The fithesis3 class for the typesetting of theses written at the Masaryk University in Brno

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Abstract

This document details the design and the implementation of the fithesis3 document class. It contains technical information for anyone who wishes to extend the class with their locale or style files. Users who only wish to use the class are advised to consult the guides distributed along with the class, which only document the parts of the public API relevant to the given style files.

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1 Required classes and packages

\thesis@backend

The class requires the class specified in \thesis@backend, whose default value is [a4paper]{rapport3}. If a different base class is desired, it can be specified by redefining \thesis@backend prior to loading the fithesis3 class.

```
\ProvidesClass{fithesis3}[\thesis@version]
\ifx\thesis@backend\undefined
  \def\thesis@backend{[a4paper]{rapport3}}
\fi\expandafter\LoadClass\thesis@backend
```

The class also requires the following packages:

- keyval – Adds support for parsing comma-delimited lists of key-value pairs.
- etoolbox – Adds support for expanding code after the preamble using the \AtPreamble hook.
- ltxcmds – Implements several commands from the LaTeX kernel. Used for the \ltx@ifpackageloaded command, which – unlike its \@ifpackageloaded counterpart – can be used outside the preamble.
- ifxetex – Used to detect the XeTeX engine.
- ifluatex – Used to detect the LuaTeX engine.
- inputenc – Used to enable the input UTF-8 encoding. This package does not get loaded under the XeTeX and LuaTeX engines.

The hyperref package is also conditionally loaded during the expansion of the \thesis@load macro (see Section 2.4). Other packages may be required by the style files (see Section 3.5) you are using.

```
\RequirePackage{keyval}
\RequirePackage{etoolbox}
\RequirePackage{ltxcmds}
\RequirePackage{ifxetex}
\RequirePackage{ifluatex}
\ifxetex\else\ifluatex\else
  \RequirePackage[utf8]{inputenc}
\fi\fi
```

2 Public API

2.1 Options

Any [⟨*options*⟩] passed to the class will be handed down to the loaded style files. The supported options are therefore documented in the subsections of Section 3.5

dedicated to the respective style files. At the moment, all options are processed by the `style/mu/fithesis-base.sty` style file documented in Section 3.5.2.2.

2.2 The `\thesissetup` macro

`\thesissetup` The main public macro is the `\thesissetup{`⟨*keyvals*⟩`}` command, where *keyvals* is a comma-delimited list of key-value pairs as defined by the `keyval` package. This macro needs to be included prior to the beginning of a LaTeX document. When used, the *keyvals* are processed.

Note that the values passed to the `\thesissetup` public macro may only contain one paragraph of text. If you wish to set multiple paragraphs of text as the value, you need to use the `\thesislong` public macro (see Section 2.3).

```
\def\thesissetup#1{%
  \setkeys{thesis}{#1}}
```

2.2.1 The `basePath` key

`\thesis@basepath` The `{`⟨`basePath=`*path*⟩`}` pair sets the *path* containing the class files. The *path* is prepended to every other path (`\thesis@logopath`, `\thesis@stylepath` and `\thesis@localepath`) used by the class. If non-empty, the *path* gets normalized to *path/*. The normalized *path* is stored within the `\thesis@basepath` macro, whose implicit value is `fithesis/`.

```
\def\thesis@basepath{fithesis/}
\define@key{thesis}{basePath}{%
  \ifx\thesis@empty#1\thesis@empty
    \def\thesis@basepath{}%
  \else
    \def\thesis@basepath{#1/}%
  \fi}
```

`\thesis@logopath`

2.2.2 The `logoPath` key

The `{`⟨`logoPath=`*path*⟩`}` pair sets the *path* containing the logo files, which is used by the style files to load the university and faculty logos. The *path* is normalized using the `\thesis@subdir` macro and stored within the `\thesis@logopath` macro, whose implicit value is `\thesis@basepath` followed by `logo/\thesis@university/`. By default, this expands to `fithesis/logo/mu/`.

```
\def\thesis@logopath{\thesis@basepath logo/\thesis@university/}
\define@key{thesis}{logoPath}{%
  \def\thesis@logopath{\thesis@subdir#1%
    \empty\empty\empty\empty}}
```

\thesis@stylepath

2.2.3 The stylePath key

The {⟨stylePath=*path*⟩} pair sets the *path* containing the style files. The *path* is normalized using the \thesis@subdir macro and stored within the \thesis@stylepath macro, whose implicit value is \thesis@basepath style/. By default, this expands to fithesis/style/.

```
\def\thesis@stylepath{\thesis@basepath style/}
\define@key{thesis}{stylePath}{%
  \def\thesis@stylepath{\thesis@subdir#1%
    \empty\empty\empty\empty}}
```

\thesis@localepath

2.2.4 The localePath key

The {⟨localePath=*path*⟩} pair sets the *path* containing the locale files. The *path* is normalized using the \thesis@subdir macro and stored within the \thesis@localepath macro, whose implicit value is \thesis@basepath followed by locale/. By default, this expands to fithesis/locale/.

```
\def\thesis@localepath{\thesis@basepath locale/}
\define@key{thesis}{localePath}{%
  \def\thesis@localepath{\thesis@subdir#1%
    \empty\empty\empty\empty}}
```

\thesis@subdir

The \thesis@subdir macro returns / unchanged, coerces ., .., */path*, ./*path* and ../*path* to ./, ../, */path/*, ./*path/* and ../*path/*, respectively, and prefixes any other *path* with \thesis@basepath.

```
\def\thesis@subdir#1#2#3#4\empty{%
  \ifx#1\empty%           <empty> -> <basepath>
    \thesis@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
                \thesis@basepath#1#2#3#4/%
```

```
            \fi
          \fi
        \else
          \if#2/%      ./<path> -> ./<path>/
            ./#3#4/%
          \else
            \thesis@basepath#1#2#3#4/%
          \fi
        \fi
      \fi
    \else
      \thesis@basepath#1#2#3#4/%
    \fi
  \fi
\fi}
```

`\thesis@def` The `\thesis@def[⟨key⟩]{⟨name⟩}` macro defines the `\thesis@`*name* macro to expand to either «*key*», if specified, or to «*name*». The macro serves to provide placeholder strings for macros with no default value.

```
\newcommand{\thesis@def}[2][]{%
  \expandafter\def\csname thesis@#2\endcsname{%
    <<\ifx\thesis@empty#1\thesis@empty#2\else#1\fi>>}}
```

`\thesis@declaration`

2.2.5 The `declaration` key

The {⟨`declaration`=*text*⟩} pair sets the declaration *text* to be included into the document. The *text* is stored within the `\thesis@declaration` macro, whose implicit value is `\thesis@@{declaration}`.

```
\def\thesis@declaration{\thesis@@{declaration}}
\long\def\KV@thesis@declaration#1{%
  \long\def\thesis@declaration{#1}}
```

`\ifthesis@woman`

2.2.6 The `gender` key

The {⟨`gender`=*char*⟩} pair sets the author's gender to either a male, if *char* is the character `m`, or to a female. The gender can be tested using the `\ifthesis@woman` ... `\else` ... `\fi` conditional. The implicit gender is male.

```
\newif\ifthesis@woman\thesis@womanfalse
\define@key{thesis}{gender}{%
  \def\thesis@male{m}%
  \def\thesis@arg{#1}%
  \ifx\thesis@male\thesis@arg
    \thesis@womanfalse
  \else
    \thesis@womantrue
  \fi}
```

\thesis@author

2.2.7 The author key

The {⟨author=*name*⟩} pair sets the author's full name to *name*. The *name* is parsed
\thesis@parseAuthor using the \thesis@parseAuthor macro and stored within the following macros:

\thesis@author
- \thesis@author – The full name of the author.

\thesis@author@head
- \thesis@author@head – The first space-delimited part of the name. This corresponds to the author's first name.

\thesis@author@tail
- \thesis@author@tail – The full name without the first space-delimited part of the name. This corresponds to the author's surname.

\author The standard LaTeX \author macro also sets this key.

```
\def\thesis@parseAuthor#1{%
  \def\thesis@author{#1}%
  \def\thesis@author@head{\expandafter\expandafter\expandafter
    \@gobble\thesis@head#1 \relax}%
  \def\thesis@author@tail{\thesis@tail#1 \relax}}
\thesis@def{author}%
\thesis@def[author]{author@head}%
\thesis@def[author]{author@tail}%
\define@key{thesis}{author}{%
  \thesis@parseAuthor{#1}}
\let\author\thesis@parseAuthor
```

\thesis@id

2.2.8 The id key

The {⟨id=*identifier*⟩} pair sets the identifier of the thesis author to *identifier*. This usually corresponds to the unique identifier of the author within the information system of the given university.

```
\thesis@def{id}
\define@key{thesis}{id}{%
  \def\thesis@id{#1}}
```

\thesis@type

2.2.9 The type key

The {⟨type=*type*⟩} pair sets the type of the thesis to *type*. The following types of theses are recognized:

The thesis type	The value of *type*
Seminar paper	sem
Bachelor's thesis	bc
Master's thesis	mgr
Doctoral thesis	d
Rigorous thesis	r

The *type* is stored within the `\thesis@type` macro, whose implicit value is `bc`. For the ease of testing of the thesis type via `\ifx` conditions within style and locale files, the `\thesis@sempaper`, `\thesis@bachelors`, `\thesis@masters`, `\thesis@doctoral` and `\thesis@rigorous` macros containing the corresponding *type* values are available as a part of the private API.

\thesis@sempaper
\thesis@bachelors
\thesis@masters
\thesis@doctoral
\thesis@rigorous

```
\def\thesis@sempaper{sem}
\def\thesis@bachelors{bc}
\def\thesis@masters{mgr}
\def\thesis@doctoral{d}
\def\thesis@rigorous{r}
\let\thesis@type\thesis@bachelors
\define@key{thesis}{type}{%
  \def\thesis@type{#1}}
```

\thesis@university

2.2.10 The `university` key

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

```
\def\thesis@university{mu}
\define@key{thesis}{university}{%
  \def\thesis@university{#1}}
```

\thesis@faculty

2.2.11 The `faculty` key

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 `\thesis@faculty` macro, whose implicit value is `fi`.

```
\def\thesis@faculty{fi}
\define@key{thesis}{faculty}{%
  \def\thesis@faculty{#1}}
```

\thesis@department

2.2.12 The `department` key

The {⟨`department`=*name*⟩} pair sets the name of the department, at which the thesis is being written, to *name*. Unlike the university and faculty identifiers, `fithesis3` does not prescribe the format of the *name*; the style files may internally parse it, or typeset it as-is. The *name* is stored within the `\thesis@department` macro.

```
\thesis@def{department}
\define@key{thesis}{department}{%
  \def\thesis@department{#1}}
```

\thesis@departmentEn

2.2.13 The `departmentEn` key

The {⟨`departmentEn`=*name*⟩} pair sets the English name of the department, at which the thesis is being written, to *name*. The *name* is stored within the `\thesis@departmentEn` macro.

```
\thesis@def{departmentEn}
\define@key{thesis}{departmentEn}{%
  \def\thesis@departmentEn{#1}}
```

\thesis@programme

2.2.14 The `programme` key

The {⟨`programme`=*name*⟩} pair sets the name of the author's study programme to *name*. Unlike the university and faculty identifiers, the programme *name* is only used for typesetting and it should therefore be specified in plain language with optional TEX macros. The *name* is stored within the `\thesis@programme` macro.

```
\thesis@def{programme}
\define@key{thesis}{programme}{%
  \def\thesis@programme{#1}}
```

\thesis@programmeEn

2.2.15 The `programmeEn` key

The {⟨`programmeEn`=*name*⟩} pair sets the English name of the author's study programme to *name*. The *name* is stored within the `\thesis@programmeEn` macro.

```
\thesis@def{programmeEn}
\define@key{thesis}{programmeEn}{%
  \def\thesis@programmeEn{#1}}
```

\thesis@field

2.2.16 The `field` key

The {⟨`field`=*name*⟩} pair sets the name of the author's field of study to *name*. Unlike the university and faculty identifiers, the *name* of the field of study is only used for typesetting and it should therefore be specified in plain language with optional TEX macros. The *name* is stored within the `\thesis@field` macro.

```
\thesis@def{field}
```

```
\define@key{thesis}{field}{%
  \def\thesis@field{#1}}
```

\thesis@fieldEn

2.2.17 The `fieldEn` key

The {⟨`fieldEn`=*name*⟩} pair sets the English name of the author's field of stufy to *name*. The *name* is stored within the `\thesis@fieldEn` macro.

```
\thesis@def{fieldEn}
\define@key{thesis}{fieldEn}{%
  \def\thesis@fieldEn{#1}}
```

\thesis@universityLogo

2.2.18 The `universityLogo` key

The {⟨`universityLogo`=*filename*⟩} pair sets the filename of the logo file to be used as the university logo to *filename*. The *filename* is stored within the `\thesis@universityLogo` macro, whose implicit value is `fithesis-base`. The `fithesis-` prefix serves to prevent package clashes with other similarly named files within the TEX directory structure. The logo file is loaded from the `\thesis@logopath\thesis@universityLogo` path.

```
\def\thesis@universityLogo{fithesis-base}
\define@key{thesis}{universityLogo}{%
  \def\thesis@universityLogo{#1}}
```

\thesis@facultyLogo

2.2.19 The `facultyLogo` key

The {⟨`facultyLogo`=*filename*⟩} pair sets the filename of the logo file to be used as the faculty logo to *filename*. The *filename* is stored within the `\thesis@facultyLogo` macro, whose implicit value is `fithesis-\thesis@faculty`. The `fithesis-` prefix serves to prevent package clashes with other similarly named files within the TEX directory structure. The logo file is loaded from the `\thesis@logopath\thesis@facultyLogo` path.

```
\def\thesis@facultyLogo{fithesis-\thesis@faculty}
\define@key{thesis}{facultyLogo}{%
  \def\thesis@facultyLogo{#1}}
```

\thesis@style

2.2.20 The `style` key

The {⟨`style`=*filename*⟩} pair sets the filename of the style file to be used to *filename*. The *filename* is stored within the `\thesis@style` macro, whose implicit value is `\thesis@university/fithesis-\thesis@faculty`. When the *filename* is an empty token string, no style files will be loaded during the main routine (see Section 2.4).

```
\def\thesis@style{\thesis@university/fithesis-\thesis@faculty}
\define@key{thesis}{style}{%
  \def\thesis@style{#1}}
```

\thesis@style@inheritance

2.2.21 The `styleInheritance` key

The {⟨`styleInheritance`=*bool*⟩} pair either enables, if *bool* is `true` or unspecified, or disables the inheritance for style files. The setting affects the function of the `\thesis@requireStyle` macro (see Section 3.1) and can be tested using the `\ifthesis@style@inheritance` ... `\else` ... `\fi` conditional. Inheritance is enabled for style files by default.

```
\newif\ifthesis@style@inheritance\thesis@style@inheritancetrue
\define@key{thesis}{styleInheritance}[true]{%
  \begingroup
  \def\@true{true}%
  \def\@arg{#1}%
  \ifx\@true\@arg
    \endgroup\thesis@style@inheritancetrue
  \else
    \endgroup\thesis@style@inheritancefalse
  \fi}
```

\thesis@locale

2.2.22 The `locale` key

The {⟨`locale`=*name*⟩} pair sets the name of the main locale to *name*. The *name* is stored within the `\thesis@locale` macro, whose implicit value is the main language of either the babel or the polyglossia package, or `english`, when undefined. When the *name* is an empty token string, no locale files will be loaded during the main routine (see Section 2.4).

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

\ifthesis@english

The English locale is special. Several parts of the document will typically be typeset in both the current locale and English. However, if the current locale is English, this would result in duplicity. To avoid this, the `\ifthesis@english` ... `\else` ... `\fi` conditional is made available for testing, whether or not the current locale is English.

```
\def\ifthesis@english{
  \expandafter\def\expandafter\@english\expandafter{\string
  \english}%
  \expandafter\expandafter\expandafter\def\expandafter
  \expandafter\expandafter\@locale\expandafter\expandafter
  \expandafter{\expandafter\string\csname\thesis@locale\endcsname}%
  \expandafter\csname\expandafter i\expandafter f\ifx\@locale
  \@english
    true%
  \else
```

```
    false%
\fi\endcsname}
```

\thesis@locale@inheritance

2.2.23 The `localeInheritance` key

The {⟨`localeInheritance`=*bool*⟩} pair either enables, if *bool* is `true` or unspecified, or disables the inheritance. The setting affects the function of the `\thesis@requireLocale` macro (see Section 3.1) and can be tested using the `\ifthesis@locale@inheritance` ... `\else` ... `\fi` conditional. Inheritance is enabled for locale files by default.

```
\newif\ifthesis@locale@inheritance\thesis@locale@inheritancetrue
\define@key{thesis}{localeInheritance}[true]{%
  \begingroup
  \def\@true{true}%
  \def\@arg{#1}%
  \ifx\@true\@arg
    \endgroup\thesis@locale@inheritancetrue
  \else
    \endgroup\thesis@locale@inheritancefalse
  \fi}
```

2.2.24 The `date` key

The {⟨`date`=*date*⟩} pair sets the date of the thesis submission to *date*, where *date* is a string in the `YYYY/MM/DD` format, where `YYYY` stands for full year, `MM` stands for month and `DD` stands for day. The *date* is parsed and stored using the `\thesis@parseDate` macro within the following macros:

\thesis@parseDate
\thesis@date
\thesis@year
\thesis@month
\thesis@day

- `\thesis@date` – The entire *date*
- `\thesis@month` – The `MM` of *date*
- `\thesis@year` – The `YYYY` of *date*
- `\thesis@day` – The `DD` of *date*

\thesis@season

- `\thesis@season` – Expands to either:
  - `spring` if $2 < \texttt{MM} < 9$,
  - `fall` if $\texttt{MM} \leq 2$ or $\texttt{MM} \geq 9$.

\thesis@seasonYear

- `\thesis@seasonYear` – The year of the given semester:
  - `YYYY` $- 1$ if $\texttt{MM} \leq 2$.
  - `YYYY` if $\texttt{MM} > 2$

\thesis@academicYear

- `\thesis@academicYear` – The academic year of the given semester:
  - `YYYY` $- 1$`/YYYY` if $\texttt{MM} < 9$.
  - `YYYY/YYYY` $+ 1$ if $\texttt{MM} \geq 9$

To set up the default values, the \thesis@parseDate macro is called with the fully expanded \the\year/\the\month/\the\day string, which equals the current date.

```
\def\thesis@parseDate#1/#2/#3|{{
  % Set the basic macros
  \gdef\thesis@date{#1/#2/#3}%
  \gdef\thesis@year{#1}%
  \gdef\thesis@month{#2}%
  \gdef\thesis@day{#3}%

  % Set the season
  \newcount\@month\expandafter\@month\thesis@month\relax
       \ifnum\@month>8\gdef\thesis@season{fall}
  \else\ifnum\@month<3\gdef\thesis@season{fall}
  \else                \gdef\thesis@season{spring}
  \fi\fi

  % Set the academic year
  \newcount\@year\expandafter\@year\thesis@year\relax
  \ifnum\@month>8%
                     \edef\@yearA{\the\@year}%
    \advance\@year 1\edef\@yearB{\the\@year}%
    \advance\@year-1
  \else
    \advance\@year-1\edef\@yearA{\the\@year}%
    \advance\@year 1\edef\@yearB{\the\@year}%
  \fi
  \global\edef\thesis@academicYear{\@yearA/\@yearB}

  % Set the season year
  \ifnum\@month>2\else
    \advance\@year-1
  \fi
  \global\edef\thesis@seasonYear{\the\@year}}}

\edef\thesis@date{\the\year/\the\month/\the\day}%
\expandafter\thesis@parseDate\thesis@date|%

\define@key{thesis}{date}{{%
  \edef\@date{#1}%
  \expandafter\thesis@parseDate\@date|}}
```

\thesis@place

2.2.25 The place key

The {⟨place=*place*⟩} pair sets the location of the faculty, at which the thesis is being prepared, to *place*. The *place* is stored within the \thesis@place macro, whose implicit value is Brno.

```
\def\thesis@place{Brno}
\define@key{thesis}{place}{%
```

```
220  \def\thesis@place{#1}}
```

\thesis@title

2.2.26 The `title` key

The {⟨`title`=*title*⟩} pair sets the title of the thesis to *title*. The *title* is stored within the `\thesis@title` macro. The standard LaTeX `\title` macro also sets this key.

\title

```
221 \thesis@def{title}
222 \define@key{thesis}{title}{%
223   \def\thesis@title{#1}}
224 \def\title#1{\def\thesis@title{#1}}
```

\maketitle

The standard LaTeX `\maketitle` macro is defined, but disabled.

```
225 \let\maketitle\relax
```

\thesis@TeXtitle

2.2.27 The `TeXtitle` key

The {⟨`TeXtitle`=*title*⟩} pair sets the TeX title of the thesis to *title*. The *title* is used, when typesetting the title, whereas `\thesis@title` is a plain text, which gets included in the PDF header of the resulting document. The *title* is stored within the `\thesis@TeXtitle` macro, whose implicit value is `\thesis@title`.

```
226 \def\thesis@TeXtitle{\thesis@title}
227 \define@key{thesis}{TeXtitle}{%
228   \def\thesis@TeXtitle{#1}}
```

\thesis@titleEn

2.2.28 The `titleEn` key

The {⟨`titleEn`=*title*⟩} pair sets the English title of the thesis to *title*. The *title* is stored within the `\thesis@titleEn` macro.

```
229 \thesis@def{titleEn}
230 \define@key{thesis}{titleEn}{%
231   \def\thesis@titleEn{#1}}
```

\thesis@TeXtitleEn

2.2.29 The `TeXtitleEn` key

The {⟨`TeXtitleEn`=*title*⟩} pair sets the English TeX title of the thesis to *title*. The *title* is used, when typesetting the title, whereas `\thesis@titleEn` is a plain text, which gets included in the PDF header of the resulting document. The *title* is stored within the `\thesis@TeXtitleEn` macro, whose implicit value is `\thesis@titleEn`.

```
232 \def\thesis@TeXtitleEn{\thesis@titleEn}
233 \define@key{thesis}{TeXtitleEn}{%
234   \def\thesis@TeXtitleEn{#1}}
```

\thesis@keywords

2.2.30 The keywords key

The {⟨keywords=*list*⟩} pair sets the keywords of the thesis to the comma-delimited *list*. The *list* is stored within the \thesis@keywords macro.

```
\thesis@def{keywords}
\define@key{thesis}{keywords}{%
  \def\thesis@keywords{#1}}
```

\thesis@TeXkeywords

2.2.31 The TeXkeywords key

The {⟨TeXkeywords=*list*⟩} pair sets the TEX keywords of the thesis to the comma-delimited *list*. The *list* is used, when typesetting the keywords, whereas \thesis@keywords is a plain text, which gets included in the PDF header of the resulting document. The *list* is stored within the \thesis@TeXkeywords macro.

```
\def\thesis@TeXkeywords{\thesis@keywords}
\define@key{thesis}{TeXkeywords}{%
  \def\thesis@TeXkeywords{#1}}
```

\thesis@keywordsEn

2.2.32 The keywordsEn key

The {⟨keywordsEn=*list*⟩} pair sets the English keywords of the thesis to the comma-delimited *list*. The *list* is stored within the \thesis@keywordsEn macro.

```
\thesis@def{keywordsEn}
\define@key{thesis}{keywordsEn}{%
  \def\thesis@keywordsEn{#1}}
```

\thesis@TeXkeywordsEn

2.2.33 The TeXkeywordsEn key

The {⟨TeXkeywordsEn=*list*⟩} pair sets the English TEX keywords of the thesis to the comma-delimited *list*. The *list* is used, when typesetting the keywords, whereas \thesis@keywordsEn is a plain text, which gets included in the PDF header of the resulting document. The *list* is stored within the \thesis@TeXkeywordsEn macro.

```
\def\thesis@TeXkeywordsEn{\thesis@keywordsEn}
\define@key{thesis}{TeXkeywordsEn}{%
  \def\thesis@TeXkeywordsEn{#1}}
```

\thesis@abstract

2.2.34 The abstract key

The {⟨abstract=*text*⟩} pair sets the abstract of the thesis to *text*. The *text* is stored within the \thesis@abstract macro.

```
\thesis@def{abstract}
\long\def\KV@thesis@abstract#1{%
  \long\def\thesis@abstract{#1}}
```

\thesis@abstractEn

2.2.35 The abstractEn key

The {⟨abstractEn=*text*⟩} pair sets the English abstract of the thesis to *text*. The *text* is stored within the \thesis@abstractEn macro.

```
\thesis@def{abstractEn}
\long\def\KV@thesis@abstractEn#1{%
  \long\def\thesis@abstractEn{#1}}
```

\thesis@advisor

2.2.36 The advisor key

The {⟨advisor=*name*⟩} pair sets the thesis advisor's full name to *name*. The *name* is stored within the \thesis@advisor macro.

```
\thesis@def{advisor}
\define@key{thesis}{advisor}{\def\thesis@advisor{#1}}
```

\thesis@thanks

2.2.37 The thanks key

The {⟨thanks=*text*⟩} pair sets the acknowledgement text to *text*. The *text* is stored within the \thesis@thanks macro.

```
\long\def\KV@thesis@thanks#1{%
  \long\def\thesis@thanks{#1}}
```

\thesis@assignmentFiles

2.2.38 The assignment key

The {⟨assignment=*list*⟩} pair sets the comma-delimited list of paths to the PDF files containing the thesis assignment to *list*. The *list* is stored within the \thesis@assignmentFiles macro.

```
\define@key{thesis}{assignment}{%
  \def\thesis@assignmentFiles{#1}}
```

\ifthesis@auto

2.2.39 The autoLayout key

The {⟨autoLayout=*bool*⟩} pair either enables, if *bool* is true or unspecified, or disables autolayout. Autolayout injects the \thesis@preamble and \thesis@postamble macros at the beginning and at the end of the document, respectively. The setting can be tested using the \ifthesis@auto ... \else ... \fi conditional. The autolayout is enabled by default.

```
\newif\ifthesis@auto\thesis@autotrue
\define@key{thesis}{autoLayout}[true]{%
  \def\@true{true}%
  \def\@arg{#1}%
  \ifx\@true\@arg
    \thesis@autotrue
  \else
```

```
    \thesis@autofalse
  \fi}
```

\thesis@preamble
\thesis@postamble
\thesis@blocks@preamble
\thesis@blocks@postamble

The \thesis@preamble and \thesis@postamble macros temporarily switch to the hyphenation patterns and the csquotes style of the main locale and typeset the contents of the \thesis@blocks@preamble or \thesis@blocks@postamble macros, respectively.

Before leaving the group, the \thesis@preamble macro clears the page. After leaving the group, the \thesis@preamble macro sets up the style of the main matter by expanding the \thesis@blocks@mainMatter macro. All the aforementioned @block@ macros are defined as \relax and are subject to redefinition by the loaded style files.

\thesis@blocks@mainMatter

```
\def\thesis@preamble{%
  {\thesis@selectLocale{\thesis@locale}%
  \thesis@blocks@preamble\clearpage}
  \thesis@blocks@mainMatter}

\def\thesis@postamble{{%
  \thesis@selectLocale{\thesis@locale}%
  \thesis@blocks@postamble}}

\let\thesis@blocks@preamble\relax
\let\thesis@blocks@postamble\relax
\let\thesis@blocks@mainMatter\relax
```

2.3 The \thesislong macro

\thesislong

The public macro \thesislong{⟨*key*⟩}{⟨*value*⟩}, where *value* may contain multiple paragraphs of text, can be used as an alternative to the \thesissetup public macro, which only permits a single paragraph as the *value*, for the following *key*s:

- abstract
- abstractEn
- thanks
- declaration

```
\long\def\thesislong#1#2{%
  \csname KV@thesis@#1\endcsname{#2}}
```

2.4 The \thesisload macro

\thesisload
\ifthesis@loaded
\thesis@load

The \thesisload macro is responsible for preparing the environment for, and consequently loading, the necessary locale and style files. By default, the \thesisload macro gets expanded at the end of the preamble, but it can be expanded manually prior to that point, if necessary to prevent package clashes. The \ifthesis@loaded macro ensures that the expansion is only performed once. For backwards compatibility, the \thesis@load macro can be used to the same effect.

```
\newif\ifthesis@loaded\thesis@loadedfalse
\AtEndPreamble{\thesisload}
```

```
\def\thesis@load{\thesisload}
\def\thesisload{%
  \ifthesis@loaded\else
    \thesis@loadedtrue
    \makeatletter
```

First, the name of the main locale file is fully expanded and loaded using the `\thesis@requireLocale` macro. If the user specified an explicit empty string as the value of `\thesis@locale`, do nothing.

```
      \ifx\thesis@locale\empty\else
        \edef\thesis@locale{\thesis@locale}
        \thesis@requireLocale{\thesis@locale}
```

Coerce LuaTeX into defining `\l@`*locale* for *locale*s with known hyphenation patterns, unless babel has been loaded. In that case `\l@`*locale* has already been defined.

```
    \ifluatex
      \ltx@ifpackageloaded{babel}{}{
        % See <article.gmane.org/gmane.comp.tex.luatex.user/5680>
        \RequirePackage[base]{babel}}
    \fi
```

If the babel or polyglossia locale is identical to the thesis locale, the `\thesis@selectLocale` macro will be used to globally set up the csquotes style appropriate for the given locale.

```
        \ifx\languagename\empty\else
          \begingroup
          \edef\@doclocale{\languagename}%
          \ifx\@doclocale\thesis@locale
            \endgroup
            \AtBeginDocument{%
              \thesis@selectLocale{\thesis@locale}}%
          \else
            \endgroup
          \fi
        \fi
      \fi
```

Consequently, the style files are loaded. If the user specified an explicit empty string as the value of `\thesis@style`, do nothing.

```
      \ifx\thesis@style\empty\else
        \thesis@requireStyle{\thesis@style}
      \fi
```

With the placeholder strings loaded from the locale files, we can now inject metadata into the resulting PDF file. To this end, the hyperref package is conditionally included with the `unicode` option. Consequently, the following values are assigned to the PDF headers:

- `Title` is set to `\thesis@title`.
- `Author` is set to `\thesis@author`.

- `Keywords` is set to `\thesis@keywords`.
- `Creator` is set to `2016/04/12 v0.3.37 fithesis3 MU thesis class`.

```
      \thesis@require{hyperref}
      \hypersetup{
        unicode=true,
        pdfencoding=auto,
        pdftitle=\thesis@title,
        pdfauthor=\thesis@author,
        pdfkeywords=\thesis@keywords,
        pdfcreator=\thesis@version}
```

If autolayout is enabled, the `\thesis@preamble` and `\thesis@postamble` macros are scheduled for expansion at the beginning and at the end of the document, respectively.

```
    \ifthesis@auto
      \AtBeginDocument{\thesis@preamble}
      \AtEndDocument{\thesis@postamble}
    \fi
  \makeatother
\fi}
```

3 Private API

3.1 File manipulation macros

`\thesis@exists` The `\thesis@exists{`⟨*file*⟩`}{`⟨*tokens*⟩`}` macro is used to test for the existence of a given *file*. If the *file* exists, the macro expands to *tokens*. Otherwise, a class warning is written to the output.

```
\def\thesis@exists#1#2{%
  \IfFileExists{#1}{#2}{%
  \ClassWarning{fithesis3}{File #1 doesn't exist}}}
```

`\thesis@input` The `\thesis@input{`⟨*file*⟩`}` macro inputs the given *file*, if it exists.

```
\def\thesis@input#1{%
  \thesis@exists{#1}{\input{#1}}}
```

`\thesis@require` The `\thesis@require[`⟨*options*⟩`]{`⟨*package*⟩`}` expands to `\RequirePackage[`⟨*options*⟩`]{`⟨*package*⟩`}`, if the specified *package* has not yet been loaded.

```
\newcommand\thesis@require[2][]{%
  \@ifpackageloaded{#2}{}{\RequirePackage[#1]{#2}}}
```

`\thesis@requireIfExists` The `\thesis@requireIfExists[`⟨*options*⟩`]{`⟨*package*⟩`}` expands to `\thesis@require[`⟨*options*⟩`]{`⟨*package*⟩`}`, if the specified *package* exists and has not yet been loaded.

```
\newcommand\thesis@requireIfExists[2][]{%
  \thesis@exists{#2.sty}{\thesis@require[#1]{#2}}}
```

`\thesis@requireStyle` If inheritance is enabled for style files, then the `\thesis@requireStyle{`⟨*style*⟩`}` macro sequentially loads each of the following files, provided they exist:

1. `\thesis@stylepath fithesis-base.sty`
2. `\thesis@stylepath\thesis@university/fithesis-base.sty`
3. `\thesis@stylepath` *style*`.sty`

If inheritance is disabled for style files, then only the last listed file is loaded. The `fithesis-` prefix serves to prevent package clashes with other similarly named package files within the TEX directory structure.

```
\def\thesis@requireStyle#1{%
  \ifthesis@style@inheritance
    \thesis@requireIfExists{\thesis@stylepath fithesis-base}%
    \thesis@requireIfExists{\thesis@stylepath\thesis@university
      /fithesis-base}
  \fi
  \thesis@requireIfExists{\thesis@stylepath#1}}
```

`\thesis@requireLocale` If inheritance is enabled for style files, then the `\thesis@requireLocale{`⟨*locale*⟩`}` macro sequentially loads each of the following locale files, provided they exist:

1. `\thesis@localepath fithesis-`*locale*`.def`
2. `\thesis@localepath\thesis@university/fithesis-`*locale*`.def`
3. `\thesis@localepath\thesis@university/\thesis@faculty/fithesis-`*locale*`.def`

If inheritance is disabled for locale files, then only the first listed file is loaded. The `fithesis-` prefix serves to prevent clashes with other similarly named files within the TEX directory structure. To prevent undesirable side effects from locale files being loaded multiple times, the `\thesis@`*locale*`@required` macro is defined as a flag, which prevents future invocations with the same *locale*. The macro can be used within both locale and style files, although the usage within locale files is strongly discouraged to prevent circular dependencies.

If the polyglossia package is being used, its definitions for the respective locale get loaded as well. As a consequence, this command may not be used within the document, but only in the preamble.

```
\def\thesis@requireLocale#1{%
  % Ignore redundant requests
  \expandafter\ifx\csname thesis@#1@required\endcsname\relax
    \expandafter\def\csname thesis@#1@required\endcsname{}%
    \@ifpackageloaded{polyglossia}{\setotherlanguage{#1}}{}
    \thesis@input{\thesis@localepath fithesis-#1.def}%
    \ifthesis@locale@inheritance
      \thesis@input{\thesis@localepath\thesis@university/%
        fithesis-#1.def}%
      \thesis@input{\thesis@localepath\thesis@university/%
        \thesis@faculty/fithesis-#1.def}%
    \fi
  \fi}
```

3.2 String manipulation macros

`\thesis@` The `\thesis@{`⟨*name*⟩`}` macro expands to `\thesis@`*name*, where *name* gets fully expanded and can therefore contain active characters and command sequences.

```
\def\thesis@#1{\csname thesis@#1\endcsname}
```

`\thesis@@` The `\thesis@@{`⟨*name*⟩`}` macro expands to `\thesis@`*locale*`@`*name*, where *locale* corresponds to the name of the current locale. The *name* gets fully expanded and can therefore contain active characters and command sequences.

```
\def\thesis@@#1{\thesis@{\thesis@locale @#1}}
```

`\thesis@lower` `\thesis@upper` The `\thesis@lower` and `\thesis@upper` macros are used for upper- and lowercasing within locale files. To cast the `\thesis@`*name* macro to the lower- or uppercase, `\thesis@lower{`*name*`}` or `\thesis@upper{`*name*`}` would be used, respectively. The *name* gets fully expanded and can therefore contain active characters and command sequences.

```
\def\thesis@lower#1{{%
  \let\ea\expandafter
  \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\lowercase\ea\ea\ea
  \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea{\ea\ea\ea\ea\ea\ea\ea\ea\ea
  \ea\ea\ea\ea\ea\ea\@gobble\ea\ea\ea\string\ea\csname\csname the%
  sis@#1\endcsname\endcsname}}}
\def\thesis@upper#1{{%
  \let\ea\expandafter
  \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\uppercase\ea\ea\ea
  \ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea\ea{\ea\ea\ea\ea\ea\ea\ea\ea\ea
  \ea\ea\ea\ea\ea\ea\@gobble\ea\ea\ea\string\ea\csname\csname the%
  sis@#1\endcsname\endcsname}}}
```

`\thesis@@lower` `\thesis@@upper` The `\thesis@@lower` and `\thesis@@upper` macros are used for upper- and lowercasing current *locale* strings within style files. To cast the `\thesis@`*locale*`@`*name* macro to the lower- or uppercase, `\thesis@@lower{`*name*`}` or `\thesis@@upper{`*name*`}` would be used, respectively. The *name* gets fully expanded and can therefore contain active characters and command sequences.

```
\def\thesis@@lower#1{\thesis@lower{\thesis@locale @#1}}
\def\thesis@@upper#1{\thesis@upper{\thesis@locale @#1}}
```

`\thesis@head` `\thesis@tail` The `\thesis@head` and `\thesis@tail` macros are used for retrieving the head or the tail of space-separated token sequences that end with `\relax`.

```
\def\thesis@head#1 #2{%
  \ifx\relax#2%
    \expandafter\@gobbletwo
  \else
    \ #1%
  \fi
  \thesis@head#2}%
\def\thesis@tail#1 #2{%
  \ifx\relax#2%
    #1%
```

```
    \expandafter\@gobbletwo
  \fi
  \thesis@tail#2}%
```

3.3 General purpose macros

`\thesis@pages` The `\thesis@pages` macro contains the total number of pages within the document. During the first TEX compilation, the macro expands to ??.

```
\AtEndDocument{\write\@auxout{\noexpand\gdef\noexpand\thesis@pages{\thepage}}}
\ifx\thesis@pages\undefined\def\thesis@pages{??}\fi
```

`\thesis@selectLocale` `\thesis@selectLocale{`⟨*locale*⟩`}` macro redefines the `\thesis@locale` macro to *locale*, switches to the hyphenation patterns of *locale*, and starts using the `\thesis@`*locale*`@csquotesStyle` style of the csquotes package. The respective locale files and polyglossia locale definitions should be loaded beforehand using the `\thesis@requireLocale` macro.

This macro should always be used within a group, so that the locale, csquotes, and hyphenation settings return back to what the user has specified after the localized blocks of typographic material.

If not loaded by the user, the csquotes package gets loaded at the end of the preamble.

```
\AtEndPreamble{\thesis@require{csquotes}}
\def\thesis@selectLocale#1{%
  \edef\thesis@locale{#1}%
  \csq@setstyle{\thesis@@{csquotesStyle}}%
  \ltx@ifpackageloaded{polyglossia}{%
    \selectlanguage{\thesis@locale}
  }{%
    \language\csname l@\thesis@locale\endcsname
  }}
```

`\thesis@patch` The `\thesis@patch[`⟨*versions*⟩`][`⟨*patch*⟩`]` macro expands *patch*, if `\thesis@version@number` (defined at the top of the file `fithesis3.cls`) matches any of the comma-delimited *versions*. This macro enables the simple deployment of version-targeted patches.

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

```
\expandafter\expandafter\expandafter\thesis@patch@next
\expandafter\thesis@patch@versions\expandafter,\relax,}
```

3.4 Locale files

Locale files contain macro definitions for various locales. They live in the `locale/` subtree and they are loaded during the main routine (see Section 2.4).

When creating a new locale 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

Mind that the name of the locale is also used to load hyphenation patterns, which is why it shouldn't be arbitrary. To see the names of the hyphenation patterns, consult the `hyph-utf8` manual.

3.4.1 Interface

The union of locale files loaded via the locale file inheritance scheme (see the definition of the `\thesis@requireLocale` macro in Section 3.1) needs to globally define the following macros:

- `\thesis@`*locale*`@csquotesStyle` – The name of the style of the `csquotes` package that matches this locale
- `\thesis@`*locale*`@universityName` – The name of the university
- `\thesis@`*locale*`@facultyName` – The name of the faculty
- `\thesis@`*locale*`@assignment` – The instructions to replace the current page with the official thesis assignment
- `\thesis@`*locale*`@declaration` – The thesis declaration text
- `\thesis@`*locale*`@fieldTitle` – The title of the field of study entry
- `\thesis@`*locale*`@advisorTitle` – The title of the advisor entry
- `\thesis@`*locale*`@authorTitle` – The title of the author entry
- `\thesis@`*locale*`@abstractTitle` – The title of the abstract section
- `\thesis@`*locale*`@keywordsTitle` – The title of the keywords section
- `\thesis@`*locale*`@thanksTitle` – The title of the acknowledgement section
- `\thesis@`*locale*`@declarationTitle` – The title of the declaration section
- `\thesis@`*locale*`@idTitle` – The title of the thesis author's identifier field
- `\thesis@`*locale*`@spring` – The name of the spring semester

- `\thesis@`*locale*`@fall` – The name of the fall semester
- `\thesis@`*locale*`@semester` – The full name of the current semester
- `\thesis@`*locale*`@typeName` – The name of the thesis type

where *locale* is the name of the locale.

3.4.2 English locale files

3.4.2.1 The `locale/fithesis-english.def` file

This is the base file of the English locale.

```
\ProvidesFile{fithesis/locale/fithesis-english.def}[2016/05/25]
```

The locale file defines all the private macros mandated by the locale file interface.

```

% Placeholders
\gdef\thesis@english@universityName{University name}
\gdef\thesis@english@facultyName{Faculty name}
\gdef\thesis@english@assignment{%
  \ifthesis@digital@
    This is where a copy of the official signed thesis assignment
    is located in the printed version of the document.
  \else
    Replace this page with a copy of the official signed thesis
    assignment.
  \fi}
\gdef\thesis@english@declaration{Declaration text ...}

% Csquotes style
\gdef\thesis@english@csquotesStyle{english}

% Time strings
\gdef\thesis@english@spring{Spring}
\gdef\thesis@english@fall{Fall}
\gdef\thesis@english@semester{%
  \thesis@{english@\thesis@season} \thesis@seasonYear}

% Miscellaneous
\gdef\thesis@english@fieldTitle{Field of study}
\gdef\thesis@english@advisorTitle{Advisor}
\gdef\thesis@english@authorTitle{Author}
\gdef\thesis@english@abstractTitle{Abstract}
\gdef\thesis@english@keywordsTitle{Keywords}
\gdef\thesis@english@thanksTitle{Acknowledgement}
\gdef\thesis@english@declarationTitle{Declaration}
\gdef\thesis@english@idTitle{ID}
\gdef\thesis@english@typeName{%
  \ifx\thesis@type\thesis@sempaper
    Seminar Paper%
```

```
  \else\ifx\thesis@type\thesis@bachelors
    Bachelor's Thesis%
  \else\ifx\thesis@type\thesis@masters
    Master's Thesis%
  \else\ifx\thesis@type\thesis@doctoral
    Doctoral Thesis%
  \else\ifx\thesis@type\thesis@rigorous
    Rigorous Thesis%
  \else
    <<Unknown thesis type (\thesis@type)>>%
  \fi\fi\fi\fi\fi}
```

3.4.2.2 The `locale/mu/fithesis-english.def` file

This is the English locale file specific to the Masaryk University in Brno. It replaces the `universityName` placeholder with the correct value and defines the `declaration` and `idTitle` strings.

```
\ProvidesFile{fithesis/locale/mu/fithesis-english.def}[2016/03/22]
\gdef\thesis@english@universityName{Masaryk University}
\gdef\thesis@english@declaration{%
  Hereby I declare that this paper is my original authorial work,
  which I have worked out on my own. All sources, references, and
  literature used or excerpted during elaboration of this work are
  properly cited and listed in complete reference to the due source.}

% Bibliographic entry
\gdef\thesis@english@bib@title{Bibliographic record}
\gdef\thesis@english@bib@pages{p}

% Miscellaneous
\gdef\thesis@english@idTitle{UČO}
```

3.4.2.3 The `locale/mu/law/fithesis-english.def` file

This is the English locale file specific to the Faculty of Law at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and defines the `facultyLongName` required by the `\thesis@blocks@cover` and the `\thesis@blocks@titlePage` blocks.

```
\ProvidesFile{fithesis/locale/mu/law/fithesis-english.def}[2015/06/26]
\gdef\thesis@english@facultyName{Faculty of Law}
\gdef\thesis@english@facultyLongName{The Faculty of Law of the
  Masaryk University}
```

3.4.2.4 The `locale/mu/fsps/fithesis-english.def` file

This is the English locale file specific to the Faculty of Sports Studies at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and redefines the `fieldTitle` string in accordance with the common usage at the faculty.

```
\ProvidesFile{fithesis/locale/mu/fsps/fithesis-english.def}[2015/06/26]

% Placeholders
\gdef\thesis@english@facultyName{Faculty of Sports Studies}

% Miscellaneous
\gdef\thesis@english@fieldTitle{Specialization}
```

3.4.2.5 The `locale/mu/fss/fithesis-english.def` file

This is the English locale file specific to the Faculty of Social Studies at the Masaryk University in Brno. It replaces the `facultyName` and `assignment` strings with the correct values.

```
\ProvidesFile{fithesis/locale/mu/fss/fithesis-english.def}[2016/05/25]

% Placeholders
\gdef\thesis@english@facultyName{Faculty of Social Studies}
\gdef\thesis@english@assignment{%
  \ifthesis@digital@
    This is where a copy of the official signed thesis assignment
    or a copy of the Statement of an Author or both are located
    in the printed version of the document.
  \else
    Replace this page with a copy of the official signed thesis
    assignment or a copy of the Statement of an Author or both,
    depending on the requirements of the respective department.
  \fi}
```

3.4.2.6 The `locale/mu/econ/fithesis-english.def` file

This is the English locale file specific to the Faculty of Economics and Administration at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value.

```
\ProvidesFile{fithesis/locale/mu/econ/fithesis-english.def}[2015/06/26]
\gdef\thesis@english@facultyName{Faculty of Economics
  and Administration}
```

3.4.2.7 The `locale/mu/med/fithesis-english.def` file

This is the English locale file specific to the Faculty of Medicine at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and redefines the `abstractTitle` string with the common usage at the faculty. The file also defines the `bib@title` and `bib@pages` strings required by the `\thesis@blocks@bibEntry` block defined within the `style/mu/fithesis-med.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/med/fithesis-english.def}[2016/03/23]

% Miscellaneous
\gdef\thesis@english@abstractTitle{Annotation}
```

```
503
504 % Placeholders
505 \gdef\thesis@english@facultyName{Faculty of Medicine}
```

3.4.2.8 The `locale/mu/fi/fithesis-english.def` file

This is the English locale file specific to the Faculty of Informatics at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and redefines the string in accordance with the requirements of the faculty. The file also defines the `advisorSignature` string required by the `\thesis@blocks@titlePage` block defined within the `style/mu/fithesis-fi.sty` style file.

```
506 \ProvidesFile{fithesis/locale/mu/fi/fithesis-english.def}[2016/05/25]
507
508 % Placeholders
509 \gdef\thesis@english@facultyName{Faculty of Informatics}
510 \gdef\thesis@english@assignment{Replace this page with a copy
511   of the official signed thesis assignment and a copy of the
512   Statement of an Author.}
513 \gdef\thesis@english@assignment{%
514   \ifthesis@digital@
515     This is where a copy of the official signed thesis assignment
516     and a copy of the Statement of an Author is located in the
517     printed version of the document.
518   \else
519     Replace this page with a copy of the official signed thesis
520     assignment and a copy of the Statement of an Author.
521   \fi}
522
523 % Others
524 \gdef\thesis@english@advisorSignature{Signature of Thesis
525   \thesis@english@advisorTitle}
```

3.4.2.9 The `locale/mu/phil/fithesis-english.def` file

This is the English locale file specific to the Faculty of Arts at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value. It also defines the `departmentName` string, which is used by the `style/mu/fithesis-phil.sty` style file, when typesetting the names of known departments.

```
526 \ProvidesFile{fithesis/locale/mu/phil/fithesis-english.def}[2016/03/22]
527 \gdef\thesis@english@facultyName{Faculty of Arts}
528 \gdef\thesis@english@departmentName{%
529   \ifx\thesis@department\thesis@departments@kisk
530     Division of Information and Library Studies%
531   \else
532     <<Unknown department (\thesis@department)>>%
533   \fi}
```

3.4.2.10 The locale/mu/ped/fithesis-english.def file

This is the Slovak locale file specific to the Faculty of Education at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value. The file also defines the bib@title and bib@pages strings required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis-ped.sty style file.

```
\ProvidesFile{fithesis/locale/mu/ped/fithesis-english.def}[2016/03/22]

% Placeholders
\gdef\thesis@english@facultyName{Faculty of Education}
```

3.4.2.11 The locale/mu/sci/fithesis-english.def file

This is the English locale file specific to the Faculty of Science at the Masaryk University in Brno. It defines the private macros required by the \thesis@blocks@bibEntryEn block defined within the style/mu/fithesis-sci.sty style file. It also replaces the facultyName placeholder with the correct value and redefines the advisorTitle string in accordance with the formal requirements of the faculty.

```
\ProvidesFile{fithesis/locale/mu/sci/fithesis-english.def}[2016/03/23]

% Placeholders
\gdef\thesis@english@facultyName{Faculty of Science}

% Miscellaneous
\global\let\thesis@english@advisorTitleEn=\thesis@english@bib@advisor

% Bibliographic entry
\global\let\thesis@english@bib@author\thesis@english@authorTitle
\gdef\thesis@english@bib@thesisTitle{Title of Thesis}
\gdef\thesis@english@bib@programme{Degree Programme}
\global\let\thesis@english@bib@field\thesis@english@fieldTitle
\gdef\thesis@english@bib@advisor{Supervisor}
\gdef\thesis@english@bib@academicYear{Academic Year}
\gdef\thesis@english@bib@pages{Number of Pages}
\global\let\thesis@english@bib@keywords\thesis@english@keywordsTitle
```

3.4.3 Czech locale files

3.4.3.1 The locale/fithesis-czech.def file

This is the base file of the Czech locale.

```
\ProvidesFile{fithesis/locale/fithesis-czech.def}[2016/05/25]
```

The locale file defines all the private macros mandated by the locale file interface.

\thesis@czech@gender@koncovka

The locale file also defines the \thesis@czech@gender@koncovka macro, which expands to the correct verb ending based on the value of the \thesis@ifwoman macro and the

\thesis@czech@typeName@akuzativ

\thesis@czech@typeName@akuzativ containing the accusative case of the thesis type name.

```
% Pomocná makra
\gdef\thesis@czech@gender@koncovka{%
  \ifthesis@woman a\fi}

% Csquotes styl
\gdef\thesis@czech@csquotesStyle{german}

% Zástupné texty
\gdef\thesis@czech@universityName{Název univerzity}
\gdef\thesis@czech@facultyName{Název fakulty}
\gdef\thesis@czech@assignment{%
  \ifthesis@digital@
    Na tomto místě se v~tištěné práci nachází oficiální podepsané
    zadání práce.
  \else
    Místo tohoto listu vložte kopii oficiálního podepsaného zadání
    práce.
  \fi}
\gdef\thesis@czech@declaration{Text prohlášení ...}

% Časové údaje
\gdef\thesis@czech@spring{jaro}
\gdef\thesis@czech@fall{podzim}
\gdef\thesis@czech@semester{%
  \thesis@{czech@\thesis@season} \thesis@seasonYear}

% Různé
\gdef\thesis@czech@fieldTitle{Obor}
\gdef\thesis@czech@advisorTitle{Vedoucí práce}
\gdef\thesis@czech@authorTitle{Autor}
\gdef\thesis@czech@abstractTitle{Shrnutí}
\gdef\thesis@czech@keywordsTitle{Klíčová slova}
\gdef\thesis@czech@thanksTitle{Poděkování}
\gdef\thesis@czech@declarationTitle{Prohlášení}
\gdef\thesis@czech@idTitle{ID}
\gdef\thesis@czech@typeName{%
  \ifx\thesis@type\thesis@sempaper
    Seminární práce%
  \else\ifx\thesis@type\thesis@bachelors
    Bakalářská práce%
  \else\ifx\thesis@type\thesis@masters
    Diplomová práce%
  \else\ifx\thesis@type\thesis@doctoral
    Disertační práce%
  \else\ifx\thesis@type\thesis@rigorous
    Rigorózní práce%
```

```
  \else
    <<Neznámý typ práce (\thesis@type)>>%
  \fi\fi\fi\fi\fi}
\gdef\thesis@czech@typeName@akuzativ{%
  \ifx\thesis@type\thesis@sempaper
    Seminární práci%
  \else\ifx\thesis@type\thesis@bachelors
    Bakalářskou práci%
  \else\ifx\thesis@type\thesis@masters
    Diplomovou práci%
  \else\ifx\thesis@type\thesis@doctoral
    Disertační práci%
  \else\ifx\thesis@type\thesis@rigorous
    Rigorózní práci%
  \else
    <<Neznámý typ práce (\thesis@type)>>%
  \fi\fi\fi\fi\fi}
```

3.4.3.2 The `locale/mu/fithesis-czech.def` file

This is the Czech locale file specific to the Masaryk University in Brno. It replaces the `universityName` placeholder with the correct value and defines the `declaration` and `idTitle` strings.

```
\ProvidesFile{fithesis/locale/mu/fithesis-czech.def}[2016/03/22]

% Zástupné texty
\gdef\thesis@czech@universityName{Masarykova univerzita}
\gdef\thesis@czech@declaration{Prohlašuji, že jsem
  \thesis@lower{czech@typeName@akuzativ} zpracoval%
  \thesis@czech@gender@koncovka\ samostatně a
  použil\thesis@czech@gender@koncovka\ jen prameny
  uvedené~v seznamu literatury.}

% Bibliografický záznam
\gdef\thesis@czech@bib@title{Bibliografický záznam}
\gdef\thesis@czech@bib@pages{str}

% Různé
\gdef\thesis@czech@idTitle{UČO}
```

3.4.3.3 The `locale/mu/law/fithesis-czech.def` file

This is the Czech locale file specific to the Faculty of Law at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value, defines the `facultyLongName` required by the `\thesis@blocks@cover` and the `\thesis@blocks@titlePage` blocks and replaces the `abstractTitle` string in accordance with the requirements of the faculty.

```
\ProvidesFile{fithesis/locale/mu/law/fithesis-czech.def}[2015/06/26]

```

```
% Různé
\gdef\thesis@czech@abstractTitle{Abstrakt}

% Zástupné texty
\gdef\thesis@czech@facultyName{Právnická fakulta}
\gdef\thesis@czech@facultyLongName{Právnická fakulta Masarykovy
  univerzity}
```

3.4.3.4 The `locale/mu/fsps/fithesis-czech.def` file

This is the Czech locale file specific to the Faculty of Sports Studies at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and redefines the `fieldTitle` string in accordance with the common usage at the faculty.

```
\ProvidesFile{fithesis/locale/mu/fsps/fithesis-czech.def}[2015/06/26]

% Zástupné texty
\gdef\thesis@czech@facultyName{Fakulta sportovních studií}

% Různé
\gdef\thesis@czech@fieldTitle{Specializace}
```

3.4.3.5 The `locale/mu/fss/fithesis-czech.def` file

This is the Czech locale file specific to the Faculty of Social Studies at the Masaryk University in Brno. It replaces the `facultyName` and `assignment` placeholders with the correct values.

```
\ProvidesFile{fithesis/locale/mu/fss/fithesis-czech.def}[2016/05/25]

% Zástupné texty
\gdef\thesis@czech@facultyName{Fakulta sociálních studií}
\gdef\thesis@czech@assignment{%
  \ifthesis@digital@
    Na tomto místě se v~tištěné práci nachází oficiální podepsané
    zadání práce, prohlášení autora školního díla nebo obojí.
  \else
    Místo tohoto listu vložte kopie oficiálního podepsaného zadání
    práce nebo prohlášení autora školního díla nebo obojí~v
    závislosti na požadavcích příslušné katedry.
  \fi}

```

3.4.3.6 The `locale/mu/econ/fithesis-czech.def` file

This is the Czech locale file specific to the Faculty of Economics and Administration at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value.

```
\ProvidesFile{fithesis/locale/mu/econ/fithesis-czech.def}[2015/06/26]
\gdef\thesis@czech@facultyName{Ekonomicko-správní fakulta}
```

3.4.3.7 The `locale/mu/med/fithesis-czech.def` file

This is the Czech locale file specific to the Faculty of Medicine at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and redefines the `abstractTitle` string in accordance with the common usage at the faculty. The file also defines the `bib@title` and `bib@pages` strings required by the `\thesis@blocks@bibEntry` block defined within the `style/mu/fithesis-med.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/med/fithesis-czech.def}[2016/03/23]

% Různé
\gdef\thesis@czech@abstractTitle{Anotace}

% Zástupné texty
\gdef\thesis@czech@facultyName{Lékařská fakulta}
```

3.4.3.8 The `locale/mu/fi/fithesis-czech.def` file

This is the Czech locale file specific to the Faculty of Informatics at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and redefines the `declaration` string in accordance with the requirements of the faculty. The file also defines the `advisorSignature` string required by the `\thesis@blocks@titlePage` block defined within the `style/mu/fithesis-fi.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/fi/fithesis-czech.def}[2016/05/25]

% Zástupné texty
\gdef\thesis@czech@facultyName{Fakulta informatiky}
\gdef\thesis@czech@assignment{%
  \ifthesis@digital@
    Na tomto místě se v~tištěné práci nachází oficiální podepsané
    zadání práce a prohlášení autora školního díla.
  \else
    Místo tohoto listu vložte kopie oficiálního podepsaného zadání
    práce a prohlášení autora školního díla.
  \fi}
\gdef\thesis@czech@declaration{%
  Prohlašuji, že tato \thesis@lower{czech@typeName} je mým
  původním autorským dílem, které jsem vypracoval%
  \thesis@czech@gender@koncovka\ samostatně. Všechny zdroje,
  prameny a literaturu, které jsem při vypracování
  používal\thesis@czech@gender@koncovka\ nebo z~nich
  čerpal\thesis@czech@gender@koncovka, v~práci řádně cituji
  s~uvedením úplného odkazu na příslušný zdroj.}

% Ostatní
\gdef\thesis@czech@advisorSignature{Podpis vedoucího}
```

3.4.3.9 The `locale/mu/phil/fithesis-czech.def` file

This is the Czech locale file specific to the Faculty of Arts at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value. It also redefines the `declaration`, `typeName` and `typeName@akuzativ` strings in accordance with the requirements of the faculty.

The locale file also defines the `departmentName` string, which is used by the `style/mu/fithesis-phil.sty` style file, when typesetting the names of known departments.

```
\ProvidesFile{fithesis/locale/mu/phil/fithesis-czech.def}[2016/03/22]

% Zástupné texty
\gdef\thesis@czech@facultyName{Filozofická fakulta}
\gdef\thesis@czech@departmentName{%
  \ifx\thesis@department\thesis@departments@kisk
    Kabinet informačních studií a knihovnictví%
  \else
    <<Neznámé oddělení (\thesis@department)>>%
  \fi}
\gdef\thesis@czech@declaration{%
  \ifx\thesis@department\thesis@departments@kisk
    Prohlašuji, že jsem předkládanou práci zpracoval%
    \thesis@czech@gender@koncovka\ samostatně~a použil%
    \thesis@czech@gender@koncovka\ jen uvedené prameny~a
    literaturu. Současně dávám svolení k tomu, aby elektronická
    verze této práce byla zpřístupněna přes informační systém
    Masarykovy univerzity.%
  \else
    Prohlašuji, že jsem \thesis@lower{czech@typeName@akuzativ}
    vypracoval\thesis@czech@gender@koncovka\ samostatně~s využitím
    uvedené literatury.%
  \fi}

% Ostatní
\global\let\thesis@czech@typeName@super
  \thesis@czech@typeName
\gdef\thesis@czech@typeName{%
  \ifx\thesis@type\thesis@bachelors
    Bakalářská diplomová práce%
  \else\ifx\thesis@type\thesis@masters
    Magisterská diplomová práce%
  \else
    \thesis@czech@typeName@super
  \fi\fi}

\global\let\thesis@czech@typeName@akuzativ@super
  \thesis@czech@typeName@akuzativ
\gdef\thesis@czech@typeName@akuzativ{%
  \ifx\thesis@type\thesis@bachelors
```

```
    Diplomovou práci%
  \else\ifx\thesis@type\thesis@masters
    Diplomovou práci%
  \else
    \thesis@czech@typeName@akuzativ@super
  \fi\fi}
```

3.4.3.10 The `locale/mu/ped/fithesis-czech.def` file

This is the Czech locale file specific to the Faculty of Education at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value. The file also defines the `bib@title` and `bib@pages` strings required by the `\thesis@blocks@bibEntry` block defined within the `style/mu/fithesis-ped.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/ped/fithesis-czech.def}[2016/03/22]

% Zástupné texty
\gdef\thesis@czech@facultyName{Pedagogická fakulta}
```

3.4.3.11 The `locale/mu/sci/fithesis-czech.def` file

This is the Czech locale file specific to the Faculty of Science at the Masaryk University in Brno. It defines the private macros required by the `\thesis@blocks@bibEntry` block defined within the `style/mu/fithesis-sci.sty` style file. It also replaces the `facultyName` placeholder with the correct value and redefines the `abstractTitle` and `declaration` strings in accordance with the formal requirements of the faculty.

```
\ProvidesFile{fithesis/locale/mu/sci/fithesis-czech.def}[2016/03/23]

% Zástupné texty
\gdef\thesis@czech@facultyName{Přírodovědecká fakulta}

% Ostatní
\gdef\thesis@czech@abstractTitle{Abstrakt}
\gdef\thesis@czech@declaration{%
  Prohlašuji, že jsem svoji \thesis@lower{czech@typeName@%
  akuzativ} vypracoval\thesis@czech@gender@koncovka\ samo%
  statně s~využitím informačních zdrojů, které jsou v~práci
  citovány.}
\gdef\thesis@czech@authorSignature{Podpis autora}

% Časové údaje
\gdef\thesis@czech@formattedDate{{%
  \thesis@day.
  \newcount\@month\expandafter\@month\thesis@month\relax
  \ifnum\@month=1%
    ledna
  \else\ifnum\@month=2%
    února
```

```
  \else\ifnum\@month=3%
    března
  \else\ifnum\@month=4%
    dubna
  \else\ifnum\@month=5%
    května
  \else\ifnum\@month=6%
    června
  \else\ifnum\@month=7%
    července
  \else\ifnum\@month=8%
    srpna
  \else\ifnum\@month=9%
    září
  \else\ifnum\@month=10%
    října
  \else\ifnum\@month=11%
    listopadu
  \else\ifnum\@month=12%
    prosince
  \else
    <<neznámý měsíc (\the\@month)>>
  \fi\fi\fi\fi\fi\fi
  \fi\fi\fi\fi\fi\fi
  \thesis@year}}

% Bibliografický záznam
\global\let\thesis@czech@bib@author\thesis@czech@authorTitle
\gdef\thesis@czech@bib@thesisTitle{Název práce}
\gdef\thesis@czech@bib@programme{Studijní program}
\global\let\thesis@czech@bib@field\thesis@czech@fieldTitle
\global\let\thesis@czech@bib@advisor\thesis@czech@advisorTitle
\gdef\thesis@czech@bib@academicYear{Akademický rok}
\gdef\thesis@czech@bib@pages{Počet stran}
\global\let\thesis@czech@bib@keywords\thesis@czech@keywordsTitle
```

3.4.4 Slovak locale files

3.4.4.1 The `locale/fithesis-slovak.def` file

This is the base file of the Slovak locale.

```
\ProvidesFile{fithesis/locale/fithesis-slovak.def}[2016/05/25]
```

The locale file defines all the private macros mandated by the locale file interface.

`\thesis@slovak@gender@koncovka` The locale file also defines the `\thesis@slovak@gender@koncovka` macro, which expands to the correct verb ending based on the value of the `\thesis@ifwoman` macro and the

`\thesis@slovak@typeName@akuzativ` `\thesis@slovak@typeName@akuzativ` containing the accusative case of the thesis type name.

```
% Pomocná makrá
\gdef\thesis@slovak@gender@koncovka{%
  \ifthesis@woman a\fi}

% Csquotes štýl
\gdef\thesis@slovak@csquotesStyle{german}

% Zástupné texty
\gdef\thesis@slovak@universityName{Názov univerzity}
\gdef\thesis@slovak@facultyName{Názov fakulty}
\gdef\thesis@slovak@assignment{%
  \ifthesis@digital@
    Na tomto mieste sa v~tlačenej práci nachádza oficiálne
    podpísané zadanie práce.
  \else
    Namiesto tejto stránky vložte kópiu oficiálneho podpísaného
    zadania práce.
  \fi}
\gdef\thesis@slovak@declaration{Text prehlásenie ...}

% Časové údaje
\gdef\thesis@slovak@spring{jar}
\gdef\thesis@slovak@fall{jeseň}
\gdef\thesis@slovak@semester{%
  \thesis@{slovak@\thesis@season} \thesis@seasonYear}

% Rôzne
\gdef\thesis@slovak@fieldTitle{Odbor}
\gdef\thesis@slovak@advisorTitle{Vedúci práce}
\gdef\thesis@slovak@authorTitle{Autor}
\gdef\thesis@slovak@abstractTitle{Zhrnutie}
\gdef\thesis@slovak@keywordsTitle{Kľúčové slová}
\gdef\thesis@slovak@thanksTitle{Poďakovanie}
\gdef\thesis@slovak@declarationTitle{Prehlásenie}
\gdef\thesis@slovak@idTitle{ID}
\gdef\thesis@slovak@typeName{%
  \ifx\thesis@type\thesis@sempaper
    Seminárna práca%
  \else\ifx\thesis@type\thesis@bachelors
    Bakalárska práca%
  \else\ifx\thesis@type\thesis@masters
    Diplomová práca%
  \else\ifx\thesis@type\thesis@doctoral
    Dizertačná práca%
  \else\ifx\thesis@type\thesis@rigorous
    Rigorózna práca%
  \else
    <<Neznámy typ práce (\thesis@type)>>%
  \fi\fi\fi\fi\fi}
```

```
\gdef\thesis@slovak@typeName@akuzativ{%
  \ifx\thesis@type\thesis@sempaper
    Seminárnu prácu%
  \else\ifx\thesis@type\thesis@bachelors
    Bakalársku prácu%
  \else\ifx\thesis@type\thesis@masters
    Diplomovú prácu%
  \else\ifx\thesis@type\thesis@doctoral
    Dizertačnú prácu%
  \else\ifx\thesis@type\thesis@rigorous
    Rigoróznu prácu%
  \else
    <<Neznámy typ práce (\thesis@type)>>%
  \fi\fi\fi\fi\fi}
```

3.4.4.2 The `locale/mu/fithesis-slovak.def` file

This is the Slovak locale file specific to the Masaryk University in Brno. It replaces the `universityName` placeholder with the correct value and defines the `declaration` and `idTitle` strings.

```
\ProvidesFile{fithesis/locale/mu/fithesis-slovak.def}[2016/03/22]

% Zástupné texty
\gdef\thesis@slovak@universityName{Masarykova univerzita}
\gdef\thesis@slovak@declaration{%
  Prehlasujem, že som predloženú \thesis@lower{%
  slovak@typeName@akuzativ} vypracoval%
  \thesis@slovak@gender@koncovka\ samostatne len s~použitím
  uvedenej literatúry a prameňov.}

% Bibliografický zoznam
\gdef\thesis@slovak@bib@title{Bibliografický záznam}
\gdef\thesis@slovak@bib@pages{str}

% Rôzne
\gdef\thesis@slovak@idTitle{UČO}
```

3.4.4.3 The `locale/mu/law/fithesis-slovak.def` file

This is the Slovak locale file specific to the Faculty of Law at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value, defines the `facultyLongName` required by the `\thesis@blocks@cover` and the `\thesis@blocks@titlePage` blocks and replaces the `abstractTitle` string in accordance with the requirements of the faculty.

```
\ProvidesFile{fithesis/locale/mu/law/fithesis-slovak.def}[2015/06/26]

% Rôzne
\gdef\thesis@slovak@abstractTitle{Abstrakt}

```

```
% Zástupné texty
\gdef\thesis@slovak@facultyName{Právnická fakulta}
\gdef\thesis@slovak@facultyLongName{Právnická fakulta Masarykovej
  univerzity}
```

3.4.4.4 The `locale/mu/fsps/fithesis-slovak.def` file

This is the Slovak locale file specific to the Faculty of Sports Studies at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and redefines the `fieldTitle` string in accordance with the common usage at the faculty.

```
\ProvidesFile{fithesis/locale/mu/fsps/fithesis-slovak.def}[2015/06/26]

% Zástupné texty
\gdef\thesis@slovak@facultyName{Fakulta športových štúdií}

% Rôzne
\gdef\thesis@slovak@fieldTitle{Špecializácie}
```

3.4.4.5 The `locale/mu/fss/fithesis-slovak.def` file

This is the Slovak locale file specific to the Faculty of Social Studies at the Masaryk University in Brno. It replaces the `facultyName` and `assignment` strings with the correct values.

```
\ProvidesFile{fithesis/locale/mu/fss/fithesis-slovak.def}[2016/05/25]

% Zástupné texty
\gdef\thesis@slovak@facultyName{Fakulta sociálnych štúdií}
\gdef\thesis@slovak@assignment{%
  \ifthesis@digital@
    Na tomto mieste sa v~tlačenej práci nachádza oficiálne
    podpísané zadanie práce alebo prehlásenie autora školského
    diela alebo obidve.
  \else
    Namiesto tejto stránky vložte kópiu oficiálneho podpísaného
    zadania práce alebo prehlásenie autora školského diela alebo
    obidve~v závislosti na požiadavkách príslušnej katedry.
  \fi}
```

3.4.4.6 The `locale/mu/econ/fithesis-slovak.def` file

This is the Slovak locale file specific to the Faculty of Economics and Administration at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value.

```
\ProvidesFile{fithesis/locale/mu/econ/fithesis-slovak.def}[2015/06/26]
\gdef\thesis@slovak@facultyName{Ekonomicko-správna fakulta}
```

3.4.4.7 The `locale/mu/med/fithesis-slovak.def` file

This is the Slovak locale file specific to the Faculty of Medicine at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and redefines the `abstractTitle` string in accordance with the common usage at the faculty. The file also defines the `bib@title` and `bib@pages` strings required by the `\thesis@blocks@bibEntry` block defined within the `style/mu/fithesis-med.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/med/fithesis-slovak.def}[2016/03/23]

% Rôzne
\gdef\thesis@slovak@abstractTitle{Anotácie}

% Zástupné texty
\gdef\thesis@slovak@facultyName{Lekárska fakulta}
```

3.4.4.8 The `locale/mu/fi/fithesis-slovak.def` file

This is the Slovak locale file specific to the Faculty of Informatics at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value and redefines the `declaration` string in accordance with the requirements of the faculty. The file also defines the `advisorSignature` string required by the `\thesis@blocks@titlePage` block defined within the `style/mu/fithesis-fi.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/fi/fithesis-slovak.def}[2016/05/25]

% Zástupné texty
\gdef\thesis@slovak@facultyName{Fakulta informatiky}
\gdef\thesis@slovak@assignment{%
  \ifthesis@digital@
    Na tomto mieste sa v~tlačenej práci nachádza oficiálne
    podpísané zadanie práce a prehlásenie autora školského diela.
  \else
    Namiesto tejto stránky vložte kópiu oficiálneho podpísaného
    zadania práce a prehlásenie autora školského diela.
  \fi}
\gdef\thesis@slovak@declaration{%
  Prehlasujem, že táto \thesis@lower{slovak@typeName} je mojím
  pôvodným autorským dielom, ktoré som vypracoval%
  \thesis@slovak@gender@koncovka\ samostatne. Všetky zdroje,
  pramene a literatúru, ktoré som pri vypracovaní
  používal\thesis@slovak@gender@koncovka\ alebo z~nich
  čerpal\thesis@slovak@gender@koncovka, v~práci riadne citujem
  s~uvedením úplného odkazu na príslušný zdroj.}

% Rôzne
\gdef\thesis@slovak@advisorSignature{Podpis vedúceho}
```

3.4.4.9 The `locale/mu/phil/fithesis-slovak.def` file

This is the Slovak locale file specific to the Faculty of Arts at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value. It also defines the `declaration` string and redefines the `typeName` and `typeName@akuzativ` strings in accordance with the requirements of the faculty.

The locale file also defines the `departmentName` string, which is used by the `style/mu/fithesis-phil.sty` style file, when typesetting the names of known departments.

```
\ProvidesFile{fithesis/locale/mu/phil/fithesis-slovak.def}[2016/03/22]

% Zástupné texty
\gdef\thesis@slovak@facultyName{Filozofická fakulta}
\gdef\thesis@slovak@departmentName{%
  \ifx\thesis@department\thesis@departments@kisk
    Kabinet informačných štúdií a knihovníctva%
  \else
    <<Neznáme oddělenie (\thesis@department)>>%
  \fi}
\gdef\thesis@czech@declaration{%
  \ifx\thesis@department\thesis@departments@kisk
    Prehlasujem, že som predkladanú prácu spracoval%
    \thesis@slovak@gender@koncovka\ samostatne~a použil%
    \thesis@slovak@gender@koncovka\ len uvedené pramene~a
    literatúru. Súčasne dávam súhlas k tomu, aby elektronická
    verzia tejto práce bola sprístupnená cez informačný
    systém Masarykovej univerzity.%
  \else
    Prehlasujem, že som predloženú \thesis@lower{%
    slovak@typeName@akuzativ} vypracoval%
    \thesis@slovak@gender@koncovka\ samostatne na základe vlastných
    zistení a len s~použitím uvedenej literatúry a prameňov.%
  \fi}

% Rôzne
\global\let\thesis@slovak@typeName@super
  \thesis@slovak@typeName
\gdef\thesis@slovak@typeName{%
  \ifx\thesis@type\thesis@bachelors
    Bakalárska diplomová práca%
  \else\ifx\thesis@type\thesis@masters
    Magisterská diplomová práca%
  \else
    \thesis@slovak@typeName@super
  \fi\fi}

\global\let\thesis@slovak@typeName@akuzativ@super
  \thesis@slovak@typeName@akuzativ
\gdef\thesis@slovak@typeName@akuzativ{%
```

```
\ifx\thesis@type\thesis@bachelors
  Diplomovú prácu%
\else\ifx\thesis@type\thesis@masters
  Diplomovú prácu%
\else
  \thesis@slovak@typeName@akuzativ@super
\fi\fi}
```

3.4.4.10 The `locale/mu/ped/fithesis-slovak.def` file

This is the Slovak locale file specific to the Faculty of Education at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value. The file also defines the `bib@title` and `bib@pages` strings required by the `\thesis@blocks@bibEntry` block defined within the `style/mu/fithesis-ped.sty` style file.

```
\ProvidesFile{fithesis/locale/mu/ped/fithesis-slovak.def}[2016/03/22]

% Zástupné texty
\gdef\thesis@slovak@facultyName{Pedagogická fakulta}
```

3.4.4.11 The `locale/mu/sci/fithesis-slovak.def` file

This is the Slovak locale file specific to the Faculty of Science at the Masaryk University in Brno. It replaces the `facultyName` placeholder with the correct value.

```
\ProvidesFile{fithesis/locale/mu/sci/fithesis-slovak.def}[2015/06/26]

% Zástupné texty
\gdef\thesis@slovak@facultyName{Prírodovedecká fakulta}
```

3.5 Style files

Style files define the structure and the look of the resulting document. They live in the `style/` subtree and they are loaded during the main routine (see Section 2.4).

When creating a new style file, it is advisable to create one self-contained `dtx` file, which can contain several files to be extracted 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`

3.5.1 Interface

The union of style files loaded via the style file inheritance scheme (see the definition of the `\thesis@requireStyle` macro in Section 3.1) should globally define at least one of the following macros:

`\thesis@blocks@preamble`

- `\thesis@blocks@preamble` – If autolayout is enabled, then this macro is expanded at the very beginning of the document.

\thesis@blocks@postamble

- \thesis@blocks@postamble – If autolayout is enabled, then this macro is expanded at the very end of the document.

\thesis@blocks@mainMatter

- \thesis@blocks@mainMatter – If autolayout is enabled, then this macro is expanded at the beginning of the document right after \thesis@blocks@preamble. This macro sets the style of the main matter of the thesis.

3.5.2 Base style files

3.5.2.1 The style/fithesis-base.sty file

If inheritance is enabled for style files, then this file is always the first style file to be loaded, regardless of the value of the \thesis@style macro. This style file is currently a dummy file.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/fithesis-base}[2015/06/23]
```

3.5.2.2 The style/mu/fithesis-base.sty file

This is the base style file for theses written at the Masaryk University in Brno. When inheritance is enabled for style files, this file is always the second style file to be loaded right after style/fithesis-base.sty, regardless of the value of the \thesis@style macro.

```
\ProvidesPackage{fithesis/style/mu/fithesis-base}[2016/05/25]
\NeedsTeXFormat{LaTeX2e}
```

The file recognizes the following options:

- 10pt, 11pt, 12pt – Sets the type size to 10, 11 or 12 points respectively.

```
    \DeclareOption{10pt}{\def\thesis@ptsize{0}}
    \DeclareOption{11pt}{\def\thesis@ptsize{1}}
    \DeclareOption{12pt}{\def\thesis@ptsize{2}}
```

- oneside, twoside – The document is going to be either single- or double-sided, respectively. In a double-sided document, headers, page numbering, margin notes and several other elements will be arranged based on the parity of the page. Blank pages will also be inserted prior the beginning of each chapter to ensure that it starts on a right-hand (odd-numbered) page. The \ifthesis@twoside@ conditional is set to either false or true, respectively.

\ifthesis@twoside@

```
    \newif\ifthesis@twoside@
    \DeclareOption{oneside}{%
      \thesis@twoside@false\@twosidefalse\@mparswitchfalse}
    \DeclareOption{twoside}{%
      \thesis@twoside@true \@twosidetrue \@mparswitchtrue}
```

- onecolumn, twocolumn – The document is going to be set in either a single column or in two columns, respectively.

```
    \DeclareOption{onecolumn}{\@twocolumnfalse}
    \DeclareOption{twocolumn}{\@twocolumntrue}
```

- `draft`, `final` – Overful lines either are or aren't marked within the document, respectively, and graphics either aren't or are inserted into the document, respectively.

```
\DeclareOption{draft}{\setlength\overfullrule{5pt}}
\DeclareOption{final}{\setlength\overfullrule{0pt}}
```

- `palatino`, `nopalatino` – The roman text font family and the math font family is going to be either set to Palatino or left untouched, respectively. The `\ifthesis@palatino@` conditional is set to either `true` or `false`, respectively. The Palatino font is a part of the visual identity of the Faculty of Informatics at which the document class was created.

```
\newif\ifthesis@palatino@
\DeclareOption{palatino}{\thesis@palatino@true}
\DeclareOption{nopalatino}{\thesis@palatino@false}
```

- `color`, `monochrome` – Certain typographical elements either are or aren't going to be typeset in color, respectively. The `\ifthesis@color@` conditional is set to either `true` or `false`, respectively.

```
\newif\ifthesis@color@
\DeclareOption{monochrome}{\thesis@color@false}
\DeclareOption{color}{\thesis@color@true}
```

- `microtype`, `nomicrotype` – The microtypographic extension of modern TEX engines – such as pdfTEX, XETEX, or LuaTEX – is or isn't going to be enabled, respectively. The `\ifthesis@microtype@` conditional is set to either `true` or `false`, respectively.

```
\newif\ifthesis@microtype@
\DeclareOption{microtype}{\thesis@microtype@true}
\DeclareOption{nomicrotype}{\thesis@microtype@false}
```

- `table`, `oldtable` – If the `\ifthesis@color@` conditional is `true`, then the definitions of the `tabular`, `tabularx`, and `tabu` commands either are or aren't going to be altered to better match the style, respectively. The `\ifthesis@newtable@` conditional is set to either `true` or `false`, respectively.

```
\newif\ifthesis@newtable@
\DeclareOption{table}{\thesis@newtable@true}
\DeclareOption{oldtable}{\thesis@newtable@false}
```

The choice of the option name is deliberate – the redefinition of the table environments depends on the `xcolor` package, which needs to be loaded with the `table` option. Since so many other packages depend on the `xcolor` package and this style file is loaded at the very end of the preamble, there would either be a great chance of an option clash, or the option would have to be passed to the `xcolor` package before the preamble from the body of the `fithesis3` class thus breaking the encapsulation. Naming the option `table` forces the option to be processed by the `xcolor` package as well and it is therefore an elegant solution to the problem at hand.

\thesis@blocks@lot
\thesis@blocks@tables

- `lot`, `nolot` – The `\thesis@blocks@lot` macro will be defined as either `\listoftables` or `\relax`, respectively. As a side effect, the `\listoftables` either is or isn't going to be included in the `\thesis@blocks@tables` block, respectively.

```
    \DeclareOption{nolot}{\let\thesis@blocks@lot\relax}
    \DeclareOption{lot}{\let\thesis@blocks@lot\listoftables}
```

\thesis@blocks@lof
\thesis@blocks@tables

- `lot`, `nolot` – The `\thesis@blocks@lof` macro will be defined as either `\listoffigures` or `\relax`, respectively. As a side effect, the `\listoffigures` either is or isn't going to be included in the `\thesis@blocks@tables` block, respectively.

```
    \DeclareOption{nolof}{\let\thesis@blocks@lof\relax}
    \DeclareOption{lof}{\let\thesis@blocks@lof\listoffigures}
```

\thesis@blocks@cover
\ifthesis@cover@

- `cover`, `nocover` – The `\thesis@blocks@cover` either is going to expand to either the thesis cover or produces no output, respectively. The `\ifthesis@cover@` conditional is set to `false` or `true`, respectively.

```
    \newif\ifthesis@cover@
    \DeclareOption{nocover}{\thesis@cover@false}
    \DeclareOption{cover}{\thesis@cover@true}
```

\ifthesis@digital@

- `digital`, `printed` – These macrooptions set the options that are appropriate for either the printed or for the digital version of the document, respectively. The `\ifthesis@digital@` conditional is set to `true` or `false`, respectively.

```
    \newif\ifthesis@digital@
    \DeclareOption{digital}{%
      \ExecuteOptions{color,cover}%
      \thesis@digital@true}
    \DeclareOption{printed}{%
      \ExecuteOptions{monochrome,nocover}%
      \thesis@digital@false}
```

These are the default options:

```
\ExecuteOptions{%
  printed,12pt,twoside,final,microtype,palatino,oldtable,lot,lof}
\ProcessOptions*
```

The file uses English locale strings within the macros.

```
\thesis@requireLocale{english}
```

The file loads the following packages:

- xcolor – Adds support for color manipulation.
- ifxetex – Used to detect the XeTeX engine.
- ifluatex – Used to detect the LuaTeX engine.
- graphix – Adds support for the inclusion of graphics files.

- pdfpages – Adds support for the injection of PDF documents into the resulting document, namely the thesis assignment.
- hyperref – Adds support for the injection of metadata into the resulting PDF document.
- keyval – Adds support for parsing comma-delimited lists of key-value pairs.

```
\thesis@require{xcolor}
\thesis@require{graphicx}
\thesis@require{pdfpages}
\thesis@require{keyval}
\thesis@require{ifxetex}
\thesis@require{ifluatex}
```

If the `\thesis@microtype@` is set to true, then the microtype package gets loaded.

```
\ifthesis@microtype@
  \thesis@require[final,babel]{microtype}
\fi
```

`\ifthesis@xeluatex` Using the `\ifxetex` and `\ifluatex` conditionals, a compound `\ifthesis@xeluatex` conditional was constructed. This conditional can be used by subsequently loaded style files to test, whether either the XeTeX or the LuaTeX engine is being used.

```
{\let\x\expandafter
\x\global\x\let\x\ifthesis@xeluatex\csname if%
  \ifxetex true\else
    \ifluatex\x\x\x t\x\x\x r\x\x\x u\x\x\x e%
    \else   f\x\x\x a\x\x\x l\x\x\x s\x\x\x e%
    \fi
  \fi\endcsname}
```

The following packages get only loaded, when the document is being typeset using the XeTeX or LuaTeX engine:

- fontspec – Allows the selection of system-installed fonts.
- unicode-math – Allows the selection of system-installed mathematical fonts.

Under XeTeX or LuaTeX, the TeX Gyre Pagella and TeX Gyre Pagella Math are also selected as the main text and math fonts.

```
\ifthesis@xeluatex
  \ifthesis@palatino@
    \thesis@require{fontspec}
    \thesis@require{unicode-math}
    \setmainfont[Ligatures=TeX]{TeX Gyre Pagella}
    \setmathfont[math-style=ISO,bold-style=ISO,vargreek-shape=TeX]%
      {texgyrepagella-math.otf}
  \fi
```

The following packages get only loaded, when the document is not being typeset using the XeTeX or LuaTeX engine and the `\ifthesis@palatino@` conditional is true:

- cmap – Places an explicit ToUnicode map in the resulting PDF file, allowing for the extraction of the text from the document.
- mathpazo – Changes the default math font family to mathpazo.
- tgpagella – Changes the default roman font family to TEX Gyre Pagella.
- lmodern – Changes the default sans-serif and monotype font faces to Latin Modern instead of the default Computer Modern font family.
- fontenc – The font encoding is set to Cork.

```
\else
  \ifthesis@palatino@
    \RequirePackage[resetfonts]{cmap}
    \thesis@require{lmodern}
    \thesis@require{mathpazo}
    \thesis@require{tgpagella}
    \RequirePackage[T1]{fontenc}
  \fi
\fi
```

If the \thesis@newtable@ conditional is true, then some of the dimensions associated with tables are modified in preparation for the coloring of the table cells. The following packages are also loaded:

- tabularx – Provides the tabularx environment, which enables the typesetting of tables with flexible-width columns.
- tabu – Provides the tabu environment, which enables the typesetting of complex tables.
- booktabs – A package, which allows the creation of publication-quality tables in LATEX.

```
\let\thesis@newtable@old\tabular
\let\endthesis@newtable@old\endtabular
\ifthesis@newtable@
  % Load the packages.
  \thesis@require{tabularx}
  \thesis@require{tabu}
  \thesis@require{booktabs}
  % Adjust the measurements.
  \setlength{\aboverulesep}{0pt}
  \setlength{\belowrulesep}{0pt}
  \setlength{\extrarowheight}{.75ex}
```

When both the \thesis@newtable@ and \thesis@color@ conditionals are true, then the tabular and tabularx environments are redefined to better match the style of the given faculty.

\thesis@newtable@old
\endthesis@newtable@old

The \thesis@newtable@old and \endthesis@newtable@old macros containing the original definition of the tabular environment are always defined and are

available for subsequently loaded styles in case the typesetting of unaltered tables is required. Similarly, the `\thesis@newtable@oldx` and `\endthesis@newtable@oldx` macros are defined for the `tabularx` environment and the `\thesis@newtable@oldtabu` and `\endthesis@newtable@oldtabu` for the `tabu` environment.

\thesis@newtable@oldx
\endthesis@newtable@oldx
\thesis@newtable@oldtabu
\endthesis@newtable@oldtabu

```
\ifthesis@color@
  % The redefinition of ‘tabular‘
  \renewenvironment{tabular}%
    {\rowcolors{1}{thesis@color@tableOdd}%
                  {thesis@color@tableEven}%
     \thesis@newtable@old}%
    {\endthesis@newtable@old}
  % The redefinition of ‘tabularx‘
  \let\thesis@newtable@oldx\tabularx
  \let\endthesis@newtable@oldx\endtabularx
  \renewenvironment{tabularx}%
    {\rowcolors{1}{thesis@color@tableEven}%
                  {thesis@color@tableOdd}%
     \thesis@newtable@oldx}%
    {\endthesis@newtable@oldx}
  % The redefinition of ‘tabu‘
  \let\thesis@newtable@oldtabu\tabu
  \let\endthesis@newtable@oldtabu\endtabu
  \renewenvironment{tabu}%
    {\rowcolors{1}{thesis@color@tableEven}%
                  {thesis@color@tableOdd}%
     \thesis@newtable@oldtabu}%
    {\endthesis@newtable@oldtabu}
\fi
\fi
```

\ifthesis@bibliography@

A new conditional, `\ifthesis@bibliography@`, is defined. This conditional is true, when `\thesis@bibFiles` expands to a non-empty token list.

```
\newif\ifthesis@bibliography@
\thesis@bibliography@false
\ifx\thesis@bibFiles\undefined\else
  {\edef\@bibList{\thesis@bibFiles}%
  \ifx\@bibList\empty\else
    \global\thesis@bibliography@true
  \fi}
\fi
```

\thesis@bibliography@setup

The file defines the `\thesis@bibliography@setup{`⟨*options*⟩`}` command, where *options* is a comma-delimited list of key-value pairs as defined by the `keyval` package. The command can be invoked by the subsequently loaded style files to define the bibliography options.

```
\def\thesis@bibliography@setup#1{%
  \setkeys{thesis@bibliography}{#1}}
```

The following key-value pairs are supported:

\thesis@bibliography@style

\thesis@bibliography@sorting

1. {⟨style=*style*⟩} – Stores style in \thesis@bibliography@style, unless it has already been defined (presumably by the user).
2. {⟨sorting=*mode*⟩} – Stores mode in \thesis@bibliography@sorting, unless it has already been defined (presumably by the user).

```
\define@key{thesis@bibliography}{style}{%
  \ifx\thesis@bibliography@style\undefined
    \def\thesis@bibliography@style{#1}%
  \fi}
\define@key{thesis@bibliography}{sorting}{%
  \ifx\thesis@bibliography@sorting\undefined
    \def\thesis@bibliography@sorting{#1}%
  \fi}
```

\thesis@bibliography@load

\thesis@bibliography@loaded

When \ifthesis@bibliography@ is true and \ifthesis@bibliography@loaded@ is false, the \thesis@bibliography@load macro loads the csquotes and BibLaTeX packages with the bibliography databases specified in \thesis@bibFiles. The macro also sets the \ifthesis@bibliography@loaded@ conditional to true.

```
\newif\ifthesis@bibliography@loaded@
  \thesis@bibliography@loaded@false
\newif\ifthesis@bibliography@included@
  \thesis@bibliography@included@false
\def\thesis@bibliography@load{%
  \ifthesis@bibliography@
    \ifthesis@bibliography@loaded@\else
      \thesis@bibliography@loaded@true
      % Load csquotes and BibLaTeX.
      \thesis@require{csquotes}
```

If \thesis@bibliography@style is undefined, the bibliography and citation styles default to iso-numeric. If \thesis@bibliography@sorting is undefined, the sorting scheme defaults to none.

```
      \thesis@bibliography@setup{
        style = iso-numeric,
        sorting = none}
      \thesis@require[
        backend=biber,
        style=\thesis@bibliography@style,
        sorting=\thesis@bibliography@sorting,
        autolang=other,
        sortlocale=auto]{biblatex}
      % Load the bibliography databases.
      {\edef\@bibList{\thesis@bibFiles}%
      \def\@inject##1,{%
        \def\@args{##1}\def\@relax{\relax}%
        \ifx\@args\@relax\else
          % Trim leading spaces.
          \edef\@trimmed{\romannumeral-‘\.##1}%
          \addbibresource\@trimmed
```

```
1163          \expandafter\@inject\fi}%
1164      \expandafter\@inject\@bibList,\relax,}%
```

\ifthesis@bibliography@included@ The \ifthesis@bibliography@included@ conditional is true, when the user has manually included a bibliography into their document. The default value of the conditional is false and \printbibliography is patched to set the conditional to true on expansion. This enables the user to place the bibliography manually without it appearing in the autolayout. The original macro is stored in the

\thesis@printbibliography@old \thesis@printbibliography@old macro.

```
1165      \let\thesis@printbibliography@old\printbibliography
1166      \def\printbibliography{%
1167        \global\thesis@bibliography@included@true
1168        \thesis@printbibliography@old}
1169    \fi
1170  \fi}
```

The hyperref package is configured to support both roman and arabic page numbering in one document and to decorate hyperlinks with an underline instead of a rectangular box.

```
1171 \thesis@require{hyperref}
1172 \hypersetup{pdfborderstyle={/S/U/W 1}} % Less obtrusive borders
```

Clubs and widows are set to be infinitely bad.

```
1173 \widowpenalty 10000
1174 \clubpenalty  10000
```

\thesis@color@setup The file defines the \thesis@color@setup{⟨*colors*⟩} command, where *colors* is a comma-delimited list of key-value pairs as defined by the keyval package. The command can be invoked either by the subsequently loaded style files or by the user to define which colors will be used, when the color option is specified.

```
1175 \def\thesis@color@setup#1{%
1176   \setkeys{thesis@color}{#1}}
```

The following key-value pairs are supported:

1. {⟨links=*color*⟩} – Sets the color of hyperref links to *color* and stores it under the name thesis@color@links. The default color of links is specified by the hyperref package.
2. {⟨tableOdd=*color*⟩} – Stores the color of the odd rows of the redefined tabular and tabularx environments under the name thesis@color@tableOdd.
3. {⟨tableEven=*color*⟩} – Stores the color of the even rows of the redefined tabular and tabularx environments under the name thesis@color@tableEven.
4. {⟨tableEmph=*color*⟩} – Stores the color of an emphasized cell in a table user under the name thesis@color@tableEmph. This color is meant to be used manually by the user.

```
\define@key{thesis@color}{links}{%
  \definecolor{thesis@color@links}#1
  \hypersetup{linkbordercolor=thesis@color@links}}
\define@key{thesis@color}{tableOdd}{%
  \definecolor{thesis@color@tableOdd}#1}
\define@key{thesis@color}{tableEven}{%
  \definecolor{thesis@color@tableEven}#1}
\define@key{thesis@color}{tableEmph}{%
  \definecolor{thesis@color@tableEmph}#1}
```

The file defines several blocks to be used in the redefinitions of the `\thesis@blocks@preamble` and `\thesis@blocks@postamble` macros by the subsequently loaded style files.

`\thesis@blocks@coverMatter` The `\thesis@blocks@coverMatter` macro sets up the style of the cover and the title page of the thesis. This amounts to disabling the page numbering, so that hyperref links do not point to the cover page and the title page instead of the initial pages of the main matter.

```
\def\thesis@blocks@coverMatter{%
  \pagenumbering{gobble}}
```

`\thesis@blocks@frontMatter` The `\thesis@blocks@frontMatter` macro sets up the style of the front matter of the thesis.

```
\def\thesis@blocks@frontMatter{%
  \thesis@blocks@clear
  \pagestyle{plain}
  \parindent 1.5em
  \setcounter{page}{1}
  \pagenumbering{roman}}
```

`\thesis@blocks@clear` The `\thesis@blocks@clear` macro clears the current page. It also clears the next left-hand (even-numbered) page, when double-sided typesetting is enabled.

```
\def\thesis@blocks@clear{%
  \ifthesis@twoside@
    \clearpage
    \thispagestyle{empty}%
    \cleardoublepage
  \else
    \newpage
  \fi}
```

`\thesis@blocks@clearRight` The `\thesis@blocks@clearRight` macro clears the current page. It also clears the next right-hand (odd-numbered) page, when double-sided typesetting is enabled.

```
\def\thesis@blocks@clearRight{%
  \ifthesis@twoside@
    \clearpage
    \ifodd\value{page}%
      \thispagestyle{empty}%
      \hbox{}%
      \newpage
```

```
    \fi
  \else
    \newpage
  \fi}
```

s@blocks@facultyLogo@monochrome The `\thesis@blocks@facultyLogo@monochrome[`⟨*options*⟩`]` macro typesets the `\thesis@logopath\thesis@facultyLogo` logo with the given *options* passed to `\includegraphics`.

```
\newcommand{\thesis@blocks@facultyLogo@monochrome}[1]%
  [width=40mm]{{%
    \edef\@path{\thesis@logopath\thesis@facultyLogo}%
    \includegraphics[#1]{\@path}}}
```

thesis@blocks@facultyLogo@color The `\thesis@blocks@facultyLogo@color[`⟨*options*⟩`]` macro typesets either the `\thesis@logopath\thesis@facultyLogo` logo, if the `\ifthesis@color@` conditional is `false`, or the `\thesis@logopath\thesis@facultyLogo-color` logo otherwise with the given *options* passed to `\includegraphics`.

```
\newcommand{\thesis@blocks@facultyLogo@color}[1]%
  [width=40mm]{{%
    \edef\@path{\thesis@logopath\thesis@facultyLogo
      \ifthesis@color@-color\fi}%
    \includegraphics[#1]{\@path}}}
```

locks@universityLogo@monochrome The `\thesis@blocks@universityLogo@monochrome[`⟨*options*⟩`]` macro typesets the `\thesis@logopath\thesis@universityLogo` logo with the given *options* passed to `\includegraphics`.

```
\newcommand{\thesis@blocks@universityLogo@monochrome}[1]%
  [width=40mm]{{%
    \edef\@path{\thesis@logopath\thesis@universityLogo}%
    \includegraphics[#1]{\@path}}}
```

esis@blocks@universityLogo@color The `\thesis@blocks@universityLogo@color[`⟨*options*⟩`]` macro typesets either the `\thesis@logopath\thesis@universityLogo` logo, if the `\ifthesis@color@` conditional is `false`, or the `\thesis@logopath\thesis@universityLogo-color` logo otherwise with the given *options* passed to `\includegraphics`.

```
\newcommand{\thesis@blocks@universityLogo@color}[1]%
  [width=40mm]{{%
    \edef\@path{\thesis@logopath\thesis@universityLogo
      \ifthesis@color@-color\fi}%
    \includegraphics[#1]{\@path}}}
```

The `\thesis@department@name` and `\thesis@field@name` macros and their English counterparts provide a level of indirection that allows the subsequently loaded style files to parse the values of `\thesis@department` and `\thesis@field` (and their English counterparts) and map them to human-readable names, which will then be typeset.

```
\let\thesis@department@name\thesis@department
\let\thesis@departmentEn@name\thesis@departmentEn
```

```
\let\thesis@field@name\thesis@field
\let\thesis@fieldEn@name\thesis@fieldEn
```

\thesis@blocks@cover

The \thesis@blocks@cover macro typesets the thesis cover. It is composed of three macros:

\thesis@blocks@cover@header

- \thesis@blocks@cover@header – The header of the cover page

\thesis@blocks@cover@content

- \thesis@blocks@cover@content – The content of the cover page

\thesis@blocks@cover@footer

- \thesis@blocks@cover@footer – The footer of the cover page

This allows the subsequently loaded style files to only redefine certain parts of the cover page.

```
\def\thesis@blocks@cover{%
  \ifthesis@cover@
    \thesis@blocks@clear
    \begin{alwayssingle}%
      \thispagestyle{empty}%
      \begin{center}%
        \thesis@blocks@cover@header
        \thesis@blocks@facultyLogo@monochrome\\[0.4in]%
        \let\footnotesize\small
        \let\footnoterule\relax{}%
        \thesis@blocks@cover@content
        \par\vfill
        \thesis@blocks@cover@footer
      \end{center}%
    \end{alwayssingle}%
  \fi}
```

The output of the \thesis@blocks@cover@header macro is controlled by the following conditionals:

1. \ifthesis@blocks@cover@university@ – This conditional expression determines, whether the university name is going to be included in the header of the cover. The default value of this conditional is true.
2. \ifthesis@blocks@cover@faculty@ – This conditional expression determines, whether the faculty name is going to be included in the header of the cover. The default value of this conditional is true.
3. \ifthesis@blocks@cover@department@ – This conditional expression determines, whether the department name is going to be included in the header of the cover. The default value of this conditional is false.
4. \ifthesis@blocks@cover@field@ – This conditional expression determines, whether the field of study is going to be included in the header of the cover. The default value of this conditional is false.

The sebsequently loaded style files can modify the value of these conditionals to alter the output of the \thesis@blocks@cover@header macro without altering its definition.

```
\newif\ifthesis@blocks@cover@university@
\thesis@blocks@cover@university@true
\newif\ifthesis@blocks@cover@faculty@
\thesis@blocks@cover@faculty@true
\newif\ifthesis@blocks@cover@department@
\thesis@blocks@cover@department@false
\newif\ifthesis@blocks@cover@field@
\thesis@blocks@cover@field@false

\def\thesis@blocks@cover@header{%
  {\sc\ifthesis@blocks@cover@university@
        \thesis@titlePage@LARGE\thesis@@{universityName}\\%
   \fi\ifthesis@blocks@cover@faculty@
        \thesis@titlePage@Large\thesis@@{facultyName}\\%
   \fi\ifthesis@blocks@cover@department@
        \thesis@titlePage@large\thesis@department@name\\%
      \fi}
  \ifthesis@blocks@cover@field@
    {\thesis@titlePage@large\vskip 1em%
      {\bf\thesis@@{fieldTitle}:} \thesis@field@name}%
  \fi\vskip 2em}
\def\thesis@blocks@cover@content{%
  {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}%
  \vskip 0.8in%
  {\thesis@titlePage@large\sc\thesis@@{typeName}}\\[0.3in]%
  {\thesis@titlePage@Large\bf\thesis@author}}
\def\thesis@blocks@cover@footer{%
  {\thesis@titlePage@large\thesis@place, \thesis@@{semester}}}
```

\thesis@blocks@titlePage

The \thesis@blocks@titlePage macro typesets the thesis title page. It is composed of three macros:

- \thesis@blocks@titlePage@header – The header of the cover page
- \thesis@blocks@titlePage@content – The content of the cover page
- \thesis@blocks@titlePage@footer – The footer of the cover page

This allows the subsequently loaded style files to only redefine certain parts of the title page.

```
\def\thesis@blocks@titlePage{%
    \thesis@blocks@clear
    \begin{alwayssingle}%
      \thispagestyle{empty}%
      \begin{center}%
        \thesis@blocks@titlePage@header
        \thesis@blocks@facultyLogo@color\\[0.4in]%
```

```
      \let\footnotesize\small
      \let\footnoterule\relax{}%
      \thesis@blocks@titlePage@content
      \par\vfill
      \thesis@blocks@titlePage@footer
    \end{center}%
  \end{alwayssingle}}
```

The output of the `\thesis@blocks@titlePage@header` macro is controlled by the following conditionals:

1. `\ifthesis@blocks@titlePage@university@` – This conditional expression determines, whether the university name is going to be included in the header of the title page. The default value of this conditional is `true`.
2. `\ifthesis@blocks@titlePage@faculty@` – This conditional expression determines, whether the faculty of study is going to be included in the header of the title page. The default value of this conditional is `true`.
3. `\ifthesis@blocks@titlePage@department@` – This conditional expression determines, whether the department name is going to be included in the header of the title page. The default value of this conditional is `false`.
4. `\ifthesis@blocks@titlePage@field@` – This conditional expression determines, whether the field of study is going to be included in the header of the title page. The default value of this conditional is `false`.

The sebsequently loaded style files can modify the value of these conditionals to alter the output of the `\thesis@blocks@titlePage@header` macro without altering its definition.

```
\newif\ifthesis@blocks@titlePage@university@
\thesis@blocks@titlePage@university@true
\newif\ifthesis@blocks@titlePage@faculty@
\thesis@blocks@titlePage@faculty@true
\newif\ifthesis@blocks@titlePage@department@
\thesis@blocks@titlePage@department@false
\newif\ifthesis@blocks@titlePage@field@
\thesis@blocks@titlePage@field@false

\def\thesis@blocks@titlePage@header{%
 {\sc\ifthesis@blocks@titlePage@university@
      \thesis@titlePage@LARGE\thesis@@{universityName}\\%
  \fi\ifthesis@blocks@titlePage@faculty@
      \thesis@titlePage@Large\thesis@@{facultyName}\\%
  \fi\ifthesis@blocks@titlePage@department@
      \thesis@titlePage@large\thesis@department@name\\%
    \fi}
 \ifthesis@blocks@titlePage@field@
   {\thesis@titlePage@large\vskip 1em%
     {\bf\thesis@@{fieldTitle}:} \thesis@field@name}%
```

```
  \fi\vskip 2em}
\let\thesis@blocks@titlePage@content=\thesis@blocks@cover@content
\let\thesis@blocks@titlePage@footer=\thesis@blocks@cover@footer
```

`\thesis@blocks@toc` The `\thesis@blocks@toc` macro typesets the table of contents.

```
\def\thesis@blocks@toc{%
  \thesis@blocks@clear
  \tableofcontents}
```

`\thesis@blocks@tables` The `\thesis@blocks@tables` macro typesets the table of contents and optionally the list of tables and the list of figures.

```
\def\thesis@blocks@tables{%
  \thesis@blocks@toc
  \thesis@blocks@lot
  \thesis@blocks@lof}
```

`\thesis@blocks@declaration` The `\thesis@blocks@declaration` macro typesets the declaration text.

```
\def\thesis@blocks@declaration{%
  \thesis@blocks@clear
  \begin{alwayssingle}%
    \chapter*{\thesis@@{declarationTitle}}%
    \thesis@declaration
    \vskip 2cm%
    \hfill\thesis@author
  \end{alwayssingle}}
```

`\thesis@blocks@thanks` The `\thesis@blocks@thanks` macro typesets the acknowledgement, if the `\thesis@thanks` macro is defined. Otherwise, the macro produces no output.

```
\def\thesis@blocks@thanks{%
  \ifx\thesis@thanks\undefined\else
    \thesis@blocks@clear
    \begin{alwayssingle}%
      \chapter*{\vspace*{\fill}\thesis@@{thanksTitle}}%
      \thesis@thanks
    \end{alwayssingle}%
  \fi}
```

`\thesis@blocks@abstract` The `\thesis@blocks@abstract` macro typesets the abstract.

```
\def\thesis@blocks@abstract{%
  \begin{alwayssingle}%
    % Start the new chapter without clearing the right page
    {\def\cleardoublepage{}
    \chapter*{\thesis@@{abstractTitle}}}%
    \noindent\thesis@abstract
    \par\vfil\null
  \end{alwayssingle}}
```

`\thesis@blocks@abstractEn` The `\thesis@blocks@abstractEn` macro typesets the abstract in English. If the current locale is English, the macro produces no output.

```
\def\thesis@blocks@abstractEn{%
  \ifthesis@english\else
    {\thesis@selectLocale{english}%
    \begin{alwayssingle}%
      % Start the new chapter without clearing the right page
      {\def\cleardoublepage{}%
      \chapter*{\thesis@english@abstractTitle}%
      \thesis@abstractEn}%
      \par\vfil\null
    \end{alwayssingle}}%
  \fi}
```

`\thesis@blocks@keywords` The `\thesis@blocks@keywords` macro typesets the keywords.

```
\def\thesis@blocks@keywords{%
  \begin{alwayssingle}%
    % Start the new chapter without clearing the right page
    {\def\cleardoublepage{}%
    \chapter*{\thesis@@{keywordsTitle}}%
    \noindent\thesis@TeXkeywords}%
    \par\vfil\null
  \end{alwayssingle}}
```

`\thesis@blocks@keywordsEn` The `\thesis@blocks@keywordsEn` macro typesets the keywords in English. If the current locale is English, the macro produces no output.

```
\def\thesis@blocks@keywordsEn{%
  \ifthesis@english\else
    {\thesis@selectLocale{english}%
    \begin{alwayssingle}%
      % Start the new chapter without clearing the right page
      {\def\cleardoublepage{}%
      \chapter*{\thesis@english@keywordsTitle}%
      \thesis@TeXkeywordsEn}%
      \par\vfil\null
    \end{alwayssingle}}%
  \fi}
```

`\thesis@rewind` The `\thesis@rewind` macro rewinds the page numbers by either one or two pages, depending on whether one-side or two-side typesetting is enabled, respectively.

```
\def\thesis@rewind{%
  \addtocounter{page}{-\ifthesis@twoside@2\else1\fi}}
```

`\thesis@blocks@assignment` The `\thesis@blocks@assignment` macro produces a different output depending on the values of the `\thesis@assignmentFiles`. `\ifthesis@blocks@assignment@`, and `\ifthesis@digital` macros.

`\ifthesis@blocks@assignment@` The default value of the `\ifthesis@blocks@assignment@` conditional is `true`.

```
\newif\ifthesis@blocks@assignment@
\thesis@blocks@assignment@true
\def\thesis@blocks@assignment{%
```

If the \ifthesis@blocks@assignment@ conditional is true and the \thesis@assignmentFiles macro is undefined, then typeset a placeholder page.

```
\ifthesis@blocks@assignment@
  \ifx\thesis@assignmentFiles\undefined
    % Rewind the pages and typeset a placeholder page.
    \thesis@blocks@clear
    \begin{alwayssingle}%
      \thispagestyle{empty}\thesis@rewind
      \noindent\textit{\thesis@@{assignment}}%
    \end{alwayssingle}%
  \else
```

If the \ifthesis@blocks@assignment@ conditional is true and the \thesis@assignmentFiles macro is neither undefined nor empty, then typeset a placeholder page, if the \ifthesis@digital@ conditional is true.

```
    {\edef\@pdfList{\thesis@assignmentFiles}%
    \ifx\@pdfList\empty\else
      \ifthesis@digital@
        \thesis@blocks@clear
        \begin{alwayssingle}%
          \thispagestyle{empty}\thesis@rewind
          \noindent\textit{\thesis@@{assignment}}%
        \end{alwayssingle}%
```

If the \ifthesis@blocks@assignment@ conditional is true and the \thesis@assignmentFiles macro is neither undefined nor empty, then inject the PDF documents specified in the \thesis@assignmentFiles, if the \ifthesis@digital@ conditional is false.

```
      \else
        \let\ea\expandafter
        % Inject the specified PDF documents.
        \def\@inject##1,{\thesis@blocks@clear
          \def\@args{##1}\def\@relax{\relax}%
          \ifx\@args\@relax\else
            % Trim leading spaces.
            \edef\@trimmed{\romannumeral-`\.##1}%
            % Rewind the pages and include the PDF.
            \thesis@rewind\includepdf[pages=-]\@trimmed
            \ea\@inject\fi}%
        \ea\@inject\@pdfList,\relax,%
      \fi
    \fi}%
  \fi
\fi}
```

\thesis@blocks@mainMatter The \thesis@blocks@mainMatter macro sets up the style of the main matter of the thesis.

```
\def\thesis@blocks@mainMatter{%
  \thesis@blocks@clear
  \setcounter{page}{1}
  \pagenumbering{arabic}
```

```
  \pagestyle{thesisheadings}
  \parindent 1.5em\relax}
```

`\thesis@blocks@bibEntry` The `\thesis@blocks@bibEntry` macro typesets a bibliographical entry. Along with the macros required by the locale file interface, the *locale* files need to define the following strings:

- `bib@title` – The title of the entire block
- `bib@pages` – The abbreviation of pages used in the bibliographical entry

```
\def\thesis@blocks@bibEntry{%
  \chapter*{\thesis@@{bib@title}}
  \noindent\thesis@upper{author@tail}, \thesis@author@head.
  \emph{\thesis@title}. \thesis@place: \thesis@@{universityName},
  \thesis@@{facultyName}, \thesis@department@name, \thesis@year.
  \thesis@pages\ \thesis@@{bib@pages}.
  \thesis@@{advisorTitle}: \thesis@advisor
  \thesis@blocks@clearRight}
```

`\thesis@blocks@bibliography` When `\ifthesis@bibliography@loaded@` is true and `\ifthesis@bibliography@included@` false, then the `\thesis@blocks@bibliography` macro typesets a bibliography via the BibLaTeX package. Otherwise, this macro produces no output.

```
\def\thesis@blocks@bibliography{%
  \ifthesis@bibliography@loaded@
    \ifthesis@bibliography@included@\else
      \thesis@blocks@clear
      {\emergencystretch=3em%
      \printbibliography[heading=bibintoc]}%
    \fi
  \fi}
```

The rest of the file comprises redefinitions of LaTeX commands and private `rapport3` class macros altering the layout of the resulting document. Depending on the type size of 10, 11 or 12 points, either the `fithesis-10.clo`, `fithesis-11.clo` or `fithesis-12.clo` file is loaded from the `\thesis@stylepath mu` directory, respectively.

```
% Table of contents will contain sectioning commands up to
% \subsection.
\setcounter{tocdepth}{2}

% Sections up to \subsection will be numbered.
\setcounter{secnumdepth}{2}

% Load the ‘fithesis-1*.clo‘ size option.
\input\thesis@stylepath mu/fithesis-1\thesis@ptsize.clo\relax

% Define the running heading style.
\def\ps@thesisheadings{%
  \def\chaptermark##1{%
```

```
    \markright{%
      \ifnum\c@secnumdepth >\m@ne
        \thechapter.\ %
      \fi ##1}}
  \let\@oddfoot\@empty
  \let\@oddhead\@empty
  \def\@oddhead{%
    \vbox{%
      \hbox to \textwidth{%
      \hfil{\sc\rightmark}}%
      \vskip 4pt\hrule}}
  \if@twoside
    \def\@evenhead{%
      \vbox{%
        \hbox to \textwidth{%
          {\sc\rightmark}%
          \hfil}
        \vskip 4pt\hrule}}
  \else
    \let\@evenhead\@oddhead
  \fi
  \def\@oddfoot{\hfil\PageFont\thepage}
  \if@twoside
    \def\@evenfoot{\PageFont\thepage\hfil}%
  \else
    \let\@evenfoot\@oddfoot
  \fi
  \let\@mkboth\markboth}

% Redefine the style of the chapter headings.
\renewcommand*\chapter{%
  \thesis@blocks@clear
  \thispagestyle{plain}%
  \global\@topnum\z@
  \@afterindentfalse
  \secdef\@chapter\@schapter}

% Redefine the style of part headings.
\renewcommand*\part{%
  \thesis@blocks@clear
  \if@twocolumn
    \onecolumn
    \@tempswatrue
  \else
    \@tempswafalse
  \fi
  \hbox{}\vfil
  \secdef\@part\@spart}

% A macro for temporary multicol -> singlecol switching.
```

```
\newif\if@restonecol
\def\alwayssingle{%
  \@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi}
\def\endalwayssingle{\if@restonecol\twocolumn\fi}

% Disable uppercasing in PDF strings.
\pdfstringdefDisableCommands{%
  \let\MakeUppercase\relax}

% Set up the ToC entries appearance.
\renewcommand*\toc@font[1]{%
  \ifcase #1\relax
    \bfseries % \chapter (0)
  \or
    \slshape  % \section (1)
\else
    \rmfamily % \subsection (2), \subsubsection (3)
              % \paragraph, \subparagraph (4)
  \fi}

% Set up the table of contents entries for sectioning commands.
\renewcommand*\l@part[2]{%
  \ifnum \c@tocdepth >-2\relax
    \addpenalty{-\@highpenalty}%
    \ifnum \c@tocdepth >0\relax
      \addvspace{2.25em \@plus\p@}%
    \else
      \addvspace{1.0em \@plus\p@}%
    \fi
    \begingroup
      \setlength\@tempdima{3em}%
      \parindent \z@ \rightskip \@pnumwidth
      \parfillskip -\@pnumwidth
      {\leavevmode
       \normalfont \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
       \nobreak
         \global\@nobreaktrue
         \everypar{\global\@nobreakfalse\everypar{}}%
    \endgroup
  \fi}

\renewcommand*\l@chapter[2]{%
  \ifnum \c@tocdepth >0\relax
    \addpenalty{-\@highpenalty}%
    \addvspace{1.0em \@plus\p@}%
    \setlength\@tempdima{1.5em}%
    \begingroup
      \parindent \z@ \rightskip \@pnumwidth
      \parfillskip -\@pnumwidth
      \leavevmode \bfseries
```

```
      \advance\leftskip\@tempdima
      \hskip -\leftskip
      #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
      \penalty\@highpenalty
    \endgroup
  \else
    \@dottedtocline{0}{0em}{1.5em}{#1}{#2}
  \fi}

\renewcommand*\l@section{\@dottedtocline{1}{1.5em}{2.3em}}
\renewcommand*\l@subsection{\@dottedtocline{2}{3.8em}{3.2em}}
\renewcommand*\l@subsubsection{\@dottedtocline{3}{7.0em}{4.1em}}
\renewcommand*\l@paragraph{\@dottedtocline{4}{10.0em}{5.0em}}
\renewcommand*\l@subparagraph{\@dottedtocline{4}{12.0em}{6.0em}}
```

3.5.2.3 The `style/mu/fithesis-10.clo` file

This file is conditionally loaded by the `style/mu/base.sty` file to redefine the page geometry to match the type size of 10 points.

```
⟨*opt⟩
⟨*10pt⟩
\ProvidesFile{fithesis/style/mu/fithesis-10.clo}[2016/05/15]

\renewcommand{\normalsize}{\fontsize\@xpt{12}\selectfont
\abovedisplayskip 10\p@ plus2\p@ minus5\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6\p@ plus3\p@ minus3\p@
\let\@listi\@listI}

\renewcommand{\small}{\fontsize\@ixpt{11}\selectfont
\abovedisplayskip 8.5\p@ plus3\p@ minus4\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus2\p@
\belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
\def\@listi{\leftmargin\leftmargini
\topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
\itemsep \parsep}}

\renewcommand{\footnotesize}{\fontsize\@viiipt{9.5}\selectfont
\abovedisplayskip 6\p@ plus2\p@ minus4\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus\p@
\belowdisplayshortskip 3\p@ plus\p@ minus2\p@
\def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
\topsep 3\p@ plus\p@ minus\p@\parsep 2\p@ plus\p@ minus\p@
\itemsep \parsep}}

\renewcommand{\scriptsize}{\fontsize\@viipt{8pt}\selectfont}
\renewcommand{\tiny}{\fontsize\@vpt{6pt}\selectfont}
```

```
\renewcommand{\large}{\fontsize\@xiipt{14pt}\selectfont}
\renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
\renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
\renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
\renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}

⟨/10pt⟩
```

3.5.2.4 The `style/mu/fithesis-11.clo` file

This file is conditionally loaded by the `style/mu/base.sty` file to redefine the page geometry to match the type size of 11 points.

```
⟨*11pt⟩
\ProvidesFile{fithesis/style/mu/fithesis-11.clo}[2016/05/15]

\renewcommand{\normalsize}{\fontsize\@xipt{14}\selectfont
\abovedisplayskip 11\p@ plus3\p@ minus6\p@
\belowdisplayskip \abovedisplayskip
\belowdisplayshortskip  6.5\p@ plus3.5\p@ minus3\p@
% \abovedisplayshortskip  \z@ plus3\@p
\let\@listi\@listI}

\renewcommand{\small}{\fontsize\@xpt{12}\selectfont
\abovedisplayskip 10\p@ plus2\p@ minus5\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6\p@ plus3\p@ minus3\p@
\def\@listi{\leftmargin\leftmargini
\topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
\itemsep \parsep}}

\renewcommand{\footnotesize}{\fontsize\@ixpt{11}\selectfont
\abovedisplayskip 8\p@ plus2\p@ minus4\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus\p@
\belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
\def\@listi{\leftmargin\leftmargini
\topsep 4\p@ plus2\p@ minus2\p@\parsep 2\p@ plus\p@ minus\p@
\itemsep \parsep}}

\renewcommand{\scriptsize}{\fontsize\@viiipt{9.5pt}\selectfont}
\renewcommand{\tiny}{\fontsize\@vipt{7pt}\selectfont}
\renewcommand{\large}{\fontsize\@xiipt{14pt}\selectfont}
\renewcommand{\Large}{\fontsize\@xivpt{18pt}\selectfont}
\renewcommand{\LARGE}{\fontsize\@xviipt{22pt}\selectfont}
\renewcommand{\huge}{\fontsize\@xxpt{25pt}\selectfont}
\renewcommand{\Huge}{\fontsize\@xxvpt{30pt}\selectfont}

⟨/11pt⟩
```

3.5.2.5 The `style/mu/fithesis-12.clo` file

This file is conditionally loaded by the `style/mu/base.sty` file to redefine the page geometry to match the type size of 12 points. The type dimensions defined by the file are stored in the following macros as well:

- `\thesis@titlePage@normalsize` – Equivalent to `\normalsize`
- `\thesis@titlePage@small` – Equivalent to `\small`
- `\thesis@titlePage@footnotesize` – Equivalent to `\footnotesize`
- `\thesis@titlePage@scriptsize` – Equivalent to `\scriptsize`
- `\thesis@titlePage@tiny` – Equivalent to `\tiny`
- `\thesis@titlePage@large` – Equivalent to `\large`
- `\thesis@titlePage@Large` – Equivalent to `\Large`
- `\thesis@titlePage@LARGE` – Equivalent to `\LARGE`
- `\thesis@titlePage@huge` – Equivalent to `\huge`
- `\thesis@titlePage@Huge` – Equivalent to `\Huge`

These macros can be used to typeset elements whose size should remain constant regardless of the font size setting.

```
⟨*12pt⟩
\ProvidesFile{fithesis/style/mu/fithesis-12.clo}[2016/05/15]
⟨/12pt⟩

\def\thesis@titlePage@normalsize{\fontsize\@xiipt{14.5}%
\selectfont\abovedisplayskip 12\p@ plus3\p@ minus7\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6.5\p@ plus3.5\p@ minus3\p@
\let\@listi\@listI}

\def\thesis@titlePage@small{\fontsize\@xipt{13.6}\selectfont
\abovedisplayskip 11\p@ plus3\p@ minus6\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6.5\p@ plus3.5\p@ minus3\p@
\def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
\parsep 4.5\p@ plus2\p@ minus\p@
            \itemsep \parsep
            \topsep 9\p@ plus3\p@ minus5\p@}}

\def\thesis@titlePage@footnotesize{\fontsize\@xpt{12}\selectfont
\abovedisplayskip 10\p@ plus2\p@ minus5\p@
\belowdisplayskip \abovedisplayskip
```

```
\abovedisplayshortskip  \z@ plus3\p@
\belowdisplayshortskip  6\p@ plus3\p@ minus3\p@
\def\@listi{\leftmargin\leftmargini %% Added 22 Dec 87
\topsep 6\p@ plus2\p@ minus2\p@\parsep 3\p@ plus2\p@ minus\p@
\itemsep \parsep}}

\def\thesis@titlePage@scriptsize{\fontsize\@viiipt{9.5pt}\selectfont}
\def\thesis@titlePage@tiny{\fontsize\@vipt{7pt}\selectfont}
\def\thesis@titlePage@large{\fontsize\@xivpt{18pt}\selectfont}
\def\thesis@titlePage@Large{\fontsize\@xviipt{22pt}\selectfont}
\def\thesis@titlePage@LARGE{\fontsize\@xxpt{25pt}\selectfont}
\def\thesis@titlePage@huge{\fontsize\@xxvpt{30pt}\selectfont}
\def\thesis@titlePage@Huge{\fontsize\@xxvpt{30pt}\selectfont}

⟨*12pt⟩
\renewcommand{\normalsize}{\thesis@titlePage@normalsize}
\renewcommand{\small}{\thesis@titlePage@small}
\renewcommand{\footnotesize}{\thesis@titlePage@footnotesize}
\renewcommand{\scriptsize}{\thesis@titlePage@scriptsize}
\renewcommand{\tiny}{\thesis@titlePage@tiny}
\renewcommand{\large}{\thesis@titlePage@large}
\renewcommand{\Large}{\thesis@titlePage@Large}
\renewcommand{\LARGE}{\thesis@titlePage@LARGE}
\renewcommand{\huge}{\thesis@titlePage@huge}
\renewcommand{\Huge}{\thesis@titlePage@Huge}
⟨/12pt⟩
\let\@normalsize\normalsize
\normalsize

\if@twoside
   \oddsidemargin 0.75in
   \evensidemargin 0.4in
   \marginparwidth 0pt
\else
   \oddsidemargin 0.75in
   \evensidemargin 0.75in
   \marginparwidth 0pt
\fi
\marginparsep 10pt

\topmargin 0.4in

\headheight 20pt
\headsep 10pt
\topskip 10pt
\footskip 30pt

⟨*10pt⟩
\textheight = 43\baselineskip
\advance\textheight by \topskip
```

```
\textwidth 5.0truein
\columnsep 10pt
\columnseprule 0pt

\footnotesep 6.65pt
\skip\footins 9pt plus 4pt minus 2pt
\floatsep 12pt plus 2pt minus 2pt
\textfloatsep 20pt plus 2pt minus 4pt
\intextsep 12pt plus 2pt minus 2pt
\dblfloatsep 12pt plus 2pt minus 2pt
\dbltextfloatsep 20pt plus 2pt minus 4pt

\@fptop 0pt plus 1fil
\@fpsep 8pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblfptop 0pt plus 1fil
\@dblfpsep 8pt plus 2fil
\@dblfpbot 0pt plus 1fil
\marginparpush 5pt

\parskip 0pt plus 1pt
\partopsep 2pt plus 1pt minus 1pt

⟨/10pt⟩
%
⟨*11pt⟩
\textheight = 39\baselineskip
\advance\textheight by \topskip
\textwidth 5.0truein
\columnsep 10pt
\columnseprule 0pt

\footnotesep 7.7pt
\skip\footins 10pt plus 4pt minus 2pt
\floatsep 12pt plus 2pt minus 2pt
\textfloatsep 20pt plus 2pt minus 4pt
\intextsep 12pt plus 2pt minus 2pt
\dblfloatsep 12pt plus 2pt minus 2pt
\dbltextfloatsep 20pt plus 2pt minus 4pt

\@fptop 0pt plus 1fil
\@fpsep 8pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblfptop 0pt plus 1fil
\@dblfpsep 8pt plus 2fil
\@dblfpbot 0pt plus 1fil
\marginparpush 5pt

\parskip 0pt plus 0pt
\partopsep 3pt plus 1pt minus 2pt
```

```
⟨/11pt⟩
%
⟨*12pt⟩
\textheight = 37\baselineskip
\advance\textheight by \topskip
\textwidth 5.0truein
\columnsep 10pt
\columnseprule 0pt

\footnotesep 8.4pt
\skip\footins 10.8pt plus 4pt minus 2pt
\floatsep 14pt plus 2pt minus 4pt
\textfloatsep 20pt plus 2pt minus 4pt
\intextsep 14pt plus 4pt minus 4pt
\dblfloatsep 14pt plus 2pt minus 4pt
\dbltextfloatsep 20pt plus 2pt minus 4pt

\@fptop 0pt plus 1fil
\@fpsep 10pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblfptop 0pt plus 1fil
\@dblfpsep 10pt plus 2fil
\@dblfpbot 0pt plus 1fil
\marginparpush 7pt

\parskip 0pt plus 0pt
\partopsep 3pt plus 2pt minus 2pt

⟨/12pt⟩
\@lowpenalty   51
\@medpenalty  151
\@highpenalty 301
\@beginparpenalty -\@lowpenalty
\@endparpenalty   -\@lowpenalty
\@itempenalty     -\@lowpenalty

\def\@makechapterhead#1{{%
  \setlength\parindent{\z@}%
  \setlength\parskip  {\z@}%
  \Large \ChapFont
  \ifnum
    \c@secnumdepth >\m@ne
    \par\nobreak
    \vskip 10\p@
    \thechapter{} \space
  \fi #1\par
  \nobreak
  \vskip 20\p@}}
```

```
\def\@makeschapterhead#1{{%
  \setlength\parindent{\z@}%
  \setlength\parskip  {\z@}%
  \Large \ChapFont #1\par
  \nobreak
  \vskip 20\p@}}

\def\chapter{%
 \clearpage
 \thispagestyle{plain}
 \global\@topnum\z@
 \@afterindentfalse
 \secdef\@chapter\@schapter}

\def\@chapter[#1]#2{%
  \ifnum \c@secnumdepth
    >\m@ne
    \refstepcounter{chapter}%
    \typeout{\@chapapp\space\thechapter.}%
    \addcontentsline{toc}{chapter}{\protect
    \numberline{\thechapter}\bfseries #1}
  \else
    \addcontentsline{toc}{chapter}{\bfseries #1}
  \fi
  \chaptermark{#1}%
  \addtocontents{lof}%
  {\protect\addvspace{4\p@}}
  \addtocontents{lot}%
  {\protect\addvspace{4\p@}}
  \if@twocolumn
    \@topnewpage[\@makechapterhead{#2}]%
  \else
    \@makechapterhead{#2}%
    \@afterheading
  \fi
}

\def\section{\@startsection{section}{1}{\z@}{%
  -3.5ex plus-1ex minus-.2ex}{2.3ex plus.2ex}{%
  \reset@font\large\bfseries}}
\def\subsection{\@startsection{subsection}{2}{\z@}{%
  -3.25ex plus-1ex minus-.2ex}{1.5ex plus.2ex}{%
  \reset@font\normalsize\bfseries}}
\def\subsubsection{\@startsection{subsubsection}{3}{\z@}{%
  -3.25ex plus-1ex minus-.2ex}{1.5ex plus.2ex}{%
  \reset@font\normalsize}}
\def\paragraph{\@startsection{paragraph}{4}{\z@}{%
  3.25ex plus1ex minus.2ex}{-1em}{%
  \reset@font\normalsize\bfseries}}
\def\subparagraph{\@startsection{subparagraph}{4}{\parindent}{%
```

```
  3.25ex plus1ex minus.2ex}{-1em}{%
  \reset@font\normalsize\bfseries}}

\leftmargini 2.5em
\leftmarginii 2.2em     % > \labelsep + width of '(m)'
\leftmarginiii 1.87em   % > \labelsep + width of 'vii.'
\leftmarginiv 1.7em     % > \labelsep + width of 'M.'
\leftmarginv 1em
\leftmarginvi 1em

\leftmargin\leftmargini
\labelsep .5em
\labelwidth\leftmargini\advance\labelwidth-\labelsep

⟨*10pt⟩
\def\@listI{\leftmargin\leftmargini \parsep 4\p@ plus2\p@ minus\p@
\topsep 8\p@ plus2\p@ minus4\p@
\itemsep 4\p@ plus2\p@ minus\p@}

\let\@listi\@listI
\@listi

\def\@listii{\leftmargin\leftmarginii
  \labelwidth\leftmarginii\advance\labelwidth-\labelsep
  \topsep 4\p@ plus2\p@ minus\p@
  \parsep 2\p@ plus\p@ minus\p@
  \itemsep \parsep}

\def\@listiii{\leftmargin\leftmarginiii
  \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
  \topsep 2\p@ plus\p@ minus\p@
  \parsep \z@ \partopsep\p@ plus\z@ minus\p@
  \itemsep \topsep}

\def\@listiv{\leftmargin\leftmarginiv
  \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}

\def\@listv{\leftmargin\leftmarginv
  \labelwidth\leftmarginv\advance\labelwidth-\labelsep}

\def\@listvi{\leftmargin\leftmarginvi
  \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
⟨/10pt⟩
%
⟨*11pt⟩
\def\@listI{\leftmargin\leftmargini \parsep 4.5\p@ plus2\p@ minus\p@
\topsep 9\p@ plus3\p@ minus5\p@
\itemsep 4.5\p@ plus2\p@ minus\p@}

\let\@listi\@listI
```

```
\@listi

\def\@listii{\leftmargin\leftmarginii
  \labelwidth\leftmarginii\advance\labelwidth-\labelsep
  \topsep 4.5\p@ plus2\p@ minus\p@
  \parsep 2\p@ plus\p@ minus\p@
  \itemsep \parsep}

\def\@listiii{\leftmargin\leftmarginiii
  \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
  \topsep 2\p@ plus\p@ minus\p@
  \parsep \z@ \partopsep \p@ plus\z@ minus\p@
  \itemsep \topsep}

\def\@listiv{\leftmargin\leftmarginiv
  \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}

\def\@listv{\leftmargin\leftmarginv
  \labelwidth\leftmarginv\advance\labelwidth-\labelsep}

\def\@listvi{\leftmargin\leftmarginvi
  \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
⟨/11pt⟩
%
⟨*12pt⟩
\def\@listI{\leftmargin\leftmargini \parsep 5\p@ plus2.5\p@ minus\p@
\topsep 10\p@ plus4\p@ minus6\p@
\itemsep 5\p@ plus2.5\p@ minus\p@}

\let\@listi\@listI
\@listi

\def\@listii{\leftmargin\leftmarginii
  \labelwidth\leftmarginii\advance\labelwidth-\labelsep
  \topsep 5\p@ plus2.5\p@ minus\p@
  \parsep 2.5\p@ plus\p@ minus\p@
  \itemsep \parsep}

\def\@listiii{\leftmargin\leftmarginiii
  \labelwidth\leftmarginiii\advance\labelwidth-\labelsep
  \topsep 2.5\p@ plus\p@ minus\p@
  \parsep \z@ \partopsep \p@ plus\z@ minus\p@
  \itemsep \topsep}

\def\@listiv{\leftmargin\leftmarginiv
  \labelwidth\leftmarginiv\advance\labelwidth-\labelsep}

\def\@listv{\leftmargin\leftmarginv
  \labelwidth\leftmarginv\advance\labelwidth-\labelsep}

```

```
\def\@listvi{\leftmargin\leftmarginvi
  \labelwidth\leftmarginvi\advance\labelwidth-\labelsep}
⟨/12pt⟩
⟨/opt⟩
```

3.5.3 The style files of the Faculty of Informatics

3.5.3.1 The `style/mu/fithesis-fi.sty` file

This is the style file for the theses written at the Faculty of Informatics at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[1].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-fi}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{FFD451},
  tableEmph={HTML}{FFD451},
  tableOdd={HTML}{FFF9E5},
  tableEven={HTML}{FFECB3}}
```

The bibliography support is enabled. The `numeric` citations are used and the bibliography is sorted in citation order.

```
\thesis@bibliography@setup{
  style=iso-numeric,
  sorting=none}
\thesis@bibliography@load
```

In case of rigorous and doctoral theses, the style file hides the thesis assignment in accordance with the formal requirements of the faculty.

```
\ifx\thesis@type\thesis@bachelors\else
\ifx\thesis@type\thesis@masters\else
  \thesis@blocks@assignment@false
\fi\fi
```

`\thesis@blocks@titlePage` The style file redefines the cover and title page footers to include the thesis advisor's name and signature in case of a rigorous thesis. Along with the macros required by the locale file interface, the locale files need to define the following strings:

- `advisorSignature` – The label of the advisor signature field typeset in the case of rigorous theses

```
\def\thesis@blocks@titlePage@content{%
    {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
    {\thesis@titlePage@large\sc\thesis@@{typeName}\\[0.3in]}
    {\thesis@titlePage@Large\bf\thesis@author}
    % If this is a rigorous thesis, typeset the name of the
    % thesis advisor.
```

[1] See http://www.fi.muni.cz/docs/BP_DP_na_FI.pdf

```
    \ifx\thesis@type\thesis@rigorous
      {\thesis@titlePage@large\\[0.3in]
        {\bf\thesis@@{advisorTitle}:} \thesis@advisor}
    \fi}%
\def\thesis@blocks@titlePage@footer{%
  {\thesis@titlePage@large\thesis@place, \thesis@@{semester}
  % If this is a rigorous thesis, create space for the advisor's
  % signature
  \ifx\thesis@type\thesis@rigorous
    \let\@A\relax\newlength{\@A}
      \settowidth{\@A}{\thesis@@{advisorSignature}}
      \setlength{\@A}{\@A+1cm}
    \hfill\raisebox{-0.5em}{\parbox{\@A}{
      \centering
      \rule{\@A}{1pt}\\
      \thesis@@{advisorSignature}
    }}
  \fi}}
```

`\thesis@blocks@declaration` The `\thesis@blocks@declaration` macro typesets the declaration text. Compared to the definition within the `style/mu/base.sty` file, this macro also typesets the advisor's name at the bottom of the page.

```
\def\thesis@blocks@declaration{%
  \thesis@blocks@clear
  \begin{alwayssingle}%
    \chapter*{\thesis@@{declarationTitle}}%
    \thesis@declaration
    \vskip 2cm%
    \hfill\thesis@author
    \par\vfill\noindent
    \textbf{\thesis@@{advisorTitle}:} \thesis@advisor
    \par\vfil
  \end{alwayssingle}}
```

All blocks within the autolayout preamble and postamble that are not defined within this file are defined in the `style/mu/fithesis-base.sty` file.

```
\def\thesis@blocks@preamble{%
  \thesis@blocks@coverMatter
    \thesis@blocks@cover
    \thesis@blocks@titlePage
  \thesis@blocks@frontMatter
    \thesis@blocks@assignment
    \thesis@blocks@declaration
    \thesis@blocks@thanks
    \thesis@blocks@clearRight
      \thesis@blocks@abstract
      \thesis@blocks@keywords
    \thesis@blocks@tables}
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography}
```

3.5.4 The style files of the Faculty of Science

3.5.4.1 The `style/mu/fithesis-sci.sty` file

This is the style file for the theses written at the Faculty of Science at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[2].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-sci}[2016/05/15]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{20E366},
  tableEmph={HTML}{8EDEAA},
  tableOdd={HTML}{EDF7F1},
  tableEven={HTML}{CCEDD8}}
```

The bibliography support is enabled. The `numeric` citations are used and the bibliography is sorted in citation order.

```
\thesis@bibliography@setup{
  style=iso-numeric,
  sorting=none}
\thesis@bibliography@load
```

The file uses Czech locale strings within the macros.

```
\thesis@requireLocale{czech}
```

The file loads the following packages:

- tikz – Used for dimension arithmetic.
- changepage – Used for width adjustments.

```
\thesis@require{tikz}
\thesis@require{changepage}
```

In case of rigorous and doctoral theses, the style file hides the thesis assignment in accordance with the formal requirements of the faculty.

```
\ifx\thesis@type\thesis@bachelors\else
\ifx\thesis@type\thesis@masters\else
  \thesis@blocks@assignment@false
\fi\fi
```

`\thesis@blocks@bibEntry` The `\thesis@blocks@bibEntry` macro typesets a bibliographical entry. Along with the macros required by the locale file interface, the locale files need to define the following macros:

`\thesis@czech@bib@title`
- `\thesis@czech@bib@title` – The title of the entire block

`\thesis@czech@bib@author`
- `\thesis@czech@bib@author` – The label of the author name entry

`\thesis@czech@bib@title`
- `\thesis@czech@bib@title` – The label of the title name entry

\thesis@czech@bib@programme
- \thesis@czech@bib@programme – The label of the programme name entry

\thesis@czech@bib@field
- \thesis@czech@bib@field – The label of the field of study name entry

\thesis@czech@bib@advisor
- \thesis@czech@bib@advisor – The label of the advisor name entry

\thesis@czech@bib@academicYear
- \thesis@czech@bib@academicYear – The label of the academic year entry

\thesis@czech@bib@pages
- \thesis@czech@bib@pages – The label of the number of pages entry

\thesis@czech@bib@keywords
- \thesis@czech@bib@keywords – The label of the keywords entry

```
\def\thesis@blocks@bibEntry{%
  \begin{alwayssingle}%
    {% Start the new chapter without clearing the right page
    {\def\cleardoublepage{}%
    \chapter*{\thesis@czech@bib@title}}%
    % Calculate the width of the columns
    \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
      \bf\thesis@czech@bib@author:}}
    \let\@B\relax\newlength{\@B}\settowidth{\@B}{{%
      \bf\thesis@czech@bib@thesisTitle:}}
    \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
      \bf\thesis@czech@bib@programme:}}
    \let\@D\relax\newlength{\@D}\settowidth{\@D}{{%
      \bf\thesis@czech@bib@field:}}
    % Unless this is a rigorous thesis, we will be typesetting the
    % name of the thesis advisor.
    \let\@E\relax\newlength{\@E}
      \ifx\thesis@type\thesis@rigorous
        \setlength{\@E}{0pt}%
      \else
        \settowidth{\@E}{{\bf\thesis@czech@bib@advisor:}}
      \fi
    \let\@F\relax\newlength{\@F}\settowidth{\@F}{{%
      \bf\thesis@czech@bib@academicYear:}}
    \let\@G\relax\newlength{\@G}\settowidth{\@G}{{%
      \bf\thesis@czech@bib@pages:}}
    \let\@H\relax\newlength{\@H}\settowidth{\@H}{{%
      \bf\thesis@czech@bib@keywords:}}
    \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
    \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
      max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
    \let\@right\relax\newlength{\@right}\setlength{\@right}{%
      \textwidth-\@left-\@skip}
    % Typeset the table
    \renewcommand{\arraystretch}{2}
    \noindent\begin{thesis@newtable@old}%
      {@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
```

[2] See http://www.sci.muni.cz/NW/predpisy/od/OD-2014-05.pdf

```
      \textbf{\thesis@czech@bib@author:} &
        \noindent\parbox[t]{\@right}{
          \thesis@author\\
          \thesis@czech@facultyName,
          \thesis@czech@universityName\\
          \thesis@department@name
        }\\
      \textbf{\thesis@czech@bib@thesisTitle:}
        & \thesis@title \\
      \textbf{\thesis@czech@bib@programme:}
        & \thesis@programme \\
      \textbf{\thesis@czech@bib@field:}
        & \thesis@field@name \\
      % Unless this is a rigorous thesis, typeset the name of the
      % thesis advisor.
      \ifx\thesis@type\thesis@rigorous\else
        \textbf{\thesis@czech@bib@advisor:}
          & \thesis@advisor \\
      \fi
      \textbf{\thesis@czech@bib@academicYear:}
        & \thesis@academicYear \\
      \textbf{\thesis@czech@bib@pages:}
        & \thesis@pages \\
      \textbf{\thesis@czech@bib@keywords:}
        & \thesis@TeXkeywords \\
    \end{thesis@newtable@old}}
  \end{alwayssingle}}
```

`\thesis@blocks@bibEntryEn` The `\thesis@blocks@bibEntryEn` macro typesets a bibliographical entry in English. Along with the macros required by the locale file interface, the locale files need to define the following macros:

`\thesis@english@bib@title` • `\thesis@english@bib@title` – The title of the entire block

`\thesis@english@bib@author` • `\thesis@english@bib@author` – The label of the author name entry

`\thesis@english@bib@title` • `\thesis@english@bib@title` – The label of the title name entry

`\thesis@english@bib@programme` • `\thesis@english@bib@programme` – The label of the programme name entry

`\thesis@english@bib@field` • `\thesis@english@bib@field` – The label of the field of study name entry

`\thesis@english@bib@advisor` • `\thesis@english@bib@advisor` – The label of the advisor name entry

`\thesis@english@bib@academicYear` • `\thesis@english@bib@academicYear` – The label of the academic year entry

`\thesis@english@bib@pages` • `\thesis@english@bib@pages` – The label of the number of pages entry

`\thesis@english@bib@keywords` • `\thesis@english@bib@keywords` – The label of the keywords entry

```
\def\thesis@blocks@bibEntryEn{%
  {\thesis@selectLocale{english}
  \begin{alwayssingle}
    % Start the new chapter without clearing the right page
    {\def\cleardoublepage{}%
    \chapter*{\thesis@english@bib@title}}%
    {% Calculate the width of the columns
    \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
      \bf\thesis@english@bib@author:}}
    \let\@B\relax\newlength{\@B}\settowidth{\@B}{{%
      \bf\thesis@english@bib@thesisTitle:}}
    \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
      \bf\thesis@english@bib@programme:}}
    \let\@D\relax\newlength{\@D}\settowidth{\@D}{{%
      \bf\thesis@english@bib@field:}}
    % Unless this is a rigorous thesis, we will be typesetting
    % the name of the thesis advisor.
    \let\@E\relax\newlength{\@E}
      \ifx\thesis@type\thesis@rigorous
        \setlength{\@E}{0pt}%
      \else
        \settowidth{\@E}{{\bf\thesis@english@bib@advisor:}}
      \fi
    \let\@F\relax\newlength{\@F}\settowidth{\@F}{{%
      \bf\thesis@english@bib@academicYear:}}
    \let\@G\relax\newlength{\@G}\settowidth{\@G}{{%
      \bf\thesis@english@bib@pages:}}
    \let\@H\relax\newlength{\@H}\settowidth{\@H}{{%
      \bf\thesis@english@bib@keywords:}}
    \let\@skip\relax\newlength{\@skip}\setlength{\@skip}{16pt}
    \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
      max(\@A,\@B,\@C,\@D,\@E,\@F,\@G,\@H)}
    \let\@right\relax\newlength{\@right}\setlength{\@right}{%
      \textwidth-\@left-\@skip}
    % Typeset the table
    \renewcommand{\arraystretch}{2}
    \noindent\begin{thesis@newtable@old}%
      {@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
        \textbf{\thesis@english@bib@author:} &
          \noindent\parbox[t]{\@right}{
            \thesis@author\\
            \thesis@english@facultyName,
            \thesis@english@universityName\\
            \thesis@departmentEn@name
          }\\
        \textbf{\thesis@english@bib@thesisTitle:}
          & \thesis@titleEn \\
        \textbf{\thesis@english@bib@programme:}
          & \thesis@programmeEn \\
        \textbf{\thesis@english@bib@field:}
```

```
          & \thesis@fieldEn@name \\
        % Unless this is a rigorous thesis, typeset the name of the
        % thesis advisor.
        \ifx\thesis@type\thesis@rigorous\else
          \textbf{\thesis@english@bib@advisor:}
            & \thesis@advisor \\
        \fi
        \textbf{\thesis@english@bib@academicYear:}
          & \thesis@academicYear \\
        \textbf{\thesis@english@bib@pages:}
          & \thesis@pages \\
        \textbf{\thesis@english@bib@keywords:}
          & \thesis@TeXkeywordsEn \\
      \end{thesis@newtable@old}}
    \end{alwayssingle}
  }}
```

`\thesis@blocks@frontMatter` The `\thesis@blocks@frontMatter` macro sets up the style of the front matter front matter of the thesis. The front matter is typeset without any visible numbering, as mandated by the formal requirements of the faculty.

```
\def\thesis@blocks@frontMatter{%
  \pagestyle{empty}
  \parindent 1.5em
  \setcounter{page}{1}
  \pagenumbering{roman}}
```

`\thesis@blocks@cover` The `\thesis@blocks@cover` macro typesets the thesis cover.

```
\def\thesis@blocks@cover{%
  \ifthesis@cover@
    \thesis@blocks@clear
    \begin{alwayssingle}
      \thispagestyle{empty}
      \begin{center}
      {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
          \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
          \thesis@titlePage@large\thesis@department@name}
      \vfill
      {\bf\thesis@titlePage@Huge\thesis@czech@typeName}
      \vfill
      {\thesis@titlePage@large\thesis@place
       \ \thesis@year\hfill\thesis@author}
      \end{center}
    \end{alwayssingle}
  \fi}
```

`\thesis@blocks@titlePage` The `\thesis@blocks@titlePage` macro typesets the thesis title page. Depending on the value of the `\ifthesis@color@` conditional, the faculty logo is loaded from either `\thesis@logopath`, if `false`, or from `\thesis@logopath color/`, if `true`.

```
\def\thesis@blocks@titlePage{%
```

```
\thesis@blocks@clear
\begin{alwayssingle}
  \thispagestyle{empty}
  % The top of the page
  \begin{adjustwidth}{-12mm}{}
    \begin{minipage}{30mm}
      \thesis@blocks@universityLogo@color[width=30mm]
    \end{minipage}\begin{minipage}{89mm}
      \begin{center}
        {\sc\thesis@titlePage@LARGE\thesis@czech@universityName\\%
            \thesis@titlePage@Large\thesis@czech@facultyName\\[0.3em]%
            \thesis@titlePage@normalsize\thesis@department@name}
        \rule{\textwidth}{2pt}\vspace*{2mm}
      \end{center}
    \end{minipage}\begin{minipage}{30mm}
      \thesis@blocks@facultyLogo@color[width=30mm]
    \end{minipage}
  \end{adjustwidth}
  % The middle of the page
  \vfill
  \parbox\textwidth{% Prevent vfills from squashing the leading
    \bf\thesis@titlePage@Huge\thesis@TeXtitle}
  {\thesis@titlePage@Huge\\[0.8em]}
  {\thesis@titlePage@large\thesis@czech@typeName\\[1em]}
  {\bf\thesis@titlePage@LARGE\thesis@author\\}
  \vfill\noindent
  % The bottom of the page
  {\bf\thesis@titlePage@normalsize
    % Unless this is a rigorous thesis, typeset the name of the
    % thesis advisor.
    \ifx\thesis@type\thesis@rigorous\else
        \thesis@czech@advisorTitle: \thesis@advisor\hfill
    \fi
    \thesis@place\ \thesis@year}
\end{alwayssingle}}
```

`\thesis@blocks@declaration` The `\thesis@blocks@declaration` macro typesets the declaration text. Unlike the generic `\thesis@blocks@declaration` macro from the `style/mu/fithesis-sci.sty` file, this definition includes the date and a blank line for the author's signature, as per the requirements of the faculty.

Along with the macros required by the locale file interface, the locale files need to define the following macros:

`\thesis@czech@bib@title`

- `\thesis@czech@authorSignature` – The label of the author's signature field
  `\thesis@czech@formattedDate` – A formatted date

```
\def\thesis@blocks@declaration{%
  \thesis@blocks@clear
  \begin{alwayssingle}%
    \chapter*{\thesis@@{declarationTitle}}%
```

```
    \thesis@declaration
    \vskip 2cm%
    {\let\@A\relax\newlength{\@A}
      \settowidth{\@A}{\thesis@@{authorSignature}}
      \setlength{\@A}{\@A+1cm}
    \noindent\thesis@place, \thesis@czech@formattedDate\hfill
    \begin{minipage}[t]{\@A}%
      \centering\rule{\@A}{1pt}\\
      \thesis@@{authorSignature}\par
    \end{minipage}}
  \end{alwayssingle}}
```

All blocks within the autolayout preamble and postamble that are not defined within this file are defined in the `style/mu/fithesis-base.sty` file. The entire front matter is typeset as though the locale were Czech in accordance with the formal requirements of the faculty.

```
\def\thesis@blocks@preamble{{%
  \thesis@selectLocale{czech}%
  \thesis@blocks@coverMatter
    \thesis@blocks@cover
  \thesis@blocks@frontMatter
    \thesis@blocks@titlePage
    \thesis@blocks@clearRight
      \thesis@blocks@bibEntry
      \thesis@blocks@bibEntryEn
      \thesis@blocks@abstract
      \thesis@blocks@abstractEn}
    \thesis@blocks@assignment
    {\thesis@selectLocale{czech}%
    \thesis@blocks@thanks
    \thesis@blocks@declaration
    \thesis@blocks@tables}}
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography}
```

3.5.5 The style files of the Faculty of Arts

3.5.5.1 The `style/mu/fithesis-phil.sty` file

This is the style file for the theses written at the Faculty of Arts at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[3].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-phil}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{6FCEF2},
```

[3] See http://is.muni.cz/auth/do/1421/4581421/Vzor_bakalarske_prace.pdf

```
  tableEmph={HTML}{78CEF0},
  tableOdd={HTML}{EBF6FA},
  tableEven={HTML}{D0EBF5}}
```

The bibliography support is enabled. The `numeric` citations are used and the bibliography is sorted by name, title, and year.

```
\thesis@bibliography@setup{
  style=iso-numeric,
  sorting=nty}
\thesis@bibliography@load
```

The style file configures the title page header to include the department and the field name.

```
\thesis@blocks@titlePage@department@true
\thesis@blocks@titlePage@field@true
```

The style file parses the value of the `\thesis@department` macro and recognizes the following divisions of the Faculty of Arts:

- `kisk` – The Division of Information and Library Studies [4] (KISK)

```
    \def\thesis@departments@kisk{kisk}
```

Along with the macros required by the locale file interface, the locale files need to define the following macros:

- `departmentName` – The human-readable name of the given recognized division.

```
\ifx\thesis@department\thesis@departments@kisk
  \def\thesis@department@name{\thesis@@{departmentName}}
  \def\thesis@departmentEn@name{\thesis@english@departmentName}
\fi
```

`\thesis@blocks@titlePage`

In the case of a KISK thesis, the style file redefines the cover and title page footers to include the thesis advisor's name.

```
\ifx\thesis@department\thesis@departments@kisk
  \def\thesis@blocks@titlePage@content{%
    {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
    {\thesis@titlePage@large\sc\thesis@@{typeName}\\[0.3in]}
    {\thesis@titlePage@Large\bf\thesis@author}
    % If this is a KISK thesis, typeset the name of the thesis
    % advisor.
    \ifx\thesis@department\thesis@departments@kisk
      {\thesis@titlePage@large\\[0.3in]
        {\bf\thesis@@{advisorTitle}:} \thesis@advisor}
    \fi}%
\fi
```

[4] See http://kisk.phil.muni.cz/cs/povinnosti.

All blocks within the autolayout preamble and postamble that are not defined within this file are defined in the `style/mu/fithesis-base.sty` file.

```
\def\thesis@blocks@preamble{%
  \thesis@blocks@coverMatter
    \thesis@blocks@cover
    \thesis@blocks@titlePage
  \thesis@blocks@frontMatter
```

In KISK theses, the bibliographical entry, the abstract, and the keywords will be included after the cover matter.

```
    \ifx\thesis@department\thesis@departments@kisk
      \thesis@blocks@bibEntry
      \thesis@blocks@abstract
      \thesis@blocks@abstractEn
      \thesis@blocks@keywords
      \thesis@blocks@keywordsEn
    \fi
    \thesis@blocks@declaration
    \thesis@blocks@thanks
```

In KISK theses, the lists of tables and figures will be included behind the bibliography rather than at the beginning of the document.

```
    \ifx\thesis@department\thesis@departments@kisk
      \thesis@blocks@toc
    \else
      \thesis@blocks@tables
    \fi}
\def\thesis@blocks@postamble{%
  \ifx\thesis@department\thesis@departments@kisk
```

In KISK theses, the lists of tables and figures will be included behind the bibliography rather than at the beginning of the document.

```
    \thesis@blocks@lot
    \thesis@blocks@lof
  \fi
  \thesis@blocks@bibliography}
```

3.5.6 The style files of the Faculty of Education

3.5.6.1 The `style/mu/fithesis-ped.sty` file

This is the style file for the theses written at the Faculty of Education at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the of the faculty[5].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-ped}[2016/04/18]
```

[5] See https://is.muni.cz/auth/do/ped/VPAN/pokdek/Pokyn_dekana_zaverecne_prace_finale__1_.pdf

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{FFA02F},
  tableEmph={HTML}{FFBB6B},
  tableOdd={HTML}{FFF1E0},
  tableEven={HTML}{FFDEB7}}
```

The bibliography support is enabled. The `numeric` citations are used and the bibliography is sorted by name, title, and year.

```
\thesis@bibliography@setup{
  style=iso-numeric,
  sorting=nty}
\thesis@bibliography@load
```

The style file configures the title page header to include the department name and the title page content to include the advisor's name.

```
\thesis@blocks@titlePage@department@true
\def\thesis@blocks@titlePage@content{%
    {\thesis@titlePage@Huge\bf\thesis@TeXtitle\par\vfil}\vskip 0.8in
    {\thesis@titlePage@large\sc\thesis@@{typeName}\\[0.3in]}
    {\thesis@titlePage@Large\bf\thesis@author}
    % Typeset the name of the thesis advisor.
    {\thesis@titlePage@large\\[0.3in]
      {\bf\thesis@@{advisorTitle}:} \thesis@advisor}}
```

All blocks within the autolayout preamble and postamble that are not defined within this file are defined in the `style/mu/fithesis-base.sty` file.

```
\def\thesis@blocks@preamble{%
  \thesis@blocks@coverMatter
    \thesis@blocks@cover
    \thesis@blocks@titlePage
  \thesis@blocks@frontMatter
    \thesis@blocks@bibEntry
    \thesis@blocks@abstract
    \thesis@blocks@abstractEn
    \thesis@blocks@keywords
    \thesis@blocks@keywordsEn
    \thesis@blocks@declaration
    \thesis@blocks@thanks
    \thesis@blocks@tables}
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography}
```

3.5.7 The style files of the Faculty of Social Studies

3.5.7.1 The `style/mu/fithesis-fss.sty` file

This is the style file for the theses written at the Faculty of Social Studies at the Masaryk University in Brno. Because of the inexistence of faculty-wide formal requirements and recommendations with each department defining their own

with varying degrees of rigour[6], this style is a mere skeleton, which is unlikely to satisfy the exact requirements of any department and will require modification by the user.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-fss}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{58EDD7},
  tableEmph={HTML}{69D6C6},
  tableOdd={HTML}{E3F1EE},
  tableEven={HTML}{C5E3DF}}
```

The bibliography support is enabled. The `authoryear` citations are used and the bibliography is sorted by name, title, and year.

```
\thesis@bibliography@setup{
  style=iso-authoryear,
  sorting=nty}
\thesis@bibliography@load
```

`\thesis@blocks@frontMatter` The `\thesis@blocks@frontMatter` macro sets up the style of the front matter of the thesis.

```
\def\thesis@blocks@frontMatter{%
  \pagestyle{plain}
  \parindent 1.5em
  \setcounter{page}{1}
  \pagenumbering{roman}}
```

All blocks within the autolayout preamble and postamble that are not defined within this file are defined in the `style/mu/fithesis-base.sty` file.

```
\def\thesis@blocks@preamble{%
  \thesis@blocks@coverMatter
    \thesis@blocks@cover
    \thesis@blocks@titlePage
  \thesis@blocks@frontMatter
    \thesis@blocks@clearRight
      \thesis@blocks@abstract
      \thesis@blocks@abstractEn
      \thesis@blocks@keywords
      \thesis@blocks@keywordsEn
    \thesis@blocks@assignment
    \thesis@blocks@declaration
    \thesis@blocks@thanks
    \thesis@blocks@tables}
```

[6] See http://psych.fss.muni.cz/node/351, http://medzur.fss.muni.cz/informace-pro-studenty/pravidla-pro-diplomky/soubory/PravidlaprozaverecnepracenaKMSZ-ver.2-83.doc, http://soc.fss.muni.cz/?q=node/44, http://polit.fss.muni.cz/informace-pro-studenty/pol/, http://humenv.fss.muni.cz/studium/bakalarske-studium/pravidla-pro-vypracovani-bakalarske-prace

```
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography}
```

3.5.8 The style files of the Faculty of Law

3.5.8.1 The `style/mu/fithesis-law.sty` file

This is the style file for the theses written at the Faculty of Law at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[7].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-law}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{CF86EB},
  tableEmph={HTML}{D39BE8},
  tableOdd={HTML}{F2EBF5},
  tableEven={HTML}{E5CCED}}
```

The bibliography support is enabled. The `authoryear` citations are used and the bibliography is sorted by name, year, and title.

```
\thesis@bibliography@setup{%
  style=iso-authoryear,
  sorting=nyt}
\thesis@bibliography@load
```

The style file configures the cover and title page headers to include only the faculty name and the department name. Along with the macros required by the locale file interface, the locale files need to define the following strings:

- `facultyLongName` – The name of the faculty combined with the name of the university.

```
\def\thesis@blocks@cover@header{%
  {\sc\thesis@titlePage@Large\thesis@@{facultyLongName}\\%
    \thesis@titlePage@large\thesis@department@name\\\vskip 2em}}
\let\thesis@blocks@titlePage@header=\thesis@blocks@cover@header
```

`\thesis@blocks@frontMatter` The `\thesis@blocks@frontMatter` macro sets up the style of the front matter of the thesis. The page numbering is arabic in accordance with the formal requirements of the faculty.

```
\def\thesis@blocks@frontMatter{%
  \thesis@blocks@clear
  \pagestyle{plain}
  \parindent 1.5em
  \setcounter{page}{1}
  \pagenumbering{arabic}}
```

[7] See http://is.muni.cz/do/law/ud/predp/smer/S-07-2012.pdf

\thesis@blocks@mainMatter The \thesis@blocks@mainMatter macro sets up the style of the main matter of the thesis. The page numbering doesn't reset at the beginning of the main thesis in accordance with the formal requirements of the faculty.

```
\def\thesis@blocks@mainMatter{%
  \thesis@blocks@clear
  \pagestyle{thesisheadings}
  \parindent 1.5em\relax}
```

All blocks within the autolayout preamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
\def\thesis@blocks@preamble{%
  \thesis@blocks@coverMatter
    \thesis@blocks@cover
    \thesis@blocks@titlePage
  \thesis@blocks@frontMatter
    \thesis@blocks@declaration
    \thesis@blocks@clearRight
      \thesis@blocks@abstract
      \thesis@blocks@abstractEn
      \thesis@blocks@keywords
      \thesis@blocks@keywordsEn
    \thesis@blocks@thanks
    \thesis@blocks@tables}
```

All blocks within the autolayout postamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

```
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography
  \thesis@blocks@assignment}
```

3.5.9 The style files of the Faculty of Economics and Administration

3.5.9.1 The style/mu/fithesis-econ.sty file

This is the style file for the theses written at the Faculty of Economics and Administration at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[8].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-econ}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{F27995},
  tableEmph={HTML}{E8B88B},
  tableOdd={HTML}{F5ECEB},
  tableEven={HTML}{EBD8D5}}
```

[8] See http://is.muni.cz/auth/do/econ/predpisy/smernice/prehled/45931363/Smernice2014-9.pdf

The bibliography support is enabled. The authoryear citations are used and the bibliography is sorted by name, title, and year.

```
\thesis@bibliography@setup{
  style=iso-authoryear,
  sorting=nty}
\thesis@bibliography@load
```

The file loads the following packages:

- tikz – Used for dimension arithmetic.
- geometry – Allows for modifications of the type area dimensions.

In addition to this, the type area width is set to 16 cm in accordance with the formal requirements of the faculty. This leads to overfull lines and is against the good conscience of the author of this style.

```
\thesis@require{tikz}
\thesis@require{geometry}
\geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

\thesis@blocks@cover The \thesis@blocks@cover macro typesets the thesis cover.

```
\def\thesis@blocks@cover{%
  \ifthesis@cover@
    \thesis@blocks@clear
    \begin{alwayssingle}
      \thispagestyle{empty}
      \begin{center}
      {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
          \thesis@titlePage@Large\thesis@@{facultyName}\\}
      \vfill
      {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
      \vfill
      {\thesis@titlePage@large\thesis@place
       \ \thesis@year\hfill\thesis@author}
      \end{center}
    \end{alwayssingle}
  \fi}
```

The style file configures the title page header to include the name of the field of study and redefines the title page content not to include the author's name and the title page footer to include both the author's and advisor's name, the year and place of the thesis defense in accordance with the formal requirements of the faculty.

```
\thesis@blocks@titlePage@field@true
\def\thesis@blocks@titlePage@content{%
  {\thesis@titlePage@Huge\bf\thesis@TeXtitle}
  \ifthesis@english\else
    {\\[0.1in]\thesis@titlePage@Large\bf\thesis@TeXtitleEn}
  \fi {\\[0.3in]\thesis@titlePage@large\sc\thesis@@{typeName}\\}}
\def\thesis@blocks@titlePage@footer{%
```

```
{\thesis@titlePage@large
  {% Calculate the width of the thesis author and advisor boxes
   \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
     \bf\thesis@@{advisorTitle}:}}
   \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
   \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
     \bf\thesis@@{authorTitle}:}}
   \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
  \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
    max(\@A,\@B)}
  \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
    max(\@C,\@D)}
  % Typeset the thesis author and advisor boxes
  \vskip 2in\begin{minipage}[t]{\@left}
    {\bf\thesis@@{advisorTitle}:}\\\thesis@advisor
  \end{minipage}\hfill\begin{minipage}[t]{\@right}
    {\bf\thesis@@{authorTitle}:}\\\thesis@author
  \end{minipage}}\\[4em]\thesis@place, \thesis@year}}
```

\thesis@blocks@frontMatter The \thesis@blocks@frontMatter macro sets up the style of the front matter of the thesis. The page numbering is arabic as per the formal requirements and it is hidden. In case of double-sided typesetting, the geometry is altered according to the requirements of the faculty.

```
\def\thesis@blocks@frontMatter{%
  \thesis@blocks@clear
  % In case of double-sided typesetting, change the geometry
  \ifthesis@twoside@
    \newgeometry{top=25mm,bottom=20mm,left=35mm,
      right=15mm, includeheadfoot}
  \fi\pagestyle{empty}
  \parindent 1.5em
  \setcounter{page}{1}
  \pagenumbering{arabic}}
```

\thesis@blocks@mainMatter The \thesis@blocks@mainMatter macro sets up the style of the main matter of the thesis. The page numbering doesn't reset at the beginning of the main thesis as per the formal requirements.

```
\def\thesis@blocks@mainMatter{%
  \thesis@blocks@clear
  % In case of double-sided typesetting, change the geometry
  \ifthesis@twoside@
    \newgeometry{top=25mm,bottom=20mm,left=35mm,
      right=15mm, includeheadfoot}
  \fi\pagestyle{thesisheadings}
  \parindent 1.5em\relax}
```

\thesis@blocks@tables The \thesis@blocks@tables macro optionally typesets the \listoftables and \listoffigures.

```
\def\thesis@blocks@tables{%
```

```
  \thesis@blocks@lot
  \thesis@blocks@lof}
```

If the `nolot` and `nolof` options haven't been specified, the `\thesis@blocks@lot` and `\thesis@blocks@lof` macros are redefined to create an entry in the table of contents.

```
\ifx\thesis@blocks@lot\relax\else
  \def\thesis@blocks@lot{%
    \thesis@blocks@clear
    \phantomsection
    \addcontentsline{toc}{chapter}{\listtablename}%
    \listoftables}
\fi

\ifx\thesis@blocks@lof\relax\else
  \def\thesis@blocks@lof{%
    \thesis@blocks@clear
    \phantomsection
    \addcontentsline{toc}{chapter}{\listfigurename}%
    \listoffigures}
\fi
```

All blocks within the autolayout preamble that are not defined within this file are defined in the `style/mu/fithesis-base.sty` file.

```
\def\thesis@blocks@preamble{%
  \thesis@blocks@coverMatter
    \thesis@blocks@cover
  \thesis@blocks@frontMatter
    \thesis@blocks@titlePage
    \thesis@blocks@assignment
    \thesis@blocks@clearRight
      \thesis@blocks@abstract
      \thesis@blocks@abstractEn
      \thesis@blocks@keywords
      \thesis@blocks@keywordsEn
    \thesis@blocks@declaration
    \thesis@blocks@thanks
    \thesis@blocks@toc}
```

All blocks within the autolayout postamble that are not defined within this file are defined in the `style/mu/base.sty` file.

```
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography
  \thesis@blocks@tables}
```

3.5.10 The style files of the Faculty of Medicine

3.5.10.1 The `style/mu/fithesis-med.sty` file

This is the style file for the theses written at the Faculty of Medicine at the Masaryk University in Brno. It has been prepared in accordance with the formal require-

ments published at the website of the Department of Optometry and Orthoptics[9].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-med}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{F58E76},
  tableEmph={HTML}{FF9D85},
  tableOdd={HTML}{FFF5F6},
  tableEven={HTML}{FFDEDF}}
```

The bibliography support is enabled. The `authoryear` citations are used and the bibliography is sorted by year, name, and title.

```
\thesis@bibliography@setup{%
  style=iso-authoryear,
  sorting=ynt}
\thesis@bibliography@load
```

The file loads the following packages:

- tikz – Used for dimension arithmetic.
- geometry – Allows for modifications of the type area dimensions.
- setspace – Allows for line height modifications.

In addition to this, the type area width is set to 16 cm in accordance with the formal requirements of the faculty. This leads to overfull lines and is against the good conscience of the author of this style.

```
\thesis@require{tikz}
\thesis@require{geometry}
\thesis@require{setspace}
\geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}
```

`\thesis@blocks@cover` The `\thesis@blocks@cover` macro typesets the thesis cover.

```
\def\thesis@blocks@cover{%
  \ifthesis@cover@
    \thesis@blocks@clear
    \begin{alwayssingle}
      \thispagestyle{empty}
      \begin{center}
      {\sc\thesis@titlePage@LARGE\thesis@@{universityName}\\%
          \thesis@titlePage@Large\thesis@@{facultyName}\\}
      \vfill
      {\bf\thesis@titlePage@Huge\thesis@@{typeName}}
      \vfill
      {\thesis@titlePage@large\thesis@place
       \ \thesis@year\hfill\thesis@author}
      \end{center}
    \end{alwayssingle}
  \fi}
```

[9] See http://is.muni.cz/do/med/zpravyprac/Optometrie/NALEZITOSTI_ZAVERECNE_PRACE.doc

The style file redefines the title page content not to include the author's name and the title page footer to include both the author's and advisor's name, the field of study and the semester and place of the thesis defense in accordance with the requirements of the department.

```
\def\thesis@blocks@titlePage@content{%
  {\thesis@titlePage@Huge\bf\thesis@TeXtitle\\[0.3in]}%
  {\thesis@titlePage@large{\sc\thesis@@{typeName}}\\}}
\def\thesis@blocks@titlePage@footer{%
  {\thesis@titlePage@large
    {% Calculate the width of the thesis author and advisor boxes
     \let\@A\relax\newlength{\@A}\settowidth{\@A}{{%
       \bf\thesis@@{advisorTitle}:}}
     \let\@B\relax\newlength{\@B}\settowidth{\@B}{\thesis@advisor}
     \let\@C\relax\newlength{\@C}\settowidth{\@C}{{%
       \bf\thesis@@{authorTitle}:}}
     \let\@D\relax\newlength{\@D}\settowidth{\@D}{\thesis@author}
     \let\@E\relax\newlength{\@E}\settowidth{\@E}{{%
       \bf\thesis@@{fieldTitle}:}}
     \let\@F\relax\newlength{\@F}\settowidth{\@F}{\thesis@field@name}
    \let\@left\relax\newlength{\@left}\pgfmathsetlength{\@left}{%
      max(\@A,\@B)}
    \let\@right\relax\newlength{\@right}\pgfmathsetlength{\@right}{%
      max(\@C,\@D,\@E,\@F)}
    % Typeset the thesis author and advisor boxes
    \vskip 2in\begin{minipage}[t]{\@left}
      {\bf\thesis@@{advisorTitle}:}\\\thesis@advisor
    \end{minipage}\hfill\begin{minipage}[t]{\@right}
      {\bf\thesis@@{authorTitle}:}\\\thesis@author
        \\[1em]{\bf\thesis@@{fieldTitle}:}\\\thesis@field@name
    \end{minipage}}\\[4em]\thesis@place, \thesis@@{semester}}}
```

`\thesis@blocks@frontMatter` The `\thesis@blocks@frontMatter` macro sets up the style of the front matter of the thesis. The page numbering is arabic in accordance with the formal requirements and it is hidden. In case of double-sided typesetting, the geometry is altered according to the requirements of the faculty.

```
\def\thesis@blocks@frontMatter{%
  \thesis@blocks@clear
  % In case of double-sided typesetting, change the geometry
  \ifthesis@twoside@
    \newgeometry{top=25mm,bottom=20mm,left=35mm,
      right=15mm, includeheadfoot}
  \fi\pagestyle{empty}
  \parindent 1.5em
  \setcounter{page}{1}
  \pagenumbering{roman}}
```

`\thesis@blocks@mainMatter` The `\thesis@blocks@mainMatter` macro sets up the style of the main matter of the thesis. The leading is adjusted in accordance with the requirements of the faculty.

```
\def\thesis@blocks@mainMatter{%
```

```
  \thesis@blocks@clear
  % In case of double-sided typesetting, change the geometry
  \ifthesis@twoside@
    \newgeometry{top=25mm,bottom=20mm,left=35mm,
      right=15mm, includeheadfoot}
  \fi\setcounter{page}{1}
  \pagenumbering{arabic}
  \pagestyle{thesisheadings}
  \parindent 1.5em
  \onehalfspacing}
```

All blocks within the autolayout preamble and postamble that are not defined within this file are defined in the `style/mu/fithesis-base.sty` file.

```
\def\thesis@blocks@preamble{%
  \thesis@blocks@coverMatter
    \thesis@blocks@cover
  \thesis@blocks@frontMatter
    \thesis@blocks@titlePage
    \onehalfspacing
    \thesis@blocks@clearRight
      \thesis@blocks@abstract
      \thesis@blocks@abstractEn
      \thesis@blocks@keywords
      \thesis@blocks@keywordsEn
    \thesis@blocks@bibEntry
    \thesis@blocks@declaration
    \thesis@blocks@thanks
    \thesis@blocks@tables}
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography}
```

3.5.11 The style files of the Faculty of Sports Studies

3.5.11.1 The `style/mu/fithesis-fsps.sty` file

This is the style file for the theses written at the Faculty of Sports Studies at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the faculty[10].

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-fsps}[2016/04/18]
```

The file defines the color scheme of the respective faculty.

```
\thesis@color@setup{
  links={HTML}{93BCF5},
  tableEmph={HTML}{A8BDE3},
  tableOdd={HTML}{EBEFF5},
  tableEven={HTML}{D1DAEB}}
```

[10] See http://www.fsps.muni.cz/~korvas/pokyny_k_zaverecne_praci.doc

The bibliography support is enabled. The `authoryear` citations are used and the bibliography is sorted by name, title, and year.

```
\thesis@bibliography@setup{
  style=iso-authoryear,
  sorting=nty}
\thesis@bibliography@load
```

The style file configures the title page header to include the field name.

```
\thesis@blocks@titlePage@field@true
```

All blocks within the autolayout preamble and postamble that are not defined within this file are defined in the `style/mu/fithesis-base.sty` file.

```
\def\thesis@blocks@preamble{%
  \thesis@blocks@coverMatter
    \thesis@blocks@cover
    \thesis@blocks@titlePage
  \thesis@blocks@frontMatter
    \thesis@blocks@declaration
    \thesis@blocks@thanks
    \thesis@blocks@tables}
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography}
```

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Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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General: A complete refactoring of the class. The class was decomposed into a base class, locale files and style files. [VN] 217
v0.3.10
General: Fixed a typo in the technical documentation. Updated the *Advanced usage* chapter of the user guide. The required packaged listed in Section 2.2 of the user guide are now always correct. Adjusted the footer spacing in the styles of econ and fi. Added *Advanced usage* chapter to the user guide. Added the description of basic options into the user guide. Added the `table` and `oldtable` options. Added the `type` field to the guide for completeness. [VN] 217
v0.3.11
General: Added hyphenation into the technical documentation. Fixed an unterminated group. Polished the text of the guide. Added the `palatino` and `nopalatino` options. Stylistic changes to the text of the technical documentation. `\thesis@subdir` is now robust against relative paths. Accounted for French spacing in the guide. Fixed the `thesis@english@facultyName` string. Documentation refinements. [VN] 217
v0.3.12
General: The subsections and subsubsections now use the correct `tocdepth`. [VN] 217
v0.3.13
General: Fixed an inconsistency in the example code. Removed an extraneous `\thesis@blocks@clear` block withing the definition of `\thesis@blocks@frontMatter` in the fss style file. Added comments, fixed clubs and widows and removed text overflows within the user guides. Adjusted the colors of various style files. Removed the trailing dot in the bibliographic identification within the med and ped style files. Fixed a typo within the technical documentation. Fixed the twoside alignment of the `\thesis@blocks@bibEntry` and the `\thesis@blocks@bibEntryEn` blocks within the sci style file. The `\thesis@blocks@assignment` block no longer clears a page when nothing is inserted. It is also no longer hard-coded to be hidden for rigorous theses. Instead, the `\ifthesis@blocks@assignment` conditional can be set either by the subsequently loaded style files or by the user. So far, only the fi and sci style files set the conditional. [VN] 217
v0.3.14
General: Updated the documentation. [VN] 217
v0.3.15
General: Renamed `\thesis@requireStyle` to `\thesis@requireWithOptions` and moved the style loader from the `\thesis@load` routine to a new `\thesis@requireStyle` macro to make the semantics of `\thesis@requireLocale` and `\thesis@requireStyle` more similar. Changed the `basepath`, `logopath`, `localepath` and `stylepath` keys to match the lower camelcasing of the rest of

the keys. Added further description regarding the use of the assignment key. [VN] . . . 217
v0.3.16
General: Clubs and widows are now set to be infinitely bad. The assignment key has weaker, but more robust semantics now. [VN] 217
v0.3.17
General: Changed a forgotten \thesis@@lower{...} invocation in the definition of \thesis@czech@declaration for the Faculty of Arts into \thesis@@lower{czech@...}, so that the macro always expands to the correct output regardless of the current locale. This is merely a matter of consistency, since the style file of the Faculty of Arts only uses Czech strings within the Czech locale. Removed an extraneous comment. Fixed a unit test. Fixed a changelog entry. [VN] 217
v0.3.18
General: A bulk of changes required to submit the document class to CTAN: Changed the structure of the output fithesis3.ctan.zip archive. Updated the license notice. Added a README file. Canonicalized a url within the user guides. Renamed the root directory from fithesis3/ to fithesis/. Refactored the makefiles. Added developer example files. Renamed docstrip.cfg to LICENSE.tex to better describe its role. The fithesis.dtx file now generates a VERSION.tex file containing the version of the package, when it's being typeset. Flattened the logo/ directory structure. [VN] 217
v0.3.19
General: Updated the license. Added the fithesis- prefix to locale files. Proof-read and updated the documentation. Encapsulated the localeInheritance and styleInheritance setters. Added the \thesis@selectLocale{...}, which acts as a replacement for \def\thesis@locale{...}, which also switches hyphenation patterns. The macro definitions inside locale files are now global to account for the fact that it now makes sense to include locale files on-site (and therefore possibly inside a group) using the \thesis@selectLocale. The class files are now generated using the XeTeX engine, which preserves the characters outside ASCII. [VN] 217
v0.3.20
General: Removed an extraneous \hypersetup option to eliminate a warning. Performed several minor Makefile updates. Updated the technical documentation. [VN] 217
v0.3.21
General: Fixed an invalid font name. [VN] 217
v0.3.22
General: Updated the link colors in the style of the Faculty of Economics and Administration at the Masaryk University in Brno and fixed the title page leading in the style of the Faculty of Science at the Masaryk University in Brno. [VN] 217
v0.3.23
General: Fixed a typo in the Slovak locale. [VN] 217
v0.3.24
General: Added the \thesis@backend tunable. The hyphenation pattern switching

now uses polyglossia instead of crude \language switching wherenever possible. Added the opt-out microtype class option, which loads the microtypographic extension. The \thesis@*locale*@summer and @winter locale macros were renamed to @spring and @fall. The \thesis@parseDate now uses more realistic month ranges to set \thesis@season and \thesis@academicYear. Removed the extraneous indent in the \thesis@blocks@declaration macro definition within the style/mu/fithesis-fi.sty style file. \paragraphs are not included in the table of contents by default. The table class option now supports the tabu environment. The list of tables and the list of figures now have an entry in the table of contents for the style/mu/fithesis-econ.sty style file. [VN] 217
v0.3.25
General: The example documents from the example directory are now a part of the CTAN archive. Additional information were inserted into the guide and to the example files. [VN] 217
v0.3.26
General: Updated the example documents and the user guide. Fixed a typo in the description of \thesis@season. [VN] . . . 217
v0.3.27:1
General: Fixed a typo in the guide. Added a compatibility layer for \title, \author, and \maketitle. Minor changes of the documentation. [VN] . . . 217
v0.3.27:2
General: \thesis@selectLocale is no longer performed globally for the entire document during \thesis@load (effectively overriding the user's hyphenation settings, if Babel's or Polyglossia's \languagename differs from \thesis@locale). Instead, \thesis@preamble and @postamble now locally switch the locale and expand \thesis@blocks@preamble and @postamble, which are the new redefinables. Since this breaks the behaviour of \thesis@blocks@mainMatter, whose effects would also be local, @mainMatter is now executed directly by \thesis@preamble after closing the group and becomes a new part of the interface between the class and the style files. [VN] 217
v0.3.27:3
General: As a preparation for the future inclusion of bibliography support, the csquotes package is loaded, @csquotesStyle is a new part of the locale interface that sets the csquotes style of a locale, and \thesis@selectLocale now switches the csquotes style. [VN] 217
v0.3.27:4
General: \thesis@english@declaration now uses the correct idiom (by one's own → on one's own). [VN] 217
v0.3.27:5
General: The PDF bookmarks are no longer garbled, when the LuaTEX engine is used. [VN] . 217
v0.3.28:1
General: The draft option has no longer an effect on the microtype package. The \thesis@require command now also takes an optional argument and the \thesis@requireWithOption

command has become `\thesis@requireIfExists`. [VN] 217
v0.3.28:2
General: If the thesis locale and the document locale is the same (the default behaviour), the `\thesis@selectLocale` macro is applied globally at the beginning of the document. As a result, the csquotes style is automatically set for the entire document. [VN] 217
v0.3.29:1
General: The initial pages of the styles of the Masaryk University in Brno are no longer page-numbered, so that hyperref links work correctly. [VN] 217
v0.3.29:2
General: The `printed` and `digital` class options, which set all the options appropriate for either the printed or the digital versions of a document, are now available for the style files of the Masaryk University in Brno. [VN] 217
v0.3.29:3
General: The `table` class option for the style files of the Masaryk University in Brno now loads all the required packages and changes the table measurements even when the `color` option is not specified. [VN] 217
v0.3.30
General: The `\thesis@seasonYear` macro has been added, which, unlike `\thesis@year` takes into account the fact that January and Fabruary of the year n still belong to the fall semester of the year $n - 1$. [VN] 217
v0.3.31:1
General: The redefinitions of `\appendix` from the `style/mu/fithesis-1*.clo` files, which broke hyperref links to appendices, were removed. [VN] 217
v0.3.31:2
General: All trailing `%`s were removed. Some of the inherited fithesis2 code in the `style/mu/fithesis-1*.clo` and `style/mu/fithesis-base.sty` files was refactored and reformatted. Alternative templates for the Faculty of Science at the Masaryk University in Brno are now mentioned in the respective user guide. [VN] 217
v0.3.31:3
General: The `style/mu/fithesis-sci.sty` style file redefines `\thesis@blocks@declaration` to include a formatted date and an author's signature field. The locale file `style/mu/sci/czech.def` contains a new string `\thesis@czech@formattedDate`. [VN] 217
v0.3.32
General: Fixed a regression from v0.3.27:2 – The margins in `\thesis@blocks@mainMatter` were corrected in the style files of the Faculty of Economics and Administration and the Faculty of Medicine at the Masaryk University in Brno. 217
v0.3.33
General: Added `\thesis@patch`. . . 217
v0.3.34
General: Added visual tests of output PDFs. The `test/` directory is now also uses the *university/faculty* path scheme employed by the rest of the package. 217
v0.3.35:1
General: Added support for the Division of Information and

Library Studies of the Faculty of Arts at the Masaryk University in Brno. This support is enabled by specifying \thesis@department to be kisk. 217
v0.3.35:2
General: Added support for seminar papers on the fithesis3 class level. The style files for the faculties of the Masaryk University in Brno do not provide any special handling of this thesis type yet. 217
v0.3.35:3
General: Fixed \l@*locale* being possibly undefined in a LuaLaTeX run. 217
v0.3.36
General: The \thesis@load macro has been lifted to the public API as \thesisload. 217
v0.3.37
General: The \tableofcontents in the style files of the Masaryk University in Brno now correctly handles all tocdepth values. The expansion of \part also no longer results in a hyperref-related error in the style files of the Masaryk University in Brno. 217