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 Xe\TeX engine.
- ifluatex – Used to detect the Lua\TeX engine.
- inputenc – Used to enable the input UTF-8 encoding. This package does not get loaded under the Xe\TeX and Lua\TeX 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 [$\langle \text{options} \rangle$] 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.

The class options specify the form of the document.

2.2 The \thesissetup macro

\thesissetup The main public macro is the \thesissetup{$\langle \text{keyvals} \rangle$} 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 the macro is expanded, the key=value pairs are processed.

Contrary to the class options, the key=value pairs of the \thesissetup macro specify metainformation about the document.

\begin{verbatim}
\long\def\thesissetup#1{
  \setkeys{thesis}{#1}}
\end{verbatim}

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/.

\begin{verbatim}
\def\thesis@basepath{fithesis/}
\define@key{thesis}{basePath}{
  \ifx\thesis@empty#1\thesis@empty
  \def\thesis@basepath{}
  \else
  \def\thesis@basepath{#1/}
  \fi}
\end{verbatim}

2.2.2 The logoPath key

\thesis@logopath 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/.

\begin{verbatim}
\def\thesis@logopath{\thesis@basepath logo/thesis@university/}
\define@key{thesis}{logoPath}{
  \def\thesis@logopath{\thesis@subdir#1}
  \empty\empty\empty\empty}
\end{verbatim}
2.2.3 The \texttt{stylePath} key

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

\begin{verbatim}
26 \def\thesis@stylepath{\thesis@basepath style/}
27 \define@key{thesis}{stylePath}{%
28 \def\thesis@stylepath{\thesis@subdir#1%
29 \empty\empty\empty\empty}}
\end{verbatim}

2.2.4 The \texttt{localePath} key

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

\begin{verbatim}
30 \def\thesis@localepath{\thesis@basepath locale/}
31 \define@key{thesis}{localePath}{%
32 \def\thesis@localepath{\thesis@subdir#1%
33 \empty\empty\empty\empty}}
\end{verbatim}

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

\begin{verbatim}
34 \def\thesis@subdir#1#2#3#4\empty{% 
35 \ifx#1\empty% <empty> -> <basepath> 
36 \thesis@basepath 
37 \else
38 \ifx#1/
39 \ifx#2\empty% / -> /
40 /%
41 \else% /<path> -> /<path>/
42 #1#2#3#4%
43 \fi
44 \else
45 \ifx#1.
46 \ifx#2\empty% . -> .
47 .%
48 \else
49 \ifx#2.
50 \ifx#3\empty% .. -> ..
51 ..%
52 \else
53 ..<path> -> ../<path>/
54 ..#/4%
55 \else
56 \thesis@basepath#1#2#3#4%
\end{verbatim}
The \thesis@def\[\langle key\rangle\]{\langle name\rangle} 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.

\thesis@declaration

2.2.5 The declaration key

The \thesis@declaration{\langle declaration=text\rangle} 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}.

\thesis@if\thesis@woman

2.2.6 The gender key

The \thesis@if\thesis@woman{\langle gender=char\rangle} 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 \thesis@if\thesis@woman conditional. The implicit gender is male.
\thesis@author 2.2.7 The author key

The \{author=\textit{name}\} pair sets the author’s full name to \textit{name}. The \textit{name} is parsed 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 \texttt{author} macro also sets this key.

\thesis@id 2.2.8 The id key

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

\thesis@type 2.2.9 The type key

The \{type=\textit{type}\} pair sets the type of the thesis to \textit{type}. The following types of theses are recognized:

<table>
<thead>
<tr>
<th>The thesis type</th>
<th>The value of type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar paper</td>
<td>\texttt{sem}</td>
</tr>
<tr>
<td>Bachelor’s thesis</td>
<td>\texttt{bc}</td>
</tr>
<tr>
<td>Master’s thesis</td>
<td>\texttt{mgr}</td>
</tr>
<tr>
<td>Thesis proposal</td>
<td>\texttt{prop}</td>
</tr>
<tr>
<td>Doctoral thesis</td>
<td>\texttt{d}</td>
</tr>
<tr>
<td>Rigorous thesis</td>
<td>\texttt{r}</td>
</tr>
</tbody>
</table>
The `type` is stored within the \thesis@type macro, whose implicit value is \thesis@bachelors. 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@proposal, \thesis@doctoral and \thesis@rigorous macros containing the corresponding `type` values are available as a part of the private API.

\begin{verbatim}
\def\thesis@sempaper{sem}
\def\thesis@bachelors{bc}
\def\thesis@masters{mgr}
\def\thesis@proposal{prop}
\def\thesis@doctoral{d}
\def\thesis@rigorous{r}
\let\thesis@type\thesis@bachelors
\define@key{thesis}{type}{\def\thesis@type{#1}}
\end{verbatim}

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 \thesis@university{mu}. This value corresponds to the Masaryk University in Brno.

\begin{verbatim}
\def\thesis@university{mu}
\define@key{thesis}{university}{\def\thesis@university{#1}}
\end{verbatim}

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 `identifiers` are recognized at the Masaryk University in Brno:

<table>
<thead>
<tr>
<th>The faculty</th>
<th>The domain name</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Faculty of Informatics</td>
<td>fi</td>
</tr>
<tr>
<td>The Faculty of Science</td>
<td>sci</td>
</tr>
<tr>
<td>The Faculty of Law</td>
<td>law</td>
</tr>
<tr>
<td>The Faculty of Economics and Administration</td>
<td>econ</td>
</tr>
<tr>
<td>The Faculty of Social Studies</td>
<td>fss</td>
</tr>
<tr>
<td>The Faculty of Medicine</td>
<td>med</td>
</tr>
<tr>
<td>The Faculty of Education</td>
<td>ped</td>
</tr>
<tr>
<td>The Faculty of Arts</td>
<td>phil</td>
</tr>
<tr>
<td>The Faculty of Sports Studies</td>
<td>fsps</td>
</tr>
</tbody>
</table>

The `identifier` is stored within the \thesis@faculty macro, whose implicit value is \thesis@faculty{fi}.

\begin{verbatim}
\def\thesis@faculty{fi}
\end{verbatim}
2.2.12 The department key

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

2.2.13 The departmentEn key

The \{\langle departmentEn = \text{name} \rangle \} pair sets the English name of the department, at which the thesis is being written, to \text{name}. The \text{name} is stored within the \thesis@departmentEn macro.

2.2.14 The programme key

The \{\langle programme = \text{name} \rangle \} pair sets the name of the author’s study programme to \text{name}. Unlike the university and faculty identifiers, the programme \text{name} is only used for typesetting and it should therefore be specified in plain language with optional \TeX macros. The \text{name} is stored within the \thesis@programme macro.

2.2.15 The programmeEn key

The \{\langle programmeEn = \text{name} \rangle \} pair sets the English name of the author’s study programme to \text{name}. The \text{name} is stored within the \thesis@programmeEn macro.
\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@fieldEn 2.2.17 The fieldEn key

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

\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.

\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.
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).

\begin{verbatim}
\def\thesis@style{\thesis@university/fithesis-\thesis@faculty}
\define@key{thesis}{style}{\thesis@style=filename}
\end{verbatim}

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 \thesis@style@inheritance \else \fi conditional. Inheritance is enabled for style files by default.

\begin{verbatim}
\newif\thesis@style@inheritance\thesis@style@inheritance\true
\define@key{thesis}{styleInheritance}{\thesis@style\if\thesis@style@inheritance\thesis@style@inheritance\true\else\thesis@style@inheritance\false\fi}
\end{verbatim}

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).

\begin{verbatim}
\def\thesis@locale{\% Babel / polyglossia detection\if\languagename\undefined\english\else\languagename\fi}
\define@key{thesis}{locale}{\thesis@locale=locale}
\end{verbatim}

\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
\thesis@locale@inheritance

\thesis@locale@inheritance

2.2.23 The \texttt{localeInheritance} key

The \{\texttt{localeInheritance=bool}\} pair either enables, if \texttt{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.

2.2.24 The \texttt{date} key

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

- \thesis@date – The entire \texttt{date}
- \thesis@year – The YYYY of \texttt{date}
- \thesis@month – The MM of \texttt{date}
- \thesis@day – The DD of \texttt{date}
- \thesis@season – Expands to either:
  - spring if 2 < MM < 9,
\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}%
\else \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}\
\edef\thesis@parseDate{\thesis\@parseDate\thesis\@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 \textit{place}. The \textit{place} is stored within the \thesis@place macro, whose implicit value is Brno.

\def\thesis@place{Brno}
\define@key{thesis}{place}{\thesis@place{#1}}

\thesis@title 2.2.26 The title key

The \{title=title\} pair sets the title of the thesis to \textit{title}. The \textit{title} is stored within the \thesis@title macro. The standard \LaTeX \texttt{title} macro also sets this key.

\makeatletter
\let\maketitle\relax
\makeatother

\thesis@TeXtitle 2.2.27 The TeXtitle key

The \{TeXtitle=title\} pair sets the \TeX title of the thesis to \textit{title}. The \textit{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 \textit{title} is stored within the \thesis@TeXtitle macro, whose implicit value is \thesis@title.

\def\thesis@TeXtitle{\thesis@title}
\define@key{thesis}{TeXtitle}{\thesis@TeXtitle{#1}}

\thesis@titleEn 2.2.28 The titleEn key

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

\thesis@def{titleEn}
\define@key{thesis}{titleEn}{\thesis@titleEn{#1}}
\thesis@TeXtitleEn 2.2.29 The \TeXtitleEn key

The (\TeXtitleEn=title) pair sets the English \TeX{} title of the thesis to \textit{title}. The \textit{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 \textit{title} is stored within the \thesis@TeXtitleEn macro, whose implicit value is \thesis@titleEn.

\begin{verbatim}
233 \def\thesis@TeXtitleEn{\thesis@titleEn}
234 \define@key{thesis}{TeXtitleEn}{% 
235 \def\thesis@TeXtitleEn{#1}}
\end{verbatim}

\thesis@keywords 2.2.30 The keywords key

The (\keywords=list) pair sets the keywords of the thesis to the comma-delimited \textit{list}. The \textit{list} is stored within the \thesis@keywords macro.

\begin{verbatim}
236 \thesis@def{keywords}
237 \define@key{thesis}{keywords}{% 
238 \def\thesis@keywords{#1}}
\end{verbatim}

\thesis@TeXkeywords 2.2.31 The \TeXkeywords key

The (\TeXkeywords=list) pair sets the \TeX{} keywords of the thesis to the comma-delimited \textit{list}. The \textit{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 \textit{list} is stored within the \thesis@TeXkeywords macro.

\begin{verbatim}
239 \def\thesis@TeXkeywords{\thesis@keywords}
240 \define@key{thesis}{TeXkeywords}{% 
241 \def\thesis@TeXkeywords{#1}}
\end{verbatim}

\thesis@keywordsEn 2.2.32 The keywordsEn key

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

\begin{verbatim}
242 \thesis@def{keywordsEn}
243 \define@key{thesis}{keywordsEn}{% 
244 \def\thesis@keywordsEn{#1}}
\end{verbatim}

\thesis@TeXkeywordsEn 2.2.33 The \TeXkeywordsEn key

The (\TeXkeywordsEn=list) pair sets the English \TeX{} keywords of the thesis to the comma-delimited \textit{list}. The \textit{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 \textit{list} is stored within the \thesis@TeXkeywordsEn macro.

\begin{verbatim}
245 \def\thesis@TeXkeywordsEn{\thesis@keywordsEn}
246 \define@key{thesis}{TeXkeywordsEn}{% 
247 \def\thesis@TeXkeywordsEn{#1}}
\end{verbatim}
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.

\begin{verbatim}
\thesis@def{abstract}
\long\def\KV@thesis@abstract#1{\%}
\long\def\thesis@abstract{#1}
\end{verbatim}

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.

\begin{verbatim}
\thesis@def{abstractEn}
\long\def\KV@thesis@abstractEn#1{\%}
\long\def\thesis@abstractEn{#1}
\end{verbatim}

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.

\begin{verbatim}
\thesis@def{advisor}
\define@key{thesis}{advisor}{\def\thesis@advisor{#1}}
\end{verbatim}

2.2.37 The thanks key

The `{thanks=text}` pair sets the acknowledgements text to `text`. The `text` is stored within the `\thesis@thanks` macro.

\begin{verbatim}
\long\def\KV@thesis@thanks#1{\%}
\long\def\thesis@thanks{#1}
\end{verbatim}

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.

\begin{verbatim}
\define@key{thesis}{assignment}{\%}
\def\thesis@assignmentFiles{#1}
\end{verbatim}

When the `\thesis@assignmentFiles` macro is defined and non-empty, the style files should take that as a cue that the user wishes to typeset the thesis assignment.
\thesis@bibFiles

2.2.39 The bib key

The \{bib=list\} pair sets the comma-delimited list of paths to the BIB files containing the bibliography databases to list. The list is stored within the \thesis@bibFiles macro.

260 \define@key{thesis}{bib}{\%}
261 \def\thesis@bibFiles{#1}\%

When the \thesis@bibFiles macro is defined and non-empty, the style files should take that as a cue that the user wishes to typeset the bibliography.

\ifthesis@auto

2.2.40 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.

262 \newif\ifthesis@auto\thesis@autotrue
263 \define@key{thesis}{autoLayout}[true]{\%}
264 \def\@true{true}\%
265 \def\@arg{#1}\%
266 \ife\@true\@arg\%
267 \thesis@autotrue
268 \else
269 \thesis@autofalse
270 \fi}

\thesis@pages@preamble

The \thesis@pages@preamble macro contains the last page number within the preamble of the document. During the first \TeX\ compilation, the macro expands to ??.

271 \ife\thesis@pages@preamble\undefined
272 \def\thesis@pages@preamble{??}\fi

\thesis@pages@postamble

The \thesis@pages@postamble macro contains the last page number prior to the postamble of the document. During the first \TeX\ compilation, the macro expands to ??.

273 \ife\thesis@pages@postamble\undefined
274 \def\thesis@pages@postamble{??}\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; the latter two macros are to be redefined by the loaded style files.

After expanding \thesis@blocks@preamble inside a \TeX\ group, the \thesis@preamble macro defines the \thesis@pages@preamble macro, writes the definition to the auxiliary file, and clears the page. After leaving the group, the \thesis@preamble
sets up the style of the main matter by expanding the \thesis@blocks@mainMatter macro.

\def\thesis@preamble{%
  \thesis@selectLocale{\thesis@locale}%
  \thesis@blocks@preamble
  \gdef\thesis@pages@preamble{\thepage}
  \write\@auxout{\noexpand\gdef\noexpand\thesis@pages@preamble{\thepage}}
  \clearpage
} \thesis@blocks@mainMatter

\let\thesis@blocks@preamb\relax
\let\thesis@blocks@mainMatter\relax
% \end{macro}

% Before expanding |\thesis@blocks@postamble| inside a \TeX{} group, the |\thesis@postamble| macro defines the
% \cs{thesis@pages@postamble} macro, writes the definition to the
% auxiliary file, and clears the page.
% \changes{v0.3.50}{2018/03/25}{Make writes immediate, so that they
% do not get lost when they occur at an empty page. [VN]}
% \begin{macrocode}
\def\thesis@postamble{%
  \gdef\thesis@pages@postamble{\thepage}
  \immediate\write\@auxout{\noexpand\gdef\noexpand\thesis@pages@postamble{\thepage}}
  \thesis@selectLocale{\thesis@locale}%
  \thesis@blocks@postamble}
\end{macrocode}
\let\thesis@blocks@postamble\relax

2.2.41 The extra key

The \{(\texttt{extra=⟨keyvals⟩})\} pair enables the definition of extra data fields, where
\texttt{keyvals} is a comma-delimited list of \texttt{key=value} pairs as defined by the keyval package.
For each \texttt{key=value} pair, a \texttt{\thesis@extra@key} is defined to be \texttt{value}. These extra
data fields are provided as a unified interface for passing additional data to the
style and locale files.

\def\thesis@extra@KV@prefix{KV@thesis@extra@}
\def\thesis@extra@XKV@fams{thesis@extra}
\long\def\KV@thesis@extra#1{%
  Patch the xkeyval package to support unknown keys.
\long\def\XKV@prefix{KV@thesis@extra@}
\long\def\thesis@extra@XKV@fams{thesis@extra}
\long\def\KV@thesis@extra#1{%
\Patch the xkeyval package to support unknown keys.
\fi
\else
  \@expandtwoargs\in@{,\XKV@tkey,}{,\XKV@na,}%
\ifin@\else
\XKV@knftrue
\KV@@sp@def\XKV@tempa{##2}%
\ifXKV@preset\XKV@s@tk@ys@{##3}\else
\ifXKV@pl
  \XKV@for@eo\XKV@fams\XKV@tfam{%
    \XKV@makehd\XKV@tfam
    \XKV@s@tk@ys@{##3}%
  }%
\else
  \XKV@whilist\XKV@fams\XKV@tfam\ifXKV@knf\fi{%
    \XKV@makehd\XKV@tfam
    \XKV@s@tk@ys@{##3}%
  }%
\fi
\fi
\else
\ifXKV@knf
  \ifXKV@inpo
    \ifx\XKV@doxs\relax
      \if\@currext\@clsextension\else
        \let\CurrentOption\XKV@tkey\@unknownoptionerror
      \fi
    \else
      \XKV@doxs\fi
  \else
    \ifx\XKV@fams\thesis@extra\XKV@fams\expandafter\long\expandafter\def\csname thesis@extra@\XKV@tkey\endcsname{##2}\fi
  \fi
  \ifx\XKV@st
    \XKV@addtolist@o\XKV@rm\CurrentOption\fi
\else
  \if\XKV@fams\thesis@extra\XKV@fams\expandafter\long\expandafter\def\csname thesis@extra@\XKV@tkey\endcsname{##2}\fi
\fi
\fi
\else
  \XKV@err{\texttt{\XKV@tkey} undefined in families \texttt{\XKV@fams}}%
\fi
\fi
\fi
\else
  \ifXKV@inpo\ifx\XKV@testclass\XKV@documentclass
    \expandafter\XKV@useoption\expandafter{\CurrentOption}\
  \fi\fi
\fi
\fi
\fi
\setkeys{thesis@extra}{#1}%
\def\KV@prefix{KV@thesis@}}
Patch the `keyval` package to support unknown keys.

```
361 \longdef\KV@split#1=#2=#3\relax{% 
362 \KV@sp@def\tempa{#1} 
363 \ifx\tempa\@empty\else 
364 \expandafter\let\expandafter\tempc \csname\KV@prefix\tempa\endcsname 
365 \ifx\tempc\relax 
366 \ifx\KV@prefix\thesis@extra@KV@prefix 
367 \KV@@sp@def\tempb{#2}% 
368 \expandafter\let\csname thesis@extra@\tempa\endcsname 
369 \tempb% 
370 \else 
371 \KV@errx 
372 (@tempa\space undefined)\% 
373 \fi 
374 \else 
375 \ifx\empty\empty\empty 
376 \KV@default 
377 \else 
378 \KV@sp@def\tempb[#2]% 
379 \expandafter\expandafter\expandafter\relax 
380 \fi 
381 \fi 
382 \fi }
```

\thesis@def@extra The `\thesis@def@extra[\langle definition\rangle]{\langle name\rangle}` macro defines the `\thesis@extra@name` macro to expand to either `definition`, if specified, or to `\thesis@placeholder@extra@name`, where `\thesis@placeholder@extra@name` is defined to expand to «extra@name». If `\thesis@extra@name` has already been defined by the user, `\thesis@def@extra` has no effect.

```
384 \newcommand{\thesis@def@extra}[2][2][]{\% 
385 \expandafter\expandafter\expandafter\relax 
386 \def\thesis@placeholder@extra{<<<extra@#2>>>}% 
387 \expandafter\let\expandafter\thesis@placeholder@extra@#2\endcsname 
388 \thesis@placeholder@extra@#2\endcsname 
389 \thesis@placeholder@extra@#1\endcsname 
390 \expandafter\expandafter\expandafter\relax 
391 \thesis@placeholder@extra@#2\endcsname 
392 \thesis@placeholder@extra@#2\endcsname 
393 \thesis@placeholder@extra@#1\endcsname 
394 \thesis@placeholder@extra@#1\endcsname 
395 \thesis@placeholder@extra@#1\endcsname 
```

### 2.3 The `\thesislong` macro

`\thesislong` The public macro `\thesislong{\langle key\rangle}{\langle value\rangle}`, can be used as an alternative to the `\thesissetup{\langle key\rangle = \{\langle value\rangle\}}` public macro:
This macro is a relict of the time when \thesissetup did not accept multiparagraph input.

### 2.4 The \thesisload macro

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.

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.

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

Fix the value of the \ifthesis@english macro.

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

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 `2018/03/25 v0.3.50 fithesis3 MU thesis class`.

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. The definition of the `\thesis@pages` macro is also scheduled to be written to the auxiliary file at the end of the document.
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.

\thesis@input The \thesis@input{(file)} macro inputs the given file, if it exists.

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

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

\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.
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}}{}%\	hesis@@
\thesis@locale@inheritance
\thesis@input{\thesis@localepath fithesis-#1.def}%
\thesis@input{\thesis@localepath\thesis@university/\thesis@faculty/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.

\thesis@@

The \thesis@⟨locale⟩ 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.
\thesis@lower
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 \thesis@name gets fully expanded and can therefore contain active characters and command sequences.

\thesis@upper
\thesis@@lower and \thesis@@upper macros are used for upper- and lowercase 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 \thesis@name gets fully expanded and can therefore contain active characters and command sequences.

\thesis@head
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.

3.3 General purpose macros

\thesis@pages
The \thesis@pages macro contains the last page number within the document. During the first \TeX compilation, the macro expands 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.

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

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{elax}%
    \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.

27
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 acknowledgements 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
- \thesis@locale@authorSignature – The label of the author’s signature field
- \thesis@locale@formattedDate – A formatted date

where \texttt{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}[2017/09/08]

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

\def\thesis@english@universityName{University name}
\def\thesis@english@facultyName{Faculty name}

\def\thesis@english@assignment{%
This is where a copy of the official signed thesis assignment
is located in the printed version of the document.}

\def\thesis@english@declaration{Declaration text ...}

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

% Time strings
\def\thesis@english@spring{Spring}
\def\thesis@english@fall{Fall}
\def\thesis@english@semester{%
thesis@{english@thesis@season} thesis@seasonYear}
\def\thesis@english@formattedDate{%
thesis@day.
\newcount\@month\expandafter\@month\thesis@month\relax
\ifnum\@month=1%
January
\else\ifnum\@month=2%
February
\else\ifnum\@month=3%
March
\else\ifnum\@month=4%
April
\else\ifnum\@month=5%
May
\else\ifnum\@month=6%
June
\else\ifnum\@month=7%
July
\else\ifnum\@month=8%
August
\else\ifnum\@month=9%
September
\else\ifnum\@month=10%
October
\else\ifnum\@month=11%
November
29
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.
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.

% Placeholders
\gdef\thesis@english@assignment{%
\ifthesis@digital@\else \fi}
\gdef\thesis@english@assignment{%
\ifthesis@blocks@assignment@hideIfDigital@
\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
\else
Set the PDF document containing the official signed thesis assignment using the \texttt{<assignment>} key.
\fi}
\gdef\thesis@english@bib@title{Bibliographic record}
\gdef\thesis@english@bib@pages{p}
\global\let\thesis@english@bib@author\thesis@english@authorTitle
\gdef\thesis@english@bib@thesisTitle{Title of Thesis}
\gdef\thesis@english@bib@advisor{Supervisor}
\gdef\thesis@english@idTitle{UČO}

3.4.2.3 The \texttt{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 \texttt{blocks@cover} and the \texttt{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}[2017/06/02]

% 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` and `abstractTitle` placeholders with the correct value. The locale file also defines the private macros required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis-econ.sty style file.

\ProvidesFile{fithesis/locale/mu/econ/fithesis-english.def}[2017/06/02]
% Placeholders
\gdef\thesis@english@facultyName{Faculty of Economics and Administration}
% Bibliographic entry

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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]
```

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.

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

ProvidesFile{fithesis/locale/mu/phil/fithesis-english.def}[2016/03/22]
\gdef\thesis@english@facultyName{Faculty of Arts}
\gdef\thesis@english@departmentName{%
  \ifx\thesis@department\thesis@departments@kisk
    Division of Information and Library Studies%
  \else
    <<Unknown department (\thesis@department)>>%
  \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]
\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}[2017/06/02]
\gdef\thesis@english@facultyName{Faculty of Science}
\global\let\thesis@english@advisorTitleEn=\thesis@english@bib@advisor
\global\let\thesis@english@bib@advisorTitleEn=
\gdef\thesis@english@bib@programme{Degree Programme}
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.

The locale file defines all the private macros mandated by the locale file interface. 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 containing the accusative case of the thesis type name.

\thesis@czech@gender@koncovka
\thesis@czech@typeName@akuzativ

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.

```latex
\ProvidesFile{fithesis/locale/mu/fithesis-czech.def}[2017/07/09]
\% Zástupné texty
\% thesis@lower(czech@typeName@akuzativ) zpracoval
\% použil thesis@lower(czech@typeName@akuzativ) jen prameny

\providecommand{\thesis@universityName}{Masarykova univerzita}
\providecommand{\thesis@declaration}{Prohlašuji, že jsem zpracoval%
\providedef{\thesis@lower}{czech@typeName@akuzativ}
\% použil thesis@lower(czech@typeName@akuzativ) jen prameny
\providecommand{\thesis@assignment}{%
\ifthesis@blocks@assignment@hideIfDigital@
\ifthesis@digital@
Na tomto místě se v-tištěné práci nachází oficiální podepsané
zadání práce.
\else
<<Neznámý typ práce (\thesis@type)>>%
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi
\fi}
```

This code snippet defines the Czech locale file for the Masaryk University, including the declaration and assignment strings.
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.

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. The locale file also redefines the declaration string in accordance with the requirements of the faculty.
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.

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 and abstractTitle placeholders with the correct values. The locale file also redefines the declaration string in accordance with the requirements of the faculty and defines the private macros required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis-econ.sty style file.
The following extra data field is defined for declaration string:

- `advisorCsGenitiv` – the advisor’s name in genitive following Czech morphology.

```
\thesis@def@extra{advisorCsGenitiv}
\thesis@czech@declaration{Prohlašuji, že jsem}
\thesis@lower{czech@typeName@akuzativ} \thesis@title{} zpracoval%
\thesis@czech@gender@koncovka samostatně pod vedením
\thesis@extra@advisorCsGenitiv\ a uvedl\thesis@czech@gender@koncovka v ní všechny
odborné zdroje v souladu s právními předpisy, vnitřními
předpisy Masarykovy univerzity a vnitřními akty řízení
Masarykovy univerzity a Ekonomicko-správní fakulty MU.}
```

### 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]
\thesis@czech@facultyName{Lékařská fakulta}
\thesis@czech@abstractTitle{Anotace}
```

### 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]
\thesis@czech@facultyName{Fakulta informatiky}
\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.

\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-ních
\thesis@czech@gender@koncovka, v-práci řádně cituji
s-uvedením úplného odkazu na příslušný zdroj.)

\thesis@czech@declaration{%
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.%

\thesis@czech@advisorSignature{Podpis vedoucího}
\thesis@czech@typeName@proposal{Teze disertační práce}
\thesis@czech@typeName@akuzativ@proposal{Tezi disertační práce}

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
\thesis@czech@facultyName{Filozofická fakulta}
\thesis@czech@departmentName{%
\thesis@departments@kisk
Kabinet informačních studií a knihovnictví%
\thesis@departments@kisk
<<Neznámé oddělení (\thesis@department)>>%
\thesis@departments@kisk

\thesis@czech@declaration{%
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.%

\thesis@czech@declaration{%
Prohlašuji, že jsem \thesis@lower{czech@typeName@akuzativ} vypracoval\thesis@czech@gender@koncovka\ samostatně s-využitím
uvedené literatury.%
\thesis@czech@declaration{%}
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}[2017/10/28]

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@Cs 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}[2017/06/02]
### 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.

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

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 containing the accusative case of the thesis type name.

\thesis@slovak@assignment
\thesis@slovak@universityName
\thesis@slovak@facultyName

\thesis@slovak@spring
\thesis@slovak@fall
\thesis@slovak\thesis@season\thesis@seasonYear\thesis@day.
\newcount\@month\expandafter\@month\thesis@month\relax
\ifnum\@month=1\%
\thesis@day.\quad januára
\else\ifnum\@month=2\%
\thesis@day.\quad februára
\else\ifnum\@month=3\%
\thesis@day.\quad marca
\else\ifnum\@month=4\%
\thesis@day.\quad apríla
\else\ifnum\@month=5\%
\thesis@day.\quad mája
\else\ifnum\@month=6\%
\thesis@day.\quad júna
\else\ifnum\@month=7\%
\thesis@day.\quad júla
\else\ifnum\@month=8\%
\thesis@day.\quad augusta
\else\ifnum\@month=9\%
\thesis@day.\quad septembra
\else\ifnum\@month=10\%
\thesis@day.\quad októbra
\else\ifnum\@month=11\%
\thesis@day.\quad novembra
\else\ifnum\@month=12\%
\thesis@day.\quad decembra
\else
\thesis@day.<<neznámy mesiac \the\@month>>
\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
\thesis@year}}

% Rôzne
\gdef\thesis@slovak@authorSignature{Podpis autora}
\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{Podakovanie}
\gdef\thesis@slovak@declarationTitle{Vyhlášenie}
\gdef\thesis@slovak@idTitle{ID}
\gdef\thesis@slovak@typeName@sempaper{Seminárna práca}
\gdef\thesis@slovak@typeName@bachelors{Bakalárska práca}
\gdef\thesis@slovak@typeName@masters{Diplomová práca}
\gdef\thesis@slovak@typeName@proposal{Tézy záverečnej práce}
\gdef\thesis@slovak@typeName@doctoral{Dizertačná práca}
\gdef\thesis@slovak@typeName@rigorous{Rigorózna práca}
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}[2018/02/11]

% Zástupné texty
\gdef\thesis@slovak@universityName{Masarykova univerzita}
\gdef\thesis@slovak@declaration{\textbf{Masaryk University in Brno}}
\gdef\thesis@slovak@declaration{Masaryka\ univerzita}
\gdef\thesis@slovak@idTitle{\textbf{Masaryk University in Brno}}
\gdef\thesis@slovak@idTitle{Masaryka\ univerzita}
Vyhlásujem, že som predloženú 
thesis@lower(
sllovak@typeName@akuzativ) vypracoval
thesis@slovak@gender@koncovka\ samostatne len s-použitím
uvedenej literatúry a prameňov.)

\gdef\thesis@slovak@assignment{%
\ifthesis@blocks@assignment@hideIfDigital@
\ifthesis@digital@
Na tomto mieste sa v-tlačenej práci nachádza oficiálne
podpisané zadanie práce.
\else
Namiesto tejto stránky vložte kópiu oficiálneho podpisaného
zadania práce.
\fi
\else
\fi
\fi
\gdef\thesis@slovak@bib@title{Bibliografický záznam}
\gdef\thesis@slovak@bib@pages{str}
\global\let\thesis@slovak@bib@author\thesis@slovak@authorTitle
\gdef\thesis@slovak@bib@thesisTitle{Názov práce}
\global\let\thesis@slovak@bib@advisor\thesis@slovak@advisorTitle
\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]

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. The locale file also redefines the declaration string in accordance with the requirements of the faculty.

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.

This is the Slovak locale file specific to the Faculty of Economics and Administration at the Masaryk University in Brno. It replaces the facultyName and abstractTitle placeholders with the correct values. The locale file also redefines the declaration string in accordance with the requirements of the faculty and defines the private macros required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis-econ.sty style file.
The following extra data field is defined for the declaration string:

- advisorSkGenitiv – the advisor’s name in genitive following Slovak morphology.

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 string required by the \thesis@blocks@bibEntry block defined within the style/mu/fithesis-med.sty style file.

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.
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]
literatúru. Súčasne dávam súhlas k tomu, aby elektronická verzia tejto práce bola sprístupnená cez informačný systém Masarykovej univerzity.\else Vyhlasujem, že som predloženú thesis@lower{\thesis@slovak@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}
\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}[2017/06/02]
% 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. The locale file also 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.

```latex
\ProvidesFile{fithesis/locale/mu/sci/fithesis-slovak.def}[2017/05/21]
```

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

% Bibliografický záznam
```latex
\gdef\thesis@slovak@bib@programme{Študijný program}
\global\let\thesis@slovak@bib@field\thesis@slovak@fieldTitle
\gdef\thesis@slovak@bib@academicYear{Akademický rok}
\gdef\thesis@slovak@bib@pages{Počet strán}
\global\let\thesis@slovak@bib@keywords\thesis@slovak@keywordsTitle
```

### 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.

#### 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` – If autolayout is enabled, then this macro is expanded at the very beginning of the document.

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

- `\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.
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.

The file recognizes the following options:

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

• 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.

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

• draft, final – Overfull lines either are or aren’t marked within the document, respectively, and graphics either aren’t or are inserted into the document, respectively.
\ifthesis@palatino@ \newif\ifthesis@palatino@
\DeclareOption{palatino}{\thesis@palatino@true}\DeclareOption{nopalatino}{\thesis@palatino@false}

• 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.

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

• color, monochrome – Certain typographical elements either are or aren’t
gong to be typeset in color, respectively. The \ifthesis@color@ conditional
  is set to either true or false, respectively.

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

• microtype, nomicrotype – The microtypographic extension of modern \TeX
  engines – such as pdf\TeX, \Xe\TeX, or \Lua\TeX – is or isn’t going to be enabled,
  respectively. The \ifthesis@microtype@ conditional is set to either true or
  false, respectively.

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

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
\newif\ifthesis@blocks@lot
\DeclareOption{lot}{\thesis@blocks@lot@true}\DeclareOption{nolot}{\thesis@blocks@lot@false}

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

\thesis@blocks@lof
• 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.

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

\thesis@blocks@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.

\thesis@blocks@digital
\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 Xe\TeX engine.
• ifluatex – Used to detect the Lua\TeX 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.

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

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 X\TeX\ or the Lua\TeX\ engine is being used.

The following packages get only loaded, when the document is being typeset using the X\TeX\ or Lua\TeX\ engine:

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

Under X\TeX\ or Lua\TeX, the \TeX\ Gyre Pagella and \TeX\ Gyre Pagella Math are also selected as the main text and math fonts.

The following packages get only loaded, when the document is not being typeset using the X\TeX\ or Lua\TeX\ 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.
• \texttt{lmodern} – Changes the default sans-serif and monotype font faces to Latin Modern instead of the default Computer Modern font family.

• \texttt{fontenc} – The font encoding is set to Cork.

\begin{verbatim}
\else
   \thesis@palatino@ \\
   \RequirePackage[resetfonts]{cmap} \\
   \thesis@require{lmodern} \\
   \thesis@require{mathpazo} \\
   \thesis@require{tgpagella} \\
   \RequirePackage[T1]{fontenc}
\fi
\end{verbatim}

If the \texttt{\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:

• \texttt{tabularx} – Provides the \texttt{tabularx} environment, which enables the typesetting of tables with flexible-width columns.

• \texttt{tabu} – Provides the \texttt{tabu} environment, which enables the typesetting of complex tables.

• \texttt{booktabs} – A package, which allows the creation of publication-quality tables in \LaTeX.

\begin{verbatim}
\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}
\end{verbatim}

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

The \texttt{\thesis@newtable@old} and \texttt{\thesis@newtable@oldx} macros containing the original definition of the \texttt{tabular} environment are always defined and are available for subsequently loaded styles in case the typesetting of unaltered tables is required. Similarly, the \texttt{\thesis@newtable@old@old} macros are defined for the \texttt{tabularx} environment and the \texttt{\thesis@newtable@old@old@tabu} macros are defined for the \texttt{tabu} environment.

\begin{verbatim}
\thesis@newtable@old
\thesis@newtable@oldx
\thesis@newtable@old@oldx
\thesis@newtable@old@old@tabu
\end{verbatim}

% The redefinition of `tabular'

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\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}\if\@bibList\empty\else\global\thesis@bibliography@true\fi}
\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}
\fi
\fi
\thesis@bibliography@style
1. {⟨style=style⟩} – Stores style in \thesis@bibliography@style, unless it has already been defined (presumably by the user).
\thesis@bibliography@sorting
2. {⟨sorting=mode⟩} – Stores mode in \thesis@bibliography@sorting, unless it has already been defined (presumably by the user).
The \thesis@bibliography@load macro loads the \csquotes and BibLaTeX packages with the bibliography databases specified in \thesis@bibFiles. The macro also sets the \thesis@bibliography@included conditional to true.

\thesis@bibliography@setup

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.

The \thesis@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.

\let\thesis@printbibliography@old\printbibliography
\def\printbibliography{%
\global\thesis@bibliography@included@true
\thesis@printbibliography@old}
\fi
\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.

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

Clubs and widows are set to be infinitely bad.

\widowpenalty 10000
\clubpenalty 10000

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.

\def\thesis@color@setup#1{%
\setkeys{thesis@color}{#1}
}\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 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.

\thesis@blocks@frontMatter

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

\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.

\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.
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]{% 
  \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]{% 
  \edef\@path{\thesis@logopath\thesis@facultyLogo-color\fi}% 
  \includegraphics[#1]{\@path}}

\thesis@blocks@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]{% 
  \edef\@path{\thesis@logopath\thesis@universityLogo}% 
  \includegraphics[#1]{\@path}}

\thesis@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]{% 
  \edef\@path{\thesis@logopath\thesis@universityLogo-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:
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{alwaysssingle}%
    \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{alwaysssingle}%
  \fi}
```

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

1. \thesis@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. \thesis@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. \thesis@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. \thesis@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 subsequently 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
\thesis@blocks@cover@faculty@
\thesis@blocks@cover@faculty@false
```

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.
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 subsequently 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.

```latex
\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{%
  \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
```

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

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

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\thesis@blocks@tables  The \thesis@blocks@tables macro typesets the table of contents and optionally the list of tables and the list of figures.
\begin{verbatim}
def\thesis@blocks@tables{\thesis@blocks@toc \thesis@blocks@lot \thesis@blocks@lof}
\end{verbatim}

\thesis@blocks@declaration  The \thesis@blocks@declaration macro typesets the declaration text.
\begin{verbatim}
def\thesis@blocks@declaration{\thesis@blocks@clear \begin{alwayssingle}\chapter*{\thesis@@{declarationTitle}} \thesis@declaration \vskip 2cm \hfill \thesis@author \end{alwayssingle}}\end{verbatim}

\thesis@blocks@thanks  The \thesis@blocks@thanks macro typesets the acknowledgements, if the \thesis@thanks macro is defined. Otherwise, the macro produces no output.
\begin{verbatim}
def\thesis@blocks@thanks{\if\thesis@thanks\undefined\else \thesis@blocks@clear \begin{alwayssingle}\chapter*{\vspace*{\fill}\thesis@@{thanksTitle}} \leavevmode \thesis@thanks \end{alwayssingle}\fi}\end{verbatim}

\thesis@blocks@abstract  The \thesis@blocks@abstract macro typesets the abstract.
\begin{verbatim}
def\thesis@blocks@abstract{\begin{alwayssingle} % Start the new chapter without clearing the left page. \clearpage \begin{verbatim}
\begin{verbatim}
def\thesis@blocks@abstractEn{\if\thesis@english\else \begin{verbatim}
def\thesis@blocks@abstractEn{\thesis@selectLocale{english}\begin{verbatim}
def\thesis@blocks@abstractEn{\begin{alwayssingle} % Start the new chapter without clearing the left page. \clearpage \begin{verbatim}
def\thesis@blocks@abstractEn{\thesis@selectLocale{english}\begin{verbatim}
def\thesis@blocks@abstractEn{\begin{verbatim}% Start the new chapter without clearing the left page.
The \thesis@blocks@keywords macro typesets the keywords.

\begin{verbatim}
def\thesis@blocks@keywords{\%\\begin{alwayssingle}\\% Start the new chapter without clearing the left page.\\clearpage\\let\thesis@blocks@clear\relax\\chapter*{\thesis@@{keywordsTitle}}\\noindent\thesis@TeXkeywords\\par\\null\\end{alwayssingle}}\\fi
\end{verbatim}

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

\begin{verbatim}
def\thesis@blocks@keywordsEn{\ifthesis@english\else\\thesis@selectLocale{english}\\\begin{alwayssingle}\\% Start the new chapter without clearing the left page.\\clearpage\\let\thesis@blocks@clear\relax\\chapter*{\thesis@english@keywordsTitle}\\noindent\thesis@TeXkeywordsEn\\par\\null\\end{alwayssingle}}\fi
\end{verbatim}

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.

\begin{verbatim}
def\thesis@rewind{\addtocounter{page}{-\ifthesis@twoside@2\else1\fi}}
\end{verbatim}

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

The default value of the \thesis@blocks@assignment@ and \thesis@blocks@assignment@hideIfDigital@ conditional is true.

\begin{verbatim}
def\thesis@blocks@assignment@\thesis@blocks@assignment@\thesis@blocks@assignment@true
\thesis@blocks@assignment@hideIfDigital@\thesis@blocks@assignment@hideIfDigital@true
\thesis@blocks@assignment@\thesis@blocks@assignment@\thesis@blocks@assignment@%
\end{verbatim}

If the \thesis@blocks@assignment@ conditional is true and the \thesis@assignmentFiles macro is undefined, then typeset a placeholder page.
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 `\thesis@digital@` conditional is false or the `\thesis@blocks@assignment@hideIfDigital@` conditional is false.

```
\ifthesis@blocks@assignment@
  \ifx\thesis@assignmentFiles\undefined
    % Rewind the pages and typeset a placeholder page.
    \thesis@blocks@clear
    \begin{alwaysssingle}%
    \thispagestyle{empty}\thesis@rewind
    \noindent\textit{\thesis@@{assignment}}%
    \end{alwaysssingle}%
  \else
    Locally define `@inject` as our routine for injecting lists of PDF documents.
    \edef\@pdfList{\thesis@assignmentFiles}%
    \let\ea\expandafter
    \% Injects 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-\textbf{\@trimmed}}%
        % Rewind the pages and include the PDF.
        \thesis@rewind\includepdf[pages=\@trimmed]
        \ea\@inject\relax,%
      \fi
    \else
      \ea\@inject\relax,%
    \fi
  \fi
\fi
```

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 `\thesis@digital@` conditional is false or the `\thesis@blocks@assignment@hideIfDigital@` conditional is false.

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

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}

When ifthesis@bibliography@loaded@is true and ifthesis@bibliography@included@false, then the \thesis@blocks@bibliography macro typesets a bibliography via the Bib\LaTeX package. Otherwise, this macro produces no output.
\def\thesis@blocks@bibliography{%\ifthesis@bibliography@loaded@\ifthesis@bibliography@included@\else\thesis@blocks@clear\fi\fi\par\emergencystretch=3em\printbibliography[heading=bibintoc]\fi

The rest of the file comprises redefinitions of \LaTeX commands and private \texttt{rapport3} class macros altering the layout of the resulting document. Depending on the type size of 10, 11 or 12 points, either the \texttt{fithesis-10.clo}, \texttt{fithesis-11.clo} or \texttt{fithesis-12.clo} file is loaded from the \texttt{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 
def@evenhead\@oddhead
\fi
def@oddfoot{\hfil\PageFont\thepage}
\if@twoside
def@evenfoot{\PageFont\thepage\hfil}\\else 
def@evenfoot\@oddfoot
\fi 
def@mkboth\markboth

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

% Redefine the style of part headings.
\renewcommand*\part{% \thesis@blocks@clear
  \if@twocolumn
  \onecolumn
  \tempswatrue
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.
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.
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@Huge – Equivalent to \Huge

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

\thesis@titlePage@normalsize
\thesis@titlePage@small
\thesis@titlePage@footnotesize
\thesis@titlePage@scriptsize
\thesis@titlePage@tiny
\thesis@titlePage@large
\thesis@titlePage@Large
\thesis@titlePage@Huge
\@dblfptop 0pt plus 1fil
\@dblfpsep 8pt plus 2fil
\@dblfpbot 0pt plus 1fil
\marginparpush 5pt
\parskip 0pt plus 0pt
\partopsep 3pt plus 1pt minus 2pt
\parskip (11pt)
\% 12pt
\textheight = 37\baselineskip
\advance\textwidth by \topskip
\columnsep 10pt
\columnseprule 0pt
\@fptop 0pt plus 1fil
\@fpsep 10pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblfptop 0pt plus 1fil
\@dblfpsep 10pt plus 2fil
\@dblfpbot 0pt plus 1fil
\@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
\c@sectionnumdepth >\m@ne

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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.

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

The file defines the color scheme of the respective faculty. Note the the color definitions are in RGB, which makes the resulting files generally unsuitable for printing.

\thesis@color@setup{
  links={HTML}(FFD451),
  tableEmph={HTML}(FFD451),
  tableOdd={HTML}(FFF9E5),
  tableEven={HTML}(FFECEB)}

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@rigorous
  \thesis@blocks@assignment@false
\else\ifx\thesis@type\thesis@doctoral
  \thesis@blocks@assignment@false
\fi\fi

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:

\thesis@blocks@titlePage

---

- **advisorSignature** – The label of the advisor signature field typeset in the case of rigorous theses.
In Ph.D. theses, only the table of contents will be typeset in the front matter as per the formal requirements of the faculty\footnote{See http://is.muni.cz/www/2575/dtedi/index_en.html}.

Note that there is no direct support for the seminar paper type. If you would like to change the contents of the preamble and the postamble, you should modify the \thesis@blocks@preamble and \thesis@blocks@postamble macros.

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.

\begin{verbatim}
\def\thesis@blocks@preamble{%
  \thesis@blocks@coverMatter
  \thesis@blocks@cover
  \thesis@blocks@titlePage
  \thesis@blocks@frontMatter
  \ifx\thesis@type\thesis@proposal
    \thesis@blocks@toc
  \else
    \thesis@blocks@assignment
    \thesis@blocks@declaration
    \thesis@blocks@thanks
    \thesis@blocks@clearRight
    \thesis@blocks@abstract
    \thesis@blocks@keywords
    \thesis@blocks@tables
  \fi}
\end{verbatim}

\begin{verbatim}
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography}
\end{verbatim}

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\footnote{See http://www.sci.muni.cz/NW/predpisy/od/OD-2014-05.pdf}.

\begin{verbatim}
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-sci}[2017/06/02]
\thesis@color@setup{
  links={HTML}{20E366},
  tableEmph={HTML}{8EDEAA},
  tableOdd={HTML}{EDF7F1},
  tableEven={HTML}{CCEDD8}}
\end{verbatim}

The bibliography support is enabled. The numeric citations are used and the bibliography is sorted in citation order.
The file uses Czech locale strings within the macros.

\thesis@requireLocale{czech}

\ifthesis@czech

The ifthesis@czech ... \else ... \fi conditional is made available for testing, whether or not the current locale is Czech.

\def\ifthesis@czech{
\expandafter\def\expandafter\@czech\expandafter{
\csname czech\endcsname}
\expandafter\expandafter\expandafter\def\expandafter\expandafter\expandafter\@locale\expandafter\expandafter\expandafter{\expandafter\string\csname\thesis@locale\endcsname}\if\@locale\@czech\true\else\false\fi\endcsname}

\ifthesis@czech
\expandafter\expandafter\expandafter\let\expandafter\expandafter\csname ifthesis@czech\endcsname\csname iftrue\endcsname
\else
\expandafter\expandafter\expandafter\let\expandafter\expandafter\csname ifthesis@czech\endcsname\csname iffalse\endcsname
\fi

The file recognizes the following options:

- abstractonsinglepage – The abstracts are going to be typeset on a single page as opposed to being spread across several pages. This is the default for theses whose main locale is neither Czech nor English.

\newif\ifthesis@abstractonsinglepage@
\DeclareOption{abstractonsinglepage}{\thesis@abstractonsinglepage@true}
\ifthesis@czech\else\ifthesis@english\else
\ExecuteOptions{abstractonsinglepage}
\fi\fi
\ProcessOptions*

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.

Enable the inclusion of the scanned assignment inside the digital version of the document.

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@locale@bib@title – The title of the entire block
- \thesis@locale@bib@author – The label of the author name entry
- \thesis@locale@bib@title – The label of the title name entry
- \thesis@locale@bib@programme – The label of the programme name entry
- \thesis@locale@bib@field – The label of the field of study name entry
- \thesis@locale@bib@advisor – The label of the advisor name entry
- \thesis@locale@bib@academicYear – The label of the academic year entry
- \thesis@locale@bib@pages – The label of the number of pages entry
- \thesis@locale@bib@keywords – The label of the keywords entry
% 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@@{bib@advisor}:}}
\fi
\let\@F\relax
\newlength{\@F}
\settowidth{\@F}{{\bf \thesis@@{bib@academicYear}:}}
\let\@G\relax
\newlength{\@G}
\settowidth{\@G}{{\bf \thesis@@{bib@pages}:}}
\let\@H\relax
\newlength{\@H}
\settowidth{\@H}{{\bf \thesis@@{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}
\begin{thesis@newtable@old}{@{}p{\@left}@{hskip\@skip}p{\@right}@{}}
\textbf{\thesis@@{bib@author}:} & \thesis@author\thesis@@{facultyName}, \thesis@@{universityName}\thesis@department@name
\textbf{\thesis@@{bib@thesisTitle}:} & \thesis@title
\textbf{\thesis@@{bib@programme}:} & \thesis@programme
\textbf{\thesis@@{bib@field}:} & \thesis@field\thesis@name
% Unless this is a rigorous thesis, typeset the name of the
% thesis advisor.
\ifx\thesis@type\thesis@rigorous
  \textbf{\thesis@@{bib@advisor}:} & \thesis@advisor
\else
  \settowidth{\@E}{\\thesis@advisor\thesis@name}
\fi
\textbf{\thesis@@{bib@academicYear}:} & \thesis@academicYear
\textbf{\thesis@@{bib@pages}:} & \thesis@pages@preamble{} + \thesis@pages
\textbf{\thesis@@{bib@keywords}:} & \thesis@TeXkeywords
\end{thesis@newtable@old}
The \thesis@blocks@bibEntryEn macro typesets a bibliographical entry in English unless the current locale is English.

\def \thesis@blocks@bibEntryEn{\%}
\ifthesis@english\else
\thesis@selectLocale{english}
\begin{alwayssingle}
\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}
\renewcommand{\arraystretch}{2}
\noindent\begin{thesis@newtable@old}{@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
\textbf{\thesis@english@bib@author:} & \begin{parbox}[t]{\@right}
\thesis@author
\thesis@english@facultyName, \thesis@english@universityName\thesis@departmentEn@name
\end{parbox}\%\thesis@english@bib@thesisTitle:}
\end{thesis@newtable@old}
The \thesis@blocks@abstractCs macro typesets the abstract in Czech. If the current locale is Czech, the macro produces no output. The following extra data field is defined for the macro:

- abstractCs – the Czech title of the thesis used for the typesetting. This extra data field will expand to \thesis@abstract if the current locale of the thesis is Czech.

\thesis@blocks@abstractCs

\thesis@def@extra[{
  \ifthesis@czech
  \thesis@abstract
  \else
  \thesis@placeholder@extra@abstractCs
  \fi}
  \{abstractCs\}
\def\thesis@blocks@abstractCs{%
  \ifthesis@czech\else
  \thesis@placeholder@extra@abstractCs{abstractCs}
  \fi
\}]{abstractCs}
The \thesis@blocks@bibEntryCs macro typesets a bibliographical entry in English unless the current locale is Czech. The macro uses the following extra data fields:

- **programmeCs** – the Czech name of the author’s study programme. This extra data field will expand to \thesis@programme if the current locale of the thesis is Czech.

- **fieldCs** – the Czech name of the author’s field of study. This extra data field will expand to \thesis@field@name if the current locale of the thesis is Czech.

- **keywordsCs** – the Czech keywords of the thesis. This extra data field will expand to \thesis@keywords if the current locale of the thesis is Czech.

- **TeXkeywordsCs** – the Czech TEX keywords of the thesis. This extra data field will expand to \thesis@TeXkeywords if the current locale of the thesis is Czech.
\def\thesis@blocks@bibEntryCs{% 
\ifthesis@czech\else
  \selectLocale{czech}
  \begin{alwayssingle}
  % Clear only the right page, if the main locale is English.
  \ifthesis@english
    \begingroup
    \let\thesis@blocks@clear\thesis@blocks@clearRight
  \fi
  \chapter*{\thesis@czech@bib@title}\n  \ifthesis@english
    \endgroup
  \fi
  \begin{tabular}{l}
  \% Calculate the width of the columns
  \settowidth\@A{\bf\thesis@czech@bib@author:}
  \settowidth\@B{\bf\thesis@czech@bib@thesisTitle:}
  \settowidth\@C{\bf\thesis@czech@bib@programme:}
  \settowidth\@D{\bf\thesis@czech@bib@field:}
  \settowidth\@E{\bf\thesis@czech@bib@advisor:}
  \settowidth\@F{\bf\thesis@czech@bib@academicYear:}
  \settowidth\@G{\bf\thesis@czech@bib@pages:}
  \settowidth\@H{\bf\thesis@czech@bib@keywords:}

  % Unless this is a rigorous thesis, we will be typesetting
  % the name of the thesis advisor.
  \settowidth\@E{\bf\thesis@czech@bib@advisor:}
\else
  \settowidth\@E{\bf\thesis@czech@bib@advisor:}
\fi
\end{tabular}
\end{alwayssingle}
\endgroup
\fi
\chapter*{\thesis@czech@bib@title}
% Typeset the table
\renewcommand\arraystretch{2}
\noindent\begin{thesis@newtable@old}{}
\textbf{\thesis@czech@bib@author:} & \parbox[t]{\@right}{\thesis@author\thesis@czech@facultyName, \thesis@czech@universityName\thesis@extra@departmentCs} \\
\textbf{\thesis@czech@bib@thesisTitle:} & \thesis@extra@titleCs \\
\textbf{\thesis@czech@bib@programme:} & \thesis@extra@programmeCs \\
\textbf{\thesis@czech@bib@field:} & \thesis@extra@fieldCs \\
% Unless this is a rigorous thesis, typeset the name of the 
% thesis advisor.
\ifx\thesis@type\thesis@rigorous
\textbf{\thesis@czech@bib@advisor:} & \thesis@advisor \\
\fi
\textbf{\thesis@czech@bib@academicYear:} & \thesis@academicYear \\
\textbf{\thesis@czech@bib@pages:} & \thesis@pages + \thesis@pages@preamble + \thesis@pages \\
\textbf{\thesis@czech@bib@keywords:} & \thesis@extra@TeXkeywordsCs \\
\end{thesis@newtable@old}}%}
\fi

% Thesis blocks
\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.
\thesis@blocks@frontMatter{\parindent 1.5em \setcounter{page}{1} \pagenumbering{roman}}

\thesis@blocks@cover The \thesis@blocks@cover macro typesets the thesis cover. The following extra data field is defined for the macro:

- \texttt{\thesis@extra@fieldCs} – the Czech name of the department at which the thesis is being written. This extra data field will expand to \thesis@department@name if the main locale of the thesis is Czech.
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. The following extra data field is defined for the macro:

- TeXtitleCs – the Czech title of the thesis used for the typesetting. This extra data field will expand to \thesis@TeXtitle if the main locale of the thesis is Czech.
The \thesis@blocks@thanks macro typesets the acknowledgements, if the \thesis@thanks macro is defined. Otherwise, the macro produces no output. As per the faculty requirements, the acknowledgements are positioned at the top of the page.

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

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.

\def\thesis@blocks@declaration{%}
\begin{alwayssingle}\
\leavevmode\vfill
\leavemode\thesis@thanks
\end{alwayssingle}\
% Start the new chapter without clearing any page.
Note that there is no direct support for the seminar paper and thesis proposal types. If you would like to change the contents of the preamble and the postamble, you should modify the \thesis@blocks@preamble and \thesis@blocks@postamble macros.

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.
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.

The file defines the color scheme of the respective faculty. Note the the color definitions are in RGB, which makes the resulting files generally unsuitable for printing.

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

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

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 (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.

\needsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-phil}[2016/04/18]
\thesis@color@setup{
  links={HTML}{6FCEF2},
  tableEmph={HTML}{78CEF0},
  tableOdd={HTML}{EBF6FA},
  tableEven={HTML}{D0EBF5}}

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

\thesis@blocks@titlePage@department@true
\thesis@blocks@titlePage@field@true
\thesis@departments@kisk{kisk}

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

4 See http://is.muni.cz/auth/do/1421/4581421/Vzor_bakalarske_prace.pdf
In the case of a KISK thesis, the style file redefines the cover and title page footers to include the thesis advisor’s name.

\begin{verbatim}
\thesis@blocks@titlePage
\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
\end{verbatim}

Note that there is no direct support for the seminar paper and thesis proposal types. If you would like to change the contents of the preamble and the postamble, you should modify the \thesis@blocks@preamble and \thesis@blocks@postamble macros.

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.

\begin{verbatim}
\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
\end{verbatim}

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

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.

The file defines the color scheme of the respective faculty. Note the the color definitions are in RGB, which makes the resulting files generally unsuitable for printing.

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

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

Note that there is no direct support for the seminar paper and thesis proposal types. If you would like to change the contents of the preamble and the postamble, you should modify the \thesis@blocks@preamble and \thesis@blocks@postamble macros.

\section*{Note}

See https://is.muni.cz/auth/do/ped/VPAN/46952359/53057289
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\footnote{See \url{http://psych.fss.muni.cz/node/351}, \url{http://medzur.fss.muni.cz/informace-pro-studenty/pravidla-pro-diplomky/soubory/PravidlaprozaverecnepracenaKMSZ-ver.2-83.doc}, \url{http://soc.fss.muni.cz/?q=node/44}, \url{http://polit.fss.muni.cz/informace-pro-studenty/pol/}, \url{http://humenv.fss.muni.cz/studium/bakalarske-studium/pravidla-pro-vypracovani-bakalarske-prace}}, 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. Note the the color definitions are in RGB, which makes the resulting files generally unsuitable for printing.

\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,
}
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}\}

Note that there is no direct support for the seminar paper and thesis proposal types. If you would like to change the contents of the preamble and the postamble, you should modify the \thesis@blocks@preamble and \thesis@blocks@postamble macros.

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\}
\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.\footnote{See http://is.muni.cz/do/law/ud/predp/smer/5-07-2012.pdf}

The file defines the color scheme of the respective faculty. Note the the color definitions are in RGB, which makes the resulting files generally unsuitable for printing.

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-law}[2017/05/21]
The bibliography support is enabled. The authoryear citations are used and the bibliography is sorted by name, year, and title.

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.

The \thesis@blocks@cover@header 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.

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.

Note that there is no direct support for the seminar paper and thesis proposal types. If you would like to change the contents of the preamble and the postamble, you should modify the \thesis@blocks@preamble and \thesis@blocks@postamble macros.

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

\thesis@blocks@preamble
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\(^9\).

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-econ}[2018/02/11]

The file defines the color scheme of the respective faculty. Note the color definitions are in RGB, which makes the resulting files generally unsuitable for printing.

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

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.

• array – Enables \{decl.\} and \{decl.\} declarations in table preambles.

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{array}
\geometry{top=25mm,bottom=20mm,left=25mm,right=25mm,includeheadfoot}

Enable the inclusion of the scanned assignment inside the digital version of the document.
\thesis@blocks@assignment@hideIfDigital=false

The \thesis@blocks@cover macro typesets the thesis cover.
\thesis@blocks@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@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
  \[0.1in]\thesis@titlePage@Large\bf\thesis@TeXtitleEn\]
  \vfill
  \thesis@titlePage@large \thesis@@{typeName}\%
  \vfill
  \thesis@titlePage@Large\thesis@place
  \thesis@year\hfill \thesis@author
  \end{center}
  \end{alwayssingle}
  \fi}

\thesis@blocks@titlePage@field
\thesis@blocks@titlePage@content
\thesis@blocks@titlePage@content{
  \ifthesis@english\else
    \[0.1in] \thesis@titlePage@Large\bf\thesis@TeXtitleEn\]
  \fi \thesis@blocks@titlePage@Large
\thesis@blocks@titlePage@footer{
  \% Calculate the width of the thesis author and advisor boxes
  \let\@A\relax \newlength{\@A} \settowidth{\@A}{{%
\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.

\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.

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

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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.

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

\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.

```latex
\def\thesis@blocks@declaration{%
  \begin{alwayssingle}
  \thesis@blocks@clear
  \leavevmode\vfill
  \% Start the new chapter without clearing any page.
  \let\thesis@blocks@clear\relax
  \chapter*{\thesis@@{declarationTitle}}
  \thesis@declaration
  \vskip 2cm
  \begin{minipage}[t]{\@A}
    \centering\rule{\@A}{1pt}
    \thesis@@{authorSignature}
  \end{minipage}
  \end{alwayssingle}
```

\thesis@blocks@abstract

The `\thesis@blocks@abstract` macro typesets the abstract. This definition typesets the abstract on the same page.

```latex
\def\thesis@blocks@abstract{%
  \begin{alwayssingle}
  \vskip 40\p@
  \let\thesis@blocks@clear\relax
  \chapter*{\thesis@@{abstractTitle}}
  \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. This macro typesets the abstract on the same page.

\thesis@blocks@keywords

The \thesis@blocks@keywords macro typesets the keywords. This definition typesets the keywords on the same page.

\thesis@blocks@keywordsEn

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

\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@locale@bib@author – The label of the author name entry
- \thesis@locale@bib@title – The label of the title entry
- \thesis@locale@bib@titleEn – The label of the English title name entry
  (\thesis@english@bib@titleEn does not need to be defined)
• \thesis@locale@bib@department – The label of the department name entry

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

• \thesis@locale@bib@year – The label of the year entry

\def\thesis@blocks@bibEntry{%
\thesis@blocks@clear
\indent\begin{thesis@newtable@old}{@{}>{\bfseries}ll@{}}
\thesis@@{bib@author}: & \thesis@author \\
\thesis@@{bib@thesisTitle}: & \thesis@title \\
\ifthesis@english\else\thesis@@{bib@thesisTitleEn}: & \thesis@titleEn \\
\fi
\thesis@@{bib@department}: & \thesis@department \\
\thesis@@{bib@advisor}: & \thesis@advisor \\
\thesis@@{bib@year}: & \thesis@year \\
\end{thesis@newtable@old}}

Note that there is no direct support for the seminar paper and thesis proposal types. If you would like to change the contents of the preamble and the postamble, you should modify the \thesis@blocks@preamble and \thesis@blocks@postamble macros.

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@bibEntry
\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 requirements published at the website of the Department of Optometry and Orthoptics.\footnote{See \url{http://is.muni.cz/do/med/zpravyprac/Optometrie/NALEZITOSTI_ZAVERECNE_PRACE.doc}}

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-med}[2018/02/11]

The file defines the color scheme of the respective faculty. Note the the color definitions are in RGB, which makes the resulting files generally unsuitable for printing.

\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:

- \texttt{tikz} – Used for dimension arithmetic.
- \texttt{geometry} – Allows for modifications of the type area dimensions.
- \texttt{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 \texttt{\thesis@blocks@cover} macro typesets the thesis cover.

\def\thesis@blocks@cover{%
  \ifthesis@cover@
    \thesis@blocks@clear
    \begin{alwaysingle}
    \thispagestyle{empty}
    \begin{center}
      (%
      \sc\thesis@titlePage@LARGE\thesis@@{universityName})\%

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\TeXtitle\[0.3in]\}%
\thesis@titlePage@large{\sc\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
\begin{minipage}[t]{\@left}{\bf\thesis@@{advisorTitle}:}\\\thesis@advisor\end{minipage}\hfill
\begin{minipage}[t]{\@right}{\bf\thesis@@{authorTitle}:}\\\thesis@author\end{minipage}\[1em]%\thesis@field@name\}
\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{%
\begin{minipage}[t]{\@left}{%\thesis@@{advisorTitle}:}\\\thesis@advisor\end{minipage}\hfill
\begin{minipage}[t]{\@right}{%\thesis@@{authorTitle}:}\\\thesis@author\end{minipage}\[1em]%\thesis@field@name\}
\thesis@place, \thesis@@{semester}}%
\thesis@blocks@clear

% In case of double-sided typesetting, change the geometry
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.

Note that there is no direct support for the seminar paper and thesis proposal types. If you would like to change the contents of the preamble and the postamble, you should modify the \thesis@blocks@preamble and \thesis@blocks@postamble macros.

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.
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\(^\text{11}\).

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-fsps}[2018/02/11]

The file defines the color scheme of the respective faculty. Note the the color definitions are in RGB, which makes the resulting files generally unsuitable for printing.

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

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:

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

In addition to this, the type area width is set to 14 cm in accordance with the formal requirements of the faculty.

\thesis@require{tikz}
\thesis@require{geometry}
\thesis@require{setspace}
\geometry{top=30mm,bottom=30mm,left=40mm,right=30mm,includeheadfoot}

The paragraph indentation is 1.25 cm as per the requirements of the faculty.

\setlength{\parindent}{1.25cm}

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 year and place of the thesis defense in accordance with the formal requirements of the faculty.

\def\thesis@blocks@titlePage@footer{
  \thesis@titlePage@large

\(^{11}\)See https://is.muni.cz/auth/do/fsps/studijni/info-stud/SZZ/pokyny_ZP_13-5-2013.pdf
\thesis@blocks@frontMatter The \thesis@blocks@frontMatter macro sets up the style of the front matter of the thesis. The leading is adjusted in accordance with the requirements of the faculty.

\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.

\thesis@blocks@bibliography The \thesis@blocks@bibliography macro typesets the bibliography. The leading is adjusted in accordance with the requirements of the faculty.
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@locale@authorSignature – The label of the author's signature field
- \thesis@locale@formattedDate – A formatted date

Notethatthereisnodirectsupportfortheseminarpaperandthesisproposaltypes. If you would like to change the contents of the preamble and the postamble, you should modify the \thesis@blocks@preamble and \thesis@blocks@postamble macros.

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.
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Change History

v0.0
General: bachelor project of Daniel Marek under supervision of Petr Sojka 1

v0.0a
General: changes by Jan Pavlovič to allow fitthesis being backend of doctool based system for thesis writing 1

v0.1
General: new release, documentation editing (CZ only, sorry) [PS] 1

v0.1a
General: minor documentation changes (CZ only, sorry) [PS] 1

v0.1b
General: change of default size (11pt→12pt) [JP] 1

v0.1c
General: default values of \facultyname and @thesissubtitle set for backward compatibility) [PS] 1

v0.1d
General: removed def chapter from fit1*.clo [JP] 1

v0.1e
General: add Brno to MU title [JP] 1

v0.1f
General: add documentation for hyperref [JP] 1

v0.1g
General: change of default size (12pt→11pt) [JP] 1

v0.2.00
General: add sk lang [JP, Peter Cerensky] set default cls class to rapport3 [JP] 1

v0.2.01
General: add subsubsection to toc [JP] 1

v0.2.02
General: fix encoding bug [JP] 1

v0.2.03
General: fix title spacing [PS, JP] 1

v0.2.04
General: fix SK declaration [Peter Cerensky, JP] 1

v0.2.05
General: add English abstract [JP] 1

v0.2.06
General: fix : behind Advisor [JP] 1

v0.2.07
General: escape all Czech letters [JP] babel is used instead of stupid package czech [JP] \MainMatter should be placed after \tablesofcontents [PS] 1

v0.2.08
General: add change of University name [JP] 1

v0.2.09
General: add EN version of
v0.2.10
General: fix EN name of
Acknowledgement [JP] .... 1
v0.2.11
General: fix missing fi-logo.mf
[JP,PS] ............. 1
v0.2.12
General: Licence change to the
LPPL [JP] ............. 1
v0.2.12a
General: fork fithesis2 by Mr.
Filipčík and Janoušek; cf.
http://github.com/liskin/
fithesis ............. 1
v0.3.00
General: fi logo is no longer
special-cased (added eps and
PDF), \thesislogopath added
to set the logo directory path,
\thesiscolor added to enable
colorful typo elements [VN] ...
1
v0.3.01
General: documentation now uses
babel and cmap packages. the
entire file was transcoded into
utf8, \thesiscolor was
replaced by color class option,
added PDF metadata stamping
support [VN] ............. 1
v0.3.02
General: PDF metadata stamping
added for \thesistitle and
\thesisstudent [VN] .... 1
v0.3.03
General: Small fixes (added \relax
at \MainMatter), generating
both fithesis.cls (obsolete,
loading fithesis2.cls) and
fithesis2.cls, minor doc
edits, version numbering of
.clo fixed, switch to utf8 and
ensuring that .dtx compiles.
Documentation adjusted to the
status quo, added link to
discussion forum (backport of
v0.2.14) [PS] ............. 1
v0.3.04
General: Import the url package to
allow for the use of \url within
the documentation. (backport
of v0.2.15@r13) [VN] .... 1
v0.3.05
General: Added support for change
typesetting. Restructured the
code to make it more amenable
to literal programming. Added
support for \CodeLineIndex
typesetting. Added information
about the usage of fithesis1 and
fithesis2 on the FI unix
machines. (backport of v0.2.16)
[VN] Minor changes
throughout the text, added a
link to the the fithesis forums
[PS] (backport of
v0.2.15@r14:15) ............. 1
v0.3.06
General: Added the colorx package
and the base colors for each
faculty. If the color option is
specified, the tabular
environment gets redefined and
uses the faculty colors to color
alternating table rows to
improve readability. The
hyperref links in the e-version
are now likewise colored
according to the chosen faculty,
in this case regardless of the
presence of the color option.
Dropped the support for
typesetting theses outside MU.
[VN] ............. 1
v0.3.07
General: Replaced the
\thesiswoman command with
\thesisgender. [VN] .... 1
v0.3.08
General: Fixed a non-terminated
\if condition. [VN] (backport of v0.2.18)
Fixed mostly documentation errors
reported at the new fithesis discussion
forum (-ti, eco→econ, implicit
twocolumn, example extended (font
setup), etc.). [PS] (backport of v0.2.17) . 1
v0.3.09
General: A complete refactoring of
the class. The class was
decomposed into a base class, locale files and style files. [VN]  1

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]  1

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]  1

v0.3.12
General: The subsections and subsubsections now use the correct tocdepth.

[vN]  1

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]  1

v0.3.14
General: Updated the documentation.

[vN]  1

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]  1

v0.3.16
General: Clubs and widows are now set to be infinitely bad. The assignment key has weaker,
but more robust semantics now.

\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] ................. 1

\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] ................. 1

\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] ................. 1

\v0.3.20

General: Removed an extraneous \hypersetup option to eliminate a warning. Performed several minor Makefile updates. Updated the technical documentation. [VN] ................. 1

\v0.3.21

General: Fixed an invalid font name. [VN] ................. 1

\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] ................. 1

\v0.3.23

General: Fixed a typo in the Slovak locale. [VN] ................. 1

\v0.3.24

General: Added the \thesis@backend tunable. The hyphenation pattern switching now uses polyglossia instead of crude \language switching whereever possible. Added the opt-out microtype class option, which loads the microtypographic extension. The \thesis@locale@summer and
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] ............................. 1

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] ............................. 1

v0.3.26

General: Updated the example documents and the user guide. Fixed a typo in the description of @thesis@season. [VN] ............................. 1

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] ............................. 1

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] ............................. 1

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] ............................. 1

v0.3.27:4

General: @thesis@english@declaration now uses the correct idiom (by one’s own → on one’s own). [VN] ............................. 1

v0.3.27:5

General: The PDF bookmarks are no longer garbled, when the LuaTeX engine is used. [VN] ............................. 1

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] ............................. 1

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 cquotes style is automatically set for the entire document. [VN] ............... 1

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] ............... 1

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] ............... 1

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] ............... 1

v0.3.30
General: The \thesis@seasonYear macro has been added, which, unlike \thesis@year takes into account the fact that January and February of the year \( n \) still belong to the fall semester of the year \( n - 1 \). [VN] ............... 1

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] ............... 1

v0.3.31:2
General: All trailing \%s were removed. Some of the inherited fithesis2 code in the

\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] ............... 1

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. [VN] ....... 1

v0.3.33
General: Added \thesis@patch. [VN] ............... 1

v0.3.34
General: Added visual tests of output PDFs. The test/university/faculty path scheme employed by the rest of the package. [VN] ............... 1

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. [VN] ............... 1
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. [VN] . . . . . . 1

v0.3.35:3
General: Fixed \@locale being possibly undefined in a LuaLaTeX run. [VN] . . . . . . 1

v0.3.36
General: The \thesis@load macro has been lifted to the public API as \thesisload. [VN] . . . . . . 1

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. [VN] . . . . . . 1

v0.3.38:1
General: The \bib key was added on the fithesis3 class level and is supported by the style files of the Masaryk University in Brno. [VN] . . . . . . 1

v0.3.38:2
General: Fixed \thesis@pages not taking \thesis@postamble into account. Fixed the chapter number being printed regardless of secnumdepth by the style files of the Masaryk University in Brno. Fixed \thesis@blocks@assignment being typeset in Czech only by the style file of the Faculty of Science at the Masaryk University in Brno. [VN] . . . . . . 1

v0.3.39:2
General: The assignment key no longer affects the page numbers and takes into account the digital and printed class options in the style files of the Masaryk University in Brno. [VN] . . . . . . 1

v0.3.40
General: Fixed \thesis@pages not working properly when the autoLayout key is set to false. Added a section on the markdown package to the example documents of the Masaryk University in Brno. Added the \ifthesis@blocks@assignment@hideIfDigital@ conditional to the style/mu/fithesis-base.sty style file. [VN] . . . . . . 1

v0.3.41
General: Removed the arbitrary limitation of \thesissetup, which prevented it from accepting multi-paragraph values. The \thesislong macro is therefore no longer necessary, but kept around for backwards compatibility. [VN] . . . . . . 1

v0.3.42
General: Documented that all color settings are done in the rgb colorspace, which makes the color option suitable mostly for the digital versions of fithesis documents rather than for printing. Added the thesis proposal thesis type. [VN] . . . . . . 1

v0.3.43
General: Added a mention about the thesis proposal thesis type to the user guide for the Faculty of Informatics at the Masaryk University, Brno and fixed a bad citation in the user guides for the Masaryk University, Brno. Added an extra English
option for babel in the examples for the Masaryk University, Brno.
\thesis@blocks@thanks no longer gobbles leading spaces of \thesis@thanks. A fix in the Slovak locale by kiraacorsac at GitHub. [VN] 1

v0.3.44

General: Added an additional hyphenation hint to the example document. [VN] 1
Fixed the color in the logo of FI MU. [VN] 1
Fixed wrong / missing non-breaking spaces in Czech / Slovak localization. [VN] 1
The captions in the examples for MU are now above tables. [VN] 1
The style file for FSpS, MU now complies with updated requirements. [VN] 1
The style file for FSpS, MU now includes place, date, and signature field next to the declaration. [VN] 1
The style file for FSpS, MU now uses 1.5 spacing outside bibliography. [VN] 1
The style file for FSpS, MU now uses a 14 cm wide type area. [VN] 1
The style file for FSpS, MU now uses different declaration text. [VN] 1
The style file for FSpS, MU now uses different title page layout. [VN] 1

v0.3.45

\ifthesis@czech: Defined the \ifthesis@czech macro in style/mu/fithesis-sci.sty. The patch was submitted by Juraj Páleník. [VN] 83
\thesis@blocks@abstractCs: Defined the \thesis@blocks@abstractCs macro in style/mu/fithesis-sci.sty. The patch was submitted by Juraj Páleník. [VN] 87
\thesis@blocks@bibEntry: Bibliographical entries in style/mu/fithesis-sci.sty now face each other when the main locale is either Czech or English. [VN] 84
\thesis@blocks@bibEntryCs: Bibliographical entries in style/mu/fithesis-sci.sty now face each other when the main locale is either Czech or English. [VN] 89
\thesis@blocks@thanks: Redefined the \thesis@blocks@thanks and \thesis@blocks@declaration macros in style/mu/fithesis-sci.sty. The patch was submitted by Juraj Páleník. [VN] 92
\thesis@pages@preamble: Defined the \thesis@pages@preamble and \thesis@pages@postamble macros. The patch was submitted by Juraj Páleník. [VN] 18
\thesisload: Updated the \ifthesis@english macro, so that it no longer dynamically reacts to changes of the locale. Instead, it is now based on the main locale during the expansion of \thesisload. 22
\theissetup: Added the extra key to \theissetup and defined the helper \thesis@def@extra macro.
General: Added Slovak localization for the style/mu/fithesis-sci.sty style file. The localization was submitted by Juraj Páleník.

\thesis@blocks@abstract:
  Redefined \thesis@blocks@abstract, \thesis@blocks@abstractEn, \thesis@blocks@keywords, and \thesis@blocks@keywordsEn in style/mu/fithesis-econ.sty in accordance with the example documents. The patch was submitted by Jana Ratajská.

\thesis@blocks@bibEntry:
  Defined \thesis@blocks@bibEntry in style/mu/fithesis-econ.sty in accordance with the example documents. The patch was submitted by Jana Ratajská.

\thesis@blocks@declaration:
  Redefined \thesis@blocks@declaration in style/mu/fithesis-econ.sty in accordance with the example documents. The patch was submitted by Jana Ratajská.

\thesis@blocks@keywordsEn:
  Simplified the definition of \thesis@blocks@keywordsEn in style/mu/fithesis-base.sty.

General: Defined strings required by \thesis@blocks@bibEntry from style/mu/fithesis-econ.sty in locale/mu/econ/*.def.

Lifted the authorSignature and formattedDate strings to the global locale file interface.

Lifted the bib@author, bib@thesisTitle, and bib@advisor strings from locale/mu/sci/*.def to locale/mu/*.def, so that they can be shared with locale/mu/econ/*.def.

The documentation now points to the 2/2017 dean's directive for the Faculty of Economics and Administration, Masaryk University, Brno. [VN] .... 100

Updated the \abstractTitle string in locale/mu/econ/*.def in accordance with the 2/2017 dean's directive. The patch was submitted by Jana Ratajská.

Updated the declaration string in locale/mu/econ/*.def in accordance with the 2/2017 dean's directive. [VN] .... 40, 48

v0.3.47

General: Added an \ifthesis@blocks@assignment@hideIfDigital@ test to the definition of the assignment string for the Masaryk University in Brno.

Enabled the inclusion of the scanned assignment inside the digital version of the document in style/mu/fithesis-econ.sty in accordance with the formal requirements of the faculty. The patch was submitted by Jana Ratajská. [VN] .... 101

Moved the \ifthesis@digital tests from locale/*.def to locale/mu/*.def, since \ifthesis@digital is
undefined in fithesis3.cls.

[vN] . . . . . 29, 31, 35, 37, 43, 46

Updated the declaration string in locale/mu/econ/*.def in accordance with the 2/2017 dean's directive. [vN] . . . . 40, 48

v0.3.48
General: Changed \thesis@english@thanksTitle to plural. [vN] . . . . . . 30

v0.3.49
General: \emph uses the italic type face rather than the slanted type face. [vN] . . . . . . . . 52

Fixed casing in the definition of the declaration string for the Masaryk University in Brno.

[vN] . . . . . . . . . . . . 45

Removed an extraneous \vskip in the style files for the Masaryk University in Brno.

[vN] . . . . . . . . . . . . 102, 107, 110

v0.3.50
\thesisload: Make writes immediate, so that they do not get lost when they occur at an empty page. [vN] . . . . . . . . 23