fibeamer@white, bg=fibeamer@blue!60!fibeamer@white}
    \setbeamercolor*{block title alerted}{%
      fg=fibeamer@darkBlue, bg=fibeamer@lightOrange}
    \setbeamercolor*{block body}{%
      fg=fibeamer@blue,
      bg=fibeamer@gray!15!fibeamer@white}
    \usebeamercolor*{normal text}
    % Code listings
    \lstset{%
      commentstyle=\color{green!30!fibeamer@white},
      keywordstyle=\color{fibeamer@lightBlue},
      stringstyle=\color{red!30!fibeamer@white}}
    }{%
  \endgroup}
```

Outside the darkframes environment, the light theme is used.

```
%% Structures
\setbeamercolor{frametitle}{fg=fibeamer@blue}
\setbeamercolor{framesubtitle}{fg=fibeamer@black!75!fibeamer@white}
%% Text
\setbeamercolor{normal text}{fg=fibeamer@black, bg=fibeamer@white}
\setbeamercolor{structure}{fg=fibeamer@black, bg=fibeamer@white}

\setbeamercolor{alerted text}{fg=red}
\addtobeamertemplate{block begin}{%
  \iffibeamer@dark % alerted text in plain block at dark slides
    \setbeamercolor{alerted text}{fg=fibeamer@orange}%
  \fi}{}

%% Items, footnotes and links
\setbeamercolor*{item}{fg=fibeamer@blue}
\setbeamercolor*{footnote mark}{fg=fibeamer@blue}
\hypersetup{urlcolor=fibeamer@blue, citecolor=fibeamer@blue}
%% Blocks
\setbeamercolor{block title}{%
  fg=fibeamer@white, bg=fibeamer@blue}
\setbeamercolor{block title example}{%
```

```
    fg=fibeamer@white, bg=fibeamer@blue}
  \setbeamercolor{block title alerted}{%
    fg=fibeamer@white, bg=red}
  \setbeamercolor{block body}{%
    fg=fibeamer@blue, bg=fibeamer@gray!20!fibeamer@white}
  %% Title
  \setbeamercolor{title}{fg=fibeamer@white, bg=fibeamer@blue}
  % Code listings
  \lstset{%
    basicstyle=\footnotesize\ttfamily,
    breakatwhitespace=false,
    breaklines=true,
    commentstyle=\color{green!60!fibeamer@black},
    extendedchars=true,
    keywordstyle=\color{fibeamer@blue},
    showspaces=false,
    showstringspaces=false,
    showtabs=false,
    stringstyle=\color{violet}}
\mode
<all>
```

4.5 The Faculty of Education

4.5.1 The `theme/mu/beamercolorthemefibeamer-ped.sty` file

This is the color theme for presentations written at the Faculty of Education at the Masaryk University in Brno. This theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu-ped}[2016/05/06]
\mode<presentation>
```

This color theme uses the combination of yellow and shades of gray. The `fibeamer@{dark,light}@background{Inner,Outer}` colors are used within the background canvas template, which is defined within the base color theme of the Masaryk University and which draws the gradient background of the frames.

```
  \definecolor{fibeamer@black}{HTML}{2B2E34}
  \definecolor{fibeamer@white}{HTML}{FFFFFF}
  \definecolor{fibeamer@lightOrange}{HTML}{FFA25E}
  \definecolor{fibeamer@orange}{HTML}{FF5500}
  \colorlet{fibeamer@lightGray}{white!80!fibeamer@black}
  \colorlet{fibeamer@gray}{white!35!fibeamer@black}
  \colorlet{fibeamer@darkGray}{white!20!fibeamer@black}
  \colorlet{fibeamer@blue}{blue!60!fibeamer@lightGray}
  \colorlet{fibeamer@darkRed}{red!80!fibeamer@white}
  \definecolor{fibeamer@lightRed}{HTML}{FF8B8B}

  %% Background gradients
```

```
\colorlet{fibeamer@dark@backgroundInner}{fibeamer@black}
\colorlet{fibeamer@dark@backgroundOuter}{fibeamer@black}
\colorlet{fibeamer@light@backgroundInner}{fibeamer@white}
\colorlet{fibeamer@light@backgroundOuter}{fibeamer@white}
```

The darkframes environment switches the \iffibeamer@darktrue conditional on and sets a dark color theme.

```
\renewenvironment{darkframes}{%
  \begingroup
    \fibeamer@darktrue
    %% Structures
    \setbeamercolor*{frametitle}{fg=fibeamer@lightOrange}
    \setbeamercolor*{framesubtitle}{fg=fibeamer@lightGray}
    %% Text
    \setbeamercolor*{normal text}{fg=white, bg=fibeamer@black}
    \setbeamercolor*{structure}{fg=white, bg=fibeamer@black}

    \setbeamercolor*{alerted text}{fg=fibeamer@lightRed}

    %% Items, footnotes and links
    \setbeamercolor*{item}{fg=fibeamer@lightOrange}
    \setbeamercolor*{footnote mark}{fg=fibeamer@lightOrange}
  \hypersetup{urlcolor=fibeamer@lightOrange, citecolor=fibeamer@lightOrange}
    %% Blocks
    \setbeamercolor*{block title}{%
      fg=fibeamer@black, bg=fibeamer@lightOrange}
    \setbeamercolor*{block title example}{%
      fg=fibeamer@lightOrange, bg=fibeamer@darkGray}
    \setbeamercolor*{block title alerted}{%
      fg=fibeamer@black, bg=fibeamer@lightRed}
    \setbeamercolor*{block body}{%
      fg=fibeamer@white,
      bg=fibeamer@darkGray}
    \usebeamercolor*{normal text}
    % Code listings
    \lstset{%
      commentstyle=\color{green!30!white},
      keywordstyle=\color{blue!30!white},
      stringstyle=\color{fibeamer@orange!30!white}}
    }{%
  \endgroup}
```

Outside the darkframes environment, the light theme is used.

```
%% Structures
\setbeamercolor{frametitle}{fg=fibeamer@black}
\setbeamercolor{framesubtitle}{fg=fibeamer@gray}
%% Text
\setbeamercolor{normal text}{fg=fibeamer@black, bg=fibeamer@white}
\setbeamercolor{structure}{fg=fibeamer@black, bg=fibeamer@white}

\setbeamercolor{alerted text}{fg=red}
```

```
  \addtobeamertemplate{block begin}{%
    \iffibeamer@dark\else % alerted text in plain blocks at light slides
      \setbeamercolor{alerted text}{fg=fibeamer@darkRed}
    \fi}{}

  %% Items, footnotes and links
  \setbeamercolor*{item}{fg=fibeamer@orange}
  \setbeamercolor*{footnote mark}{fg=fibeamer@orange}
  \hypersetup{urlcolor=fibeamer@blue, citecolor=fibeamer@blue}
  %% Blocks
  \setbeamercolor{block title}{%
    fg=fibeamer@black, bg=fibeamer@lightOrange}
  \setbeamercolor{block title example}{%
    fg=fibeamer@lightOrange, bg=fibeamer@black}
  \setbeamercolor{block title alerted}{%
    fg=fibeamer@white, bg=red}
  \setbeamercolor{block body}{%
    fg=white, bg=fibeamer@black}
  %% Title
  \setbeamercolor{title}{fg=fibeamer@lightOrange, bg=fibeamer@black}

  \setbeamercolor{subtitle}{fg=fibeamer@white, bg=fibeamer@black}
  \setbeamercolor{author}{fg=fibeamer@lightGray, bg=fibeamer@black}
  % Code listings
  \lstset{%
    basicstyle=\footnotesize\ttfamily,
    breakatwhitespace=false,
    breaklines=true,
    commentstyle=\color{green!60!black},
    extendedchars=true,
    keywordstyle=\color{fibeamer@blue},
    showspaces=false,
    showstringspaces=false,
    showtabs=false,
    stringstyle=\color{violet}}
\mode
<all>
```

4.6 The Faculty of Social Studies

4.6.1 The `theme/mu/beamercolorthemefibeamer-fss.sty` file

This is the color theme for presentations written at the Faculty of Social Studies at the Masaryk University in Brno. This theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu-fss}[2016/05/06]
\mode<presentation>
```

This color theme uses the combination of yellow and shades of gray. The `fibeamer@{dark,light}@background{Inner,Outer}` colors are used within the background canvas template, which is defined within the base color theme of the Masaryk University and which draws the gradient background of the frames.

```
\definecolor{fibeamer@black}{HTML}{000000}
\definecolor{fibeamer@white}{HTML}{FFFFFF}
\definecolor{fibeamer@cyan}{HTML}{00796E}
\colorlet{fibeamer@darkCyan}{fibeamer@cyan!70!fibeamer@black}
\colorlet{fibeamer@lightCyan}{fibeamer@cyan!30!fibeamer@white}
\definecolor{fibeamer@gray}{HTML}{999999}
\definecolor{fibeamer@lightOrange}{HTML}{FFA25E}
\colorlet{fibeamer@orange}{fibeamer@lightOrange!80!fibeamer@darkCyan}

%% Background gradients
\colorlet{fibeamer@dark@backgroundInner}{fibeamer@darkCyan}
\colorlet{fibeamer@dark@backgroundOuter}{fibeamer@darkCyan}
\colorlet{fibeamer@light@backgroundInner}{fibeamer@white}
\colorlet{fibeamer@light@backgroundOuter}{fibeamer@white}
```

The `darkframes` environment switches the `\iffibeamer@darktrue` conditional on and sets a dark color theme.

```
\renewenvironment{darkframes}{%
  \begingroup
    \fibeamer@darktrue
    %% Structures
    \setbeamercolor*{frametitle}{fg=fibeamer@lightCyan}
    \setbeamercolor*{framesubtitle}{fg=fibeamer@white}
    %% Text
    \setbeamercolor*{normal text}{fg=fibeamer@white, bg=fibeamer@cyan}
    \setbeamercolor*{structure}{fg=fibeamer@white, bg=fibeamer@cyan}

    \setbeamercolor*{alerted text}{fg=fibeamer@lightOrange}

    %% Items, footnotes and links
    \setbeamercolor{item}{fg=fibeamer@lightCyan}
    \setbeamercolor{footnote mark}{fg=fibeamer@lightCyan}
  \hypersetup{urlcolor=fibeamer@lightCyan, citecolor=fibeamer@lightCyan}
    %% Blocks
    \setbeamercolor*{block title}{%
      fg=fibeamer@white, bg=fibeamer@cyan!60!fibeamer@white}
    \setbeamercolor*{block title example}{%
      fg=fibeamer@white, bg=fibeamer@cyan!60!fibeamer@white}
    \setbeamercolor*{block title alerted}{%
      fg=fibeamer@darkCyan, bg=fibeamer@lightOrange}
    \setbeamercolor*{block body}{%
      fg=fibeamer@cyan,
      bg=fibeamer@gray!15!fibeamer@white}
    \usebeamercolor*{normal text}
    % Code listings
    \lstset{%
```

```
      commentstyle=\color{green!30!fibeamer@white},
      keywordstyle=\color{blue!30!fibeamer@white},
      stringstyle=\color{red!30!fibeamer@white}}
    }{%
  \endgroup}
```

Outside the darkframes environment, the light theme is used.

```
%% Structures
\setbeamercolor{frametitle}{fg=fibeamer@cyan}
\setbeamercolor{framesubtitle}{fg=fibeamer@black!75!fibeamer@white}
%% Text
\setbeamercolor{normal text}{fg=fibeamer@black, bg=fibeamer@white}
\setbeamercolor{structure}{fg=fibeamer@black, bg=fibeamer@white}

\setbeamercolor{alerted text}{fg=red}
\addtobeamertemplate{block begin}{%
  \iffibeamer@dark % alerted text in plain block at dark slides
    \setbeamercolor{alerted text}{fg=fibeamer@orange}%
  \fi}{}

%% Items, footnotes and links
\setbeamercolor{item}{fg=fibeamer@cyan}
\setbeamercolor{footnote mark}{fg=fibeamer@cyan}
\hypersetup{urlcolor=fibeamer@cyan, citecolor=fibeamer@cyan}
%% Blocks
\setbeamercolor{block title}{%
  fg=fibeamer@white, bg=fibeamer@cyan}
\setbeamercolor{block title example}{%
  fg=fibeamer@white, bg=fibeamer@cyan}
\setbeamercolor{block title alerted}{%
  fg=fibeamer@white, bg=red}
\setbeamercolor{block body}{%
  fg=fibeamer@cyan, bg=fibeamer@gray!20!fibeamer@white}
%% Title
\setbeamercolor{title}{fg=fibeamer@white, bg=fibeamer@cyan}
% Code listings
\lstset{%
  basicstyle=\footnotesize\ttfamily,
  breakatwhitespace=false,
  breaklines=true,
  commentstyle=\color{green!60!fibeamer@black},
  extendedchars=true,
  keywordstyle=\color{blue},
  showspaces=false,
  showstringspaces=false,
  showtabs=false,
  stringstyle=\color{violet}}
\mode
<all>
```

4.7 The Faculty of Law

4.7.1 The theme/mu/beamercolorthemefibeamer-law.sty file

This is the color theme for presentations written at the Faculty of Law at the Masaryk University in Brno. This theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu-law}[2016/05/06]
\mode<presentation>
```

This color theme uses the combination of yellow and shades of gray. The `fibeamer@{dark,light}@background{Inner,Outer}` colors are used within the background canvas template, which is defined within the base color theme of the Masaryk University and which draws the gradient background of the frames.

```
  \definecolor{fibeamer@black}{HTML}{000000}
  \definecolor{fibeamer@white}{HTML}{FFFFFF}
  \definecolor{fibeamer@violet}{HTML}{732889}
  \colorlet{fibeamer@darkViolet}{fibeamer@violet!70!fibeamer@black}
  \colorlet{fibeamer@lightViolet}{fibeamer@violet!30!fibeamer@white}
  \definecolor{fibeamer@gray}{HTML}{999999}
  \definecolor{fibeamer@lightOrange}{HTML}{FFA25E}
  \colorlet{fibeamer@orange}{fibeamer@lightOrange!80!fibeamer@darkViolet}

  %% Background gradients
  \colorlet{fibeamer@dark@backgroundInner}{fibeamer@darkViolet}
  \colorlet{fibeamer@dark@backgroundOuter}{fibeamer@darkViolet}
  \colorlet{fibeamer@light@backgroundInner}{fibeamer@white}
  \colorlet{fibeamer@light@backgroundOuter}{fibeamer@white}
```

The `darkframes` environment switches the `\iffibeamer@darktrue` conditional on and sets a dark color theme.

```
  \renewenvironment{darkframes}{%
    \begingroup
      \fibeamer@darktrue
      %% Structures
      \setbeamercolor*{frametitle}{fg=fibeamer@lightViolet}
      \setbeamercolor*{framesubtitle}{fg=fibeamer@white}
      %% Text
      \setbeamercolor*{normal text}{fg=fibeamer@white, bg=fibeamer@violet}
      \setbeamercolor*{structure}{fg=fibeamer@white, bg=fibeamer@violet}

      \setbeamercolor*{alerted text}{fg=fibeamer@lightOrange}

      %% Items, footnotes and links
      \setbeamercolor*{item}{fg=fibeamer@lightViolet}
      \setbeamercolor*{footnote mark}{fg=fibeamer@lightViolet}
    \hypersetup{urlcolor=fibeamer@lightViolet, citecolor=fibeamer@lightViolet}
      %% Blocks
      \setbeamercolor*{block title}{%
```

```
      fg=fibeamer@white, bg=fibeamer@violet!60!fibeamer@white}
    \setbeamercolor*{block title example}{%
      fg=fibeamer@white, bg=fibeamer@violet!60!fibeamer@white}
    \setbeamercolor*{block title alerted}{%
      fg=fibeamer@darkViolet, bg=fibeamer@lightOrange}
    \setbeamercolor*{block body}{%
      fg=fibeamer@violet,
      bg=fibeamer@gray!15!fibeamer@white}
    \usebeamercolor*{normal text}
    % Code listings
    \lstset{%
      commentstyle=\color{green!30!fibeamer@white},
      keywordstyle=\color{blue!30!fibeamer@white},
      stringstyle=\color{fibeamer@lightViolet}}
    }{%
  \endgroup}
```

Outside the darkframes environment, the light theme is used.

```
%% Structures
\setbeamercolor{frametitle}{fg=fibeamer@violet}
\setbeamercolor{framesubtitle}{fg=fibeamer@black!75!fibeamer@white}
%% Text
\setbeamercolor{normal text}{fg=fibeamer@black, bg=fibeamer@white}
\setbeamercolor{structure}{fg=fibeamer@black, bg=fibeamer@white}

\setbeamercolor{alerted text}{fg=red}
\addtobeamertemplate{block begin}{%
  \iffibeamer@dark % alerted text in plain block at dark slides
    \setbeamercolor{alerted text}{fg=fibeamer@orange}%
  \fi}{}

%% Items, footnotes and links
\setbeamercolor{item}{fg=fibeamer@violet}
\setbeamercolor{footnote mark}{fg=fibeamer@violet}
\hypersetup{urlcolor=fibeamer@violet, citecolor=fibeamer@violet}
%% Blocks
\setbeamercolor{block title}{%
  fg=fibeamer@white, bg=fibeamer@violet}
\setbeamercolor{block title example}{%
  fg=fibeamer@white, bg=fibeamer@violet}
\setbeamercolor{block title alerted}{%
  fg=fibeamer@white, bg=red}
\setbeamercolor{block body}{%
  fg=fibeamer@violet, bg=fibeamer@gray!20!fibeamer@white}
%% Title
\setbeamercolor{title}{fg=fibeamer@white, bg=fibeamer@violet}
% Code listings
\lstset{%
  basicstyle=\footnotesize\ttfamily,
  breakatwhitespace=false,
  breaklines=true,
```

```
    commentstyle=\color{green!60!fibeamer@black},
    extendedchars=true,
    keywordstyle=\color{blue},
    showspaces=false,
    showstringspaces=false,
    showtabs=false,
    stringstyle=\color{violet}}
\mode
<all>
```

4.8 The Faculty of Economics and Administration

4.8.1 The `theme/mu/beamercolorthemefibeamer-econ.sty` file

This is the color theme for presentations written at the Faculty of Economics and Administration at the Masaryk University in Brno. This theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu-econ}[2016/05/06]
\mode<presentation>
```

This color theme uses the combination of yellow and shades of gray. The `fibeamer@{dark,light}@background{Inner,Outer}` colors are used within the background canvas template, which is defined within the base color theme of the Masaryk University and which draws the gradient background of the frames.

```
  \definecolor{fibeamer@black}{HTML}{2B2E34}
  \definecolor{fibeamer@white}{HTML}{FFFFFF}
  \definecolor{fibeamer@brown}{HTML}{892840}
  \colorlet{fibeamer@lightBrown}{fibeamer@brown!30!fibeamer@white}
  \colorlet{fibeamer@darkBrown}{fibeamer@brown!60!fibeamer@black}
  \definecolor{fibeamer@gray}{HTML}{999999}
  \definecolor{fibeamer@lightOrange}{HTML}{FFA25E}
  \colorlet{fibeamer@orange}{fibeamer@lightOrange!80!fibeamer@darkBrown}

  %% Background gradients
  \colorlet{fibeamer@dark@backgroundInner}{fibeamer@darkBrown}
  \colorlet{fibeamer@dark@backgroundOuter}{fibeamer@darkBrown}
  \colorlet{fibeamer@light@backgroundInner}{fibeamer@white}
  \colorlet{fibeamer@light@backgroundOuter}{fibeamer@white}
```

The `darkframes` environment switches the `\iffibeamer@darktrue` conditional on and sets a dark color theme.

```
  \renewenvironment{darkframes}{%
    \begingroup
      \fibeamer@darktrue
      %% Structures
      \setbeamercolor*{frametitle}{fg=fibeamer@brown!30!fibeamer@white}
      \setbeamercolor*{framesubtitle}{fg=fibeamer@white}
      %% Text
```

```
    \setbeamercolor*{normal text}{fg=fibeamer@white, bg=fibeamer@brown}
    \setbeamercolor*{structure}{fg=fibeamer@white, bg=fibeamer@brown}

    \setbeamercolor*{alerted text}{fg=fibeamer@lightOrange}

    %% Items, footnotes and links
    \setbeamercolor*{item}{fg=fibeamer@lightBrown}
    \setbeamercolor*{footnote mark}{fg=fibeamer@lightBrown}
  \hypersetup{urlcolor=fibeamer@lightBrown, citecolor=fibeamer@lightBrown}
    %% Blocks
    \setbeamercolor*{block title}{%
      fg=fibeamer@white, bg=fibeamer@brown!60!fibeamer@white}
    \setbeamercolor*{block title example}{%
      fg=fibeamer@white, bg=fibeamer@brown!60!fibeamer@white}
    \setbeamercolor*{block title alerted}{%
      fg=fibeamer@darkBrown, bg=fibeamer@lightOrange}
    \setbeamercolor*{block body}{%
      fg=fibeamer@brown,
      bg=fibeamer@gray!15!fibeamer@white}
    \usebeamercolor*{normal text}
    % Code listings
    \lstset{%
      commentstyle=\color{green!30!fibeamer@white},
      keywordstyle=\color{blue!30!fibeamer@white},
      stringstyle=\color{fibeamer@brown!30!fibeamer@white}}
    }{%
  \endgroup}
```

Outside the darkframes environment, the light theme is used.

```
%% Structures
\setbeamercolor{frametitle}{fg=fibeamer@brown}
\setbeamercolor{framesubtitle}{fg=fibeamer@black!75!fibeamer@white}
%% Text
\setbeamercolor{normal text}{fg=fibeamer@black, bg=fibeamer@white}
\setbeamercolor{structure}{fg=fibeamer@black, bg=fibeamer@white}

\setbeamercolor{alerted text}{fg=red}
\addtobeamertemplate{block begin}{%
  \iffibeamer@dark % alerted text in plain block at dark slides
    \setbeamercolor{alerted text}{fg=fibeamer@orange}%
  \fi}{}

%% Items, footnotes and links
\setbeamercolor{item}{fg=fibeamer@brown}
\setbeamercolor{footnote mark}{fg=fibeamer@brown}
\hypersetup{urlcolor=fibeamer@brown, citecolor=fibeamer@brown}
%% Blocks
\setbeamercolor{block title}{%
  fg=fibeamer@white, bg=fibeamer@brown}
\setbeamercolor{block title example}{%
  fg=fibeamer@white, bg=fibeamer@brown}
```

```
  \setbeamercolor{block title alerted}{%
    fg=fibeamer@white, bg=red}
  \setbeamercolor{block body}{%
    fg=fibeamer@brown, bg=fibeamer@gray!20!fibeamer@white}
  %% Title
  \setbeamercolor{title}{fg=fibeamer@white, bg=fibeamer@brown}
  % Code listings
  \lstset{%
    basicstyle=\footnotesize\ttfamily,
    breakatwhitespace=false,
    breaklines=true,
    commentstyle=\color{green!60!fibeamer@black},
    extendedchars=true,
    keywordstyle=\color{blue},
    showspaces=false,
    showstringspaces=false,
    showtabs=false,
    stringstyle=\color{violet}}
\mode
<all>
```

4.9 The Faculty of Medicine

4.9.1 The `theme/mu/beamercolorthemefibeamer-med.sty` file

This is the color theme for presentations written at the Faculty of Medicine at the Masaryk University in Brno. This theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu-med}[2016/05/06]
\mode<presentation>
```

This color theme uses the combination of yellow and shades of gray. The `fibeamer@{dark,light}@background{Inner,Outer}` colors are used within the background canvas template, which is defined within the base color theme of the Masaryk University and which draws the gradient background of the frames.

```
  \definecolor{fibeamer@black}{HTML}{000000}
  \definecolor{fibeamer@white}{HTML}{FFFFFF}
  \definecolor{fibeamer@red}{HTML}{c82600}
  \colorlet{fibeamer@lightRed}{fibeamer@red!30!fibeamer@white}
  \colorlet{fibeamer@darkRed}{fibeamer@red!60!fibeamer@black}
  \definecolor{fibeamer@gray}{HTML}{999999}
  \definecolor{fibeamer@lightOrange}{HTML}{FFA25E}
  \colorlet{fibeamer@orange}{fibeamer@lightOrange!80!fibeamer@darkRed}

  %% Background gradients
  \colorlet{fibeamer@dark@backgroundInner}{fibeamer@darkRed}
  \colorlet{fibeamer@dark@backgroundOuter}{fibeamer@darkRed}
  \colorlet{fibeamer@light@backgroundInner}{fibeamer@white}
```

```
\colorlet{fibeamer@light@backgroundOuter}{fibeamer@white}
```

The darkframes environment switches the \iffibeamer@darktrue conditional on and sets a dark color theme.

```
\renewenvironment{darkframes}{%
  \begingroup
    \fibeamer@darktrue
    %% Structures
    \setbeamercolor*{frametitle}{fg=fibeamer@lightRed}
    \setbeamercolor*{framesubtitle}{fg=fibeamer@white}
    %% Text
    \setbeamercolor*{normal text}{fg=fibeamer@white, bg=fibeamer@red}
    \setbeamercolor*{structure}{fg=fibeamer@white, bg=fibeamer@red}
    \setbeamercolor*{alerted text}{fg=fibeamer@lightOrange}
    %% Items, footnotes and links
    \setbeamercolor*{item}{fg=fibeamer@lightRed}
    \setbeamercolor*{footnote mark}{fg=fibeamer@lightRed}
    \hypersetup{urlcolor=fibeamer@lightRed, citecolor=fibeamer@lightRed}
    %% Blocks
    \setbeamercolor*{block title}{%
      fg=fibeamer@white, bg=fibeamer@red!60!fibeamer@white}
    \setbeamercolor*{block title example}{%
      fg=fibeamer@white, bg=fibeamer@red!60!fibeamer@white}
    \setbeamercolor*{block title alerted}{%
      fg=fibeamer@darkRed, bg=fibeamer@lightOrange}
    \setbeamercolor*{block body}{%
      fg=fibeamer@red,
      bg=fibeamer@gray!15!fibeamer@white}
    \usebeamercolor*{normal text}
    % Code listings
    \lstset{%
      commentstyle=\color{green!30!fibeamer@white},
      keywordstyle=\color{blue!30!fibeamer@white},
      stringstyle=\color{fibeamer@lightRed}}
    }{%
  \endgroup}
```

Outside the darkframes environment, the light theme is used.

```
%% Structures
\setbeamercolor{frametitle}{fg=fibeamer@red}
\setbeamercolor{framesubtitle}{fg=fibeamer@black!75!fibeamer@white}
%% Text
\setbeamercolor{normal text}{fg=fibeamer@black, bg=fibeamer@white}
\setbeamercolor{structure}{fg=fibeamer@black, bg=fibeamer@white}
\setbeamercolor{alerted text}{fg=orange}
\addtobeamertemplate{block begin}{%
  \iffibeamer@dark % alerted text in plain block at dark slides
    \setbeamercolor{alerted text}{fg=fibeamer@orange}%
  \fi}{}
```

```
  %% Items, footnotes and links
  \setbeamercolor*{item}{fg=fibeamer@red}
  \setbeamercolor*{footnote mark}{fg=fibeamer@red}
  \hypersetup{urlcolor=fibeamer@red, citecolor=fibeamer@red}
  %% Blocks
  \setbeamercolor{block title}{%
    fg=fibeamer@white, bg=fibeamer@red}
  \setbeamercolor{block title example}{%
    fg=fibeamer@white, bg=fibeamer@red}
  \setbeamercolor{block title alerted}{%
    fg=fibeamer@white, bg=orange}
  \setbeamercolor{block body}{%
    fg=fibeamer@red!90!fibeamer@black,
    bg=fibeamer@gray!20!fibeamer@white}
  %% Title
  \setbeamercolor{title}{fg=fibeamer@white, bg=fibeamer@red}
  % Code listings
  \lstset{%
    basicstyle=\footnotesize\ttfamily,
    breakatwhitespace=false,
    breaklines=true,
    commentstyle=\color{green!60!fibeamer@black},
    extendedchars=true,
    keywordstyle=\color{blue},
    showspaces=false,
    showstringspaces=false,
    showtabs=false,
    stringstyle=\color{violet}}
\mode
<all>
```

4.10 The Faculty of Sports Studies

4.10.1 The `theme/mu/beamercolorthemefibeamer-fsps.sty` file

This is the color theme for presentations written at the Faculty of Sports Studies at the Masaryk University in Brno. This theme has no effect outside the presentation mode.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fibeamer/theme/mu/%
  beamercolorthemefibeamer-mu-fsps}[2016/05/06]
\mode<presentation>
```

This color theme uses the combination of yellow and shades of gray. The `fibeamer@{dark,light}@background{Inner,Outer}` colors are used within the background canvas template, which is defined within the base color theme of the Masaryk University and which draws the gradient background of the frames.

```
  \definecolor{fibeamer@black}{HTML}{000000}
  \definecolor{fibeamer@white}{HTML}{FFFFFF}
```

```
\definecolor{fibeamer@blue}{HTML}{283889}
\colorlet{fibeamer@darkBlue}{fibeamer@blue!60!fibeamer@black}
\definecolor{fibeamer@brightBlue}{HTML}{3998F9}
\colorlet{fibeamer@lightBlue}{fibeamer@blue!30!fibeamer@white}
\definecolor{fibeamer@gray}{HTML}{999999}
\definecolor{fibeamer@lightOrange}{HTML}{FFA25E}
\colorlet{fibeamer@orange}{fibeamer@lightOrange!80!fibeamer@darkBlue}

%% Background gradients
\colorlet{fibeamer@dark@backgroundInner}{fibeamer@darkBlue}
\colorlet{fibeamer@dark@backgroundOuter}{fibeamer@darkBlue}
\colorlet{fibeamer@light@backgroundInner}{fibeamer@white}
\colorlet{fibeamer@light@backgroundOuter}{fibeamer@white}
```

The darkframes environment switches the \iffibeamer@darktrue conditional on and sets a dark color theme.

```
\renewenvironment{darkframes}{%
  \begingroup
    \fibeamer@darktrue
    %% Structures
    \setbeamercolor*{frametitle}{fg=fibeamer@blue!30!fibeamer@white}
    \setbeamercolor*{framesubtitle}{fg=fibeamer@white}
    %% Text
    \setbeamercolor*{normal text}{fg=fibeamer@white, bg=fibeamer@blue}
    \setbeamercolor*{structure}{fg=fibeamer@white, bg=fibeamer@blue}

    \setbeamercolor*{alerted text}{fg=fibeamer@lightOrange}

    %% Items, footnotes and links
    \setbeamercolor*{item}{fg=fibeamer@lightBlue}
    \setbeamercolor*{footnote mark}{fg=fibeamer@lightBlue}
  \hypersetup{urlcolor=fibeamer@lightBlue, citecolor=fibeamer@lightBlue}
    %% Blocks
    \setbeamercolor*{block title}{%
      fg=fibeamer@white, bg=fibeamer@blue!60!fibeamer@white}
    \setbeamercolor*{block title example}{%
      fg=fibeamer@white, bg=fibeamer@blue!60!fibeamer@white}
    \setbeamercolor*{block title alerted}{%
      fg=fibeamer@darkBlue, bg=fibeamer@lightOrange}
    \setbeamercolor*{block body}{%
      fg=fibeamer@blue,
      bg=fibeamer@gray!15!fibeamer@white}
    \usebeamercolor*{normal text}
    % Code listings
    \lstset{%
      commentstyle=\color{green!30!fibeamer@white},
     keywordstyle=\color{blue!40!fibeamer@brightBlue!25!fibeamer@white},
      stringstyle=\color{red!30!fibeamer@white}}
    }{%
  \endgroup}
```

Outside the darkframes environment, the light theme is used.

```
  %% Structures
  \setbeamercolor{frametitle}{fg=fibeamer@blue}
  \setbeamercolor{framesubtitle}{fg=fibeamer@black!75!fibeamer@white}
  %% Text
  \setbeamercolor{normal text}{fg=fibeamer@black, bg=fibeamer@white}
  \setbeamercolor{structure}{fg=fibeamer@black, bg=fibeamer@white}

  \setbeamercolor{alerted text}{fg=red}
  \addtobeamertemplate{block begin}{%
    \iffibeamer@dark % alerted text in plain block at dark slides
      \setbeamercolor{alerted text}{fg=fibeamer@orange}%
    \fi}{}

  %% Items, footnotes and links
  \setbeamercolor{item}{fg=fibeamer@blue}
  \setbeamercolor{footnote mark}{fg=fibeamer@blue}
  \hypersetup{urlcolor=fibeamer@blue, citecolor=fibeamer@blue}
  %% Blocks
  \setbeamercolor{block title}{%
    fg=fibeamer@white, bg=fibeamer@blue}
  \setbeamercolor{block title example}{%
    fg=fibeamer@white, bg=fibeamer@blue}
  \setbeamercolor{block title alerted}{%
    fg=fibeamer@white, bg=red}
  \setbeamercolor{block body}{%
    fg=fibeamer@blue, bg=fibeamer@gray!20!fibeamer@white}
  %% Title
  \setbeamercolor{title}{fg=fibeamer@white, bg=fibeamer@blue}
  % Code listings
  \lstset{%
    basicstyle=\footnotesize\ttfamily,
    breakatwhitespace=false,
    breaklines=true,
    commentstyle=\color{green!60!fibeamer@black},
    extendedchars=true,
    keywordstyle=\color{fibeamer@brightBlue!50!fibeamer@blue},
    showspaces=false,
    showstringspaces=false,
    showtabs=false,
    stringstyle=\color{violet}}
\mode
<all>
```

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Change History

v1.0.1
General: Added DVI output support. [VN] 13
v1.0.2
General: Added the opt-out microtype option. [VN] 3
v1.0.3
General: The example documents from the example directory and the user guide from the guide directory are now a part of the CTAN archive. [VN] 1
v1.0.4
General: Updated the user guide of the Masaryk University in Brno. [VN] 1
v1.1.0:1
\fibeamer@locale: Added the locale option and the \fibeamer@locale macro. [VN] 4
\fibeamer@logo: Changed the implicit value of the \fibeamer@logo macro. [VN] . . 6
General: Added the new logo files for the faculties of the Masaryk University in Brno and removed the old logo files. [VN] 1
The faculty logos are no longer displayed on regular slides, as per the new unified design of the Masaryk University in Brno. [VN] 14
v1.1.0:2
\fibeamer@logoLocale: Added the logoLocale option and the \fibeamer@logoLocale macro. [VN] 4
v1.1.0:3
\fibeamer@fallbackLogo: Added the \fibeamer@fallbackLogo macro. [VN] 7
v1.1.0:4
General: Length definitions within the themes of the Masaryk University in Brno are no longer based on the dimensions of the (now unused) logo in the upper right corner. [VN] 14
v1.1.0:5
\fibeamer@includeLogo: Added the \fibeamer@includeLogo macro. [VN] 7
v1.1.0:6
General: Added support for the \tableofcontents to the themes of the Masaryk University in Brno. [VN] 12
Added the logo dimension definitions to the themes of the Masaryk University in Brno. [VN] 14
Updated the example documents of the Masaryk University in Brno to showcase the use of the \tableofcontents. [VN] 1

v1.1.0:7
General: Added support for \alert to the themes of the Masaryk University in Brno. [VN] 17–20, 22, 24, 26–29, 31, 33, 35, 36
Updated the example documents of the Masaryk University in Brno to showcase the use of \alert. [VN] 1
v1.1.0:8
General: Added support for colored citations to the themes of the Masaryk University in Brno. [VN] 12
v1.1.1:1
\fibeamer@fallbackLogo: Added the fallbackLogo option. [VN] 7
v1.1.1:2
General: Added proper coloring of \qed to the themes of the Masaryk University in Brno. [VN] 11
v1.1.1:3
General: Refactored the themes of the Masaryk University in Brno. Removed the useless uses of use in the color themes. Replaced \setbeamertemplate in the inner theme with the more appropriate \defbeamertemplate*. Added missing %s. [VN] 1
v1.1.2
\fibeamer@patch: Added \fibeamer@patch. 8
v1.1.3
General: Added visual tests of output PDFs. 1
v1.1.4:1
General: Completely revamped the color theme of the Faculty of Education at the Masaryk University in Brno. [VN] 23
Completely revamped the color theme of the Faculty of Informatics at the Masaryk University in Brno. [VN] 16
v1.1.4:2
General: Removed gradient backgrounds from the color themes of the Masaryk University in Brno. [VN] 17, 19, 21, 23, 26, 28, 30, 32, 35
v1.1.4:3
General: Added proper link coloring for the color themes of the Masaryk University in Brno. [VN] 12, 17–20, 22, 24–29, 31, 33–36
v1.1.4:4
General: Added support for subtitle and author name coloring within the color themes of the Masaryk University in Brno. [VN] 16, 18, 25
v1.1.4:5
General: Unified the alert colors in the color themes of the Masaryk University in Brno. [VN] 17–20, 22, 24, 26–29, 31, 33, 35, 36
v1.1.5:1
General: Added pdfencoding to the hyperref package setup. This fixes the problem with garbled characters in PDF metadata with LuaTeX. 1
v1.1.5:2
General: Updated the light color theme of the Faculty of Informatics at the Masaryk University in Brno. [VN] 18
v1.1.6
General: Added proper citation coloring for the color themes of the Masaryk University in Brno. [VN] . 17–20, 22, 24–29, 31, 33–36
The title frame now properly loads the color theme definitions for dark frames. As a result, the hyperref URL color for light frames is no longer used in the title frame. [VN] . . 15
v1.1.7
General: Removed undesirable TeX ligatures from the mono font. [VN] 9
v1.1.8
General: Fixed active character - in pdfLaTeX example documents. . . 1