The fithesis4 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 fithesis4
document class. It contains technical information for anyone who wishes to
extend the class with their locale or 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 fithesis4 class.

3.5.10.1 The style files of the Faculty of Medicine
3.5.11.1 The style files of the Faculty of Sports Studies
3.5.12.1 The style files of the Faculty of Pharmacy

\thesis@backend\ProvidesClass{fithesis4}[\thesis@version]
\ifx\thesis@backend\undefined
\def\thesis@backend{[a4paper]{rapport3}}\fi
\expandafter\LoadClass\thesis@backend

The class also requires the following packages:

• keyval – Adds support for parsing comma-delimited lists of key-value pairs.
• etoolbox – Adds support for expanding code after the preamble using the \AtPreamble hook.
• ltxcmds – Implements several commands from the \LaTeX\ kernel. Used for the \ltx@ifpackageloaded command, which – unlike its \ifpackageloaded counterpart – can be used outside the preamble.
• ifxetex – Used to detect the \XeTeX engine.
• ifluatex – Used to detect the \LuaTEX engine.
• inputenc – Used to enable the input UTF-8 encoding. This package does not get loaded under the \XeTeX and \LuaTEX engines.
• xpatch – Used to redefine parts of code in macros without redefining the whole macro.

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.

\thesis@backend\RequirePackage{keyval}
\thesis@backend\RequirePackage{etoolbox}
\thesis@backend\RequirePackage{ltxcmds}
\thesis@backend\RequirePackage{ifxetex}
\thesis@backend\RequirePackage{ifluatex}
\thesis@backend\ifxetex\else\ifluatex\else
\thesis@backend\RequirePackage[utf8]{inputenc}
\thesis@backend\fi\fi
\thesis@backend\RequirePackage{xpatch}
2 Public API

2.1 Options

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

The class options specify the form of the document.

2.2 The \thesissetup macro

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

\verbatim
\long\def\thesissetup#1{\setkeys{thesis}{#1}}
\endverbatim

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/.

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

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/.

\verbatim
\def\thesis@logopath{\thesis@basepath logo/\thesis@university/}
\define@key{thesis}{logoPath}{\ifx\thesis@empty#1\thesis@empty\empty\empty\empty\else\def\thesis@logopath{\thesis@subdir#1}\fi}
\endverbatim

5
\thesis@stylepath 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 \thesis@subdir macro and stored within the \thesis@stylepath macro, whose implicit value is \thesis@basepath style/. By default, this expands to \texttt{fithesis/style/}.

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

\thesis@localepath 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 \thesis@subdir macro and stored within the \thesis@localepath macro, whose implicit value is \thesis@basepath followed by \texttt{locale/}. By default, this expands to \texttt{fithesis/locale/}.

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

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

\begin{verbatim}
35 \def\thesis@subdir#1#2#3#4\empty{%
36 \ifeq1\empty% <empty> -> <basepath>
37 \thesis@basepath
38 \else
39 \if1/%
40 \ifeq2\empty% / -> /
41 /%
42 \else% /<path> -> /<path>/
43 #1#2#3#4/%
44 \fi
45 \else
46 \if1.%
47 \ifeq2\empty% . -> ./
48 .%
49 \else
50 \ifeq2.%
51 \ifeq3\empty% .. -> ../
52 ../%
53 \else
54 ../<path> -> ../<path>/
55 ../#4/
56 \else
57 \thesis@basepath#1#2#3#4/%
\end{verbatim}
\thesis@def 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 \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@woman 2.2.6 The gender key

The \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 \ifthesis@woman ... \else ... \fi conditional. The implicit gender is male.
2.2.7 The author key

The \{\langle author = name \rangle\} pair sets the author’s full name to name. The name is parsed using the \thesis@parseAuthor macro and stored within the following macros:

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

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

\thesis@id 2.2.8 The id key

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

\thesis@type 2.2.9 The type key

The \{\langle type = type \rangle\} pair sets the type of the thesis to 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>sem</td>
</tr>
<tr>
<td>Bachelor’s thesis</td>
<td>bc</td>
</tr>
<tr>
<td>Master’s thesis</td>
<td>mgr</td>
</tr>
<tr>
<td>Thesis proposal</td>
<td>prop</td>
</tr>
<tr>
<td>Doctoral thesis</td>
<td>d</td>
</tr>
<tr>
<td>Rigorous thesis</td>
<td>r</td>
</tr>
</tbody>
</table>
The type is stored within the \thesis@type macro, whose implicit value is bc. For the ease of testing of the thesis type via \ifx conditions within style and locale files, the \thesis@sempaper, \thesis@bachelors, \thesis@masters, \thesis@proposal, \thesis@doctoral and \thesis@rigorous macros containing the corresponding type values are available as a part of the private API.

\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}}

2.2.10 The university key

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

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

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>fspsp</td>
</tr>
<tr>
<td>The Faculty of Pharmacy</td>
<td>pharm</td>
</tr>
</tbody>
</table>

The identifier is stored within the \thesis@faculty macro, whose implicit value is fi.
\def\thesis@faculty{fi}
\define@key{thesis}{faculty}{% 
\def\thesis@faculty{#1}}

2.2.12 The department key

The \{⟨department=\text{name}⟩\} pair sets the name of the department, at which the thesis is being written, to \text{name}. Unlike the university and faculty identifiers, fitthesis4 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.

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

2.2.13 The departmentEn key

The \{⟨departmentEn=\text{name}⟩\} 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.

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

2.2.14 The programme key

The \{⟨programme=\text{name}⟩\} 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.

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

2.2.15 The programmeEn key

The \{⟨programmeEn=\text{name}⟩\} 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@def{programmeEn}
\define@key{thesis}{programmeEn}{% 
\def\thesis@programmeEn{#1}}
\section*{2.2.16 The field key}

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

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

\section*{2.2.17 The fieldEn key}

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

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

\section*{2.2.18 The universityLogo key}

The \{\langle universityLogo\rangle\} pair sets the filename of the logo file to be used as the university logo to \textit{filename}. The \textit{filename} is stored within the \texttt{\thesis@universityLogo} macro, whose implicit value is \texttt{fithesis-base-\thesis@locale}. The \texttt{fithesis-} prefix serves to prevent package clashes with other similarly named files within the \LaTeX\ directory structure. The logo file is loaded from the \texttt{\thesis@logopath\thesis@universityLogo} path.

\begin{verbatim}
\thesis@universityLogo=\texttt{fithesis-base-\thesis@locale}
\define@key{thesis}{universityLogo}{%
  \def\thesis@universityLogo{#1}}
\end{verbatim}

\section*{2.2.19 The facultyLogo key}

The \{\langle facultyLogo\rangle\} pair sets the filename of the logo file to be used as the faculty logo to \textit{filename}. The \textit{filename} is stored within the \texttt{\thesis@facultyLogo} macro, whose implicit value is \texttt{fithesis-\thesis@faculty-\thesis@locale}. The \texttt{fithesis-} prefix serves to prevent package clashes with other similarly named files within the \LaTeX\ directory structure. The logo file is loaded from the \texttt{\thesis@logopath\thesis@facultyLogo} path.

\begin{verbatim}
\thesis@facultyLogo=\texttt{fithesis-\thesis@faculty-\thesis@locale}
\define@key{thesis}{facultyLogo}{%
  \def\thesis@facultyLogo{#1}}
\end{verbatim}
2.2.20 The style key

The \{\langle style=filename \rangle\} 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@university-\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@university-\thesis@faculty}
\define@key{thesis}{style}{% 
  \def\thesis@style{#1}}
\end{verbatim}

2.2.21 The styleInheritance key

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

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

2.2.22 The locale key

The \{\langle locale=name \rangle\} 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}{% 
    \def\thesis@locale{#1}}
\end{verbatim}

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

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

2.2.23 The localeInheritance key

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

newif\ifthesis@locale@inheritance\thesis@locale@inheritance=true\newif\ifthesis@locale@inheritance\thesis@locale@inheritance=false
\begingroup\thesis@locale@inheritance=true%\thesis@locale@inheritance=false%\fi

2.2.24 The date key

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

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

- \thesis@date – The entire date
- \thesis@year – The YYYY of date
- \thesis@month – The MM of date
- \thesis@day – The DD of date
- \thesis@season – Expands to either:
  - spring if 2 < MM < 9,
- fall if \( MM \leq 2 \) or \( MM \geq 9 \).

\thesis@seasonYear

- \thesis@seasonYear - The year of the given semester:
  - \( YYYY - 1 \) if \( MM \leq 2 \).
  - \( YYYY \) if \( MM > 2 \)

\thesis@academicYear

- \thesis@academicYear - The academic year of the given semester:
  - \( YYYY - 1/YYYY \) if \( MM < 9 \).
  - \( YYYY/YYYY + 1 \) if \( MM \geq 9 \)

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

```latex
\def\thesis@parseDate#1/#2/#3|{
  % Set the basic macros
  \gdef\thesis@date{#1/#2/#3}%
  \gdef\thesis@year{#1}%
  \gdef\thesis@month{#2}%
  \gdef\thesis@day{#3}%
  % Set the season
  \newcount\@month\expandafter\@month\thesis@month\relax
  \ifnum\@month>8\gdef\thesis@season{fall}\else\ifnum\@month<3\gdef\thesis@season{fall}\else\gdef\thesis@season{spring}\fi\fi
  % Set the academic year
  \newcount\@year\expandafter\@year\thesis@year\relax
  \ifnum\@month>8\edef\@yearA{\the\@year}%
  \edef\@yearB{\the\@year}\advance\@year-1\edef\@yearA{\the\@year}%
  \edef\@yearB{\the\@year}\else\edef\@yearA{\the\@year}%
  \edef\@yearB{\the\@year}\advance\@year-1\edef\@yearA{\the\@year}%
  \edef\@yearB{\the\@year}\fi
  \global\edef\thesis@academicYear{\@yearA/\@yearB}
  % Set the season year
  \newcount\@month\expandafter\@month\thesis@month\relax
  \ifnum\@month>2\else\advance\@year-1\fi
  \global\edef\thesis@seasonYear{\the\@year}\}
```

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\thesisplace \subsection{The place key}
The \texttt{\{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 \texttt{\thesisplace} macro, whose implicit value is Brno.

\begin{verbatim}
def\thesisplace{Brno}
\end{verbatim}

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

\begin{verbatim}
def\thesis\{title\}\{title\}(%
def\thesis@title{#1}\
\end{verbatim}

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

\begin{verbatim}
def\thesis@TeXtitle{\thesis@title}
\end{verbatim}

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

\begin{verbatim}
def\thesis\{titleEn\}\{titleEn\}(%
def\thesis@titleEn{#1}\
\end{verbatim}

\thesis@titleEn
2.2.29 The \TeXtitleEn key

The \{\TeXtitleEn=\textit{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}
\def\thesis@TeXtitleEn{\thesis@titleEn}
\define@key{thesis}{TeXtitleEn}{%}
\end{verbatim}

2.2.30 The keywords key

The \{\textit{keywords}=\textit{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}
\thesis@def{keywords}
\define@key{thesis}{keywords}{%}
\end{verbatim}

2.2.31 The \TeXkeywords key

The \{\TeXkeywords=\textit{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}
\def\thesis@TeXkeywords{\thesis@keywords}
\define@key{thesis}{TeXkeywords}{%}
\end{verbatim}

2.2.32 The keywordsEn key

The \{\textit{keywordsEn}=\textit{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}
\thesis@def{keywordsEn}
\define@key{thesis}{keywordsEn}{%}
\end{verbatim}

2.2.33 The \TeXkeywordsEn key

The \{\TeXkeywordsEn=\textit{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}
\def\thesis@TeXkeywordsEn{\thesis@keywordsEn}
\define@key{thesis}{TeXkeywordsEn}{%}
\end{verbatim}
\thesis@abstract \subsection{The abstract key}

The \{(abstract=text)\} pair sets the abstract of the thesis to text. The text is stored within the \thesis@abstract macro.

\thesis@abstractEn \subsection{The abstractEn key}

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

\thesis@advisor \subsection{The advisor key}

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

\thesis@thanks \subsection{The thanks key}

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

\thesis@assignmentFiles \subsection{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.

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 \textbf{2.2.39 The \texttt{bib} key}

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

\begin{verbatim}
261 \def\thesis@bibFiles{#1}
\end{verbatim}

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 \textbf{2.2.40 The \texttt{autoLayout} key}

The \texttt{\{autoLayout=\textit{bool}\}} pair either enables, if \textit{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 \texttt{\ifthesis@auto ... \else ... \fi} conditional. The autolayout is enabled by default.

\begin{verbatim}
263 \newif\ifthesis@auto\thesis@autotrue
264 \define@key{thesis}{autoLayout}[true]{% 265 \def\@true{true}% 266 \def\@arg{#1}% 267 \ifx\@true\@arg 268 \thesis@autotrue 269 \else 270 \thesis@autofalse 271 \fi}
\end{verbatim}

\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 \texttt{??}.

\begin{verbatim}
272 \ifx\thesis@pages@preamble\undefined
273 \def\thesis@pages@preamble{??}\fi
\end{verbatim}

\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 \texttt{??}.

\begin{verbatim}
274 \ifx\thesis@pages@postamble\undefined
275 \def\thesis@pages@postamble{??}\fi
\end{verbatim}

\thesis@preamble The \thesis@preamble and \thesis@postamble macros temporarily switch to the hyphenation patterns and the \texttt{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...
\thesis@blocks@mainMatter 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@preamble\relax
\let\thesis@blocks@mainMatter\relax

Before expanding \thesis@blocks@postamble inside a \TeX{} group, the \thesis@postamble macro defines the \thesis@pages@postamble macro, writes the definition to the auxiliary file, and clears the page.

\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}
\let\thesis@blocks@postamble\relax
\let\thesis@blocks@mainMatter\relax

2.2.41 The extra key

The {⟨extra=⟨keyvals⟩⟩} pair enables the definition of extra data fields, where keyvals is a comma-delimited list of key=value pairs as defined by the keyval package. For each key=value pair, a \thesis@extra@key is defined to be 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@sp@def\XKV@sp@def{%
    Patch the xkeyval package to support unknown keys.
  \long\def\XKV@expand@after\XKV@expand@after{%
    Patch the xkeyval package to support unknown keys.
  \long\def\XKV@expand@after\XKV@expand@after{%
    Patch the xkeyval package to support unknown keys.
  \long\def\XKV@expand@after\XKV@expand@after{%
    Patch the xkeyval package to support unknown keys.
  \long\def\XKV@expand@after\XKV@expand@after{%
    Patch the xkeyval package to support unknown keys.
Patch the keyval package to support unknown keys.
The `\thesis@def@extra` 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.

The public macro `\thesislong{⟨key⟩}{⟨value⟩}`, can be used as an alternative to the `\thesissetup{(⟨key⟩) = ⟨⟨value⟩⟩}` public macro:

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

This macro is a relict of the time when `\thesissetup` did not accept multi-paragraph 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 Lua\TeX into defining \\@locale for locales with known hyphenation patterns, unless babel or polyglossia have been loaded. In that case, \@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 meta-
data 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 2021/07/18 v1.0.1 fithesis4 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.

\begin{verbatim}
def\thesis@exists#1#2{% 
  \IfFileExists{#1}{#2}{% 
    \ClassWarning{fithesis4}{File #1 doesn't exist}}}
\end{verbatim}

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

\begin{verbatim}
def\thesis@input#1{% 
  \thesis@exists{#1}{\input{#1}}}
\end{verbatim}

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

\begin{verbatim}
def\thesis@require[#1][#2]{% 
  \thesis@exists{#2.sty}{\thesis@require[#1]{#2}}}
\end{verbatim}

\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-\thesis@university-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.

\begin{verbatim}
def\thesis@requireStyle[#1]{% 
  \ifthesis@style@inheritance
    \thesis@requireIfExists{\thesis@stylepath fithesis-base}%
    \thesis@requireIfExists{\thesis@stylepath \thesis@university/fithesis-\thesis@university-base}%
  \fi}
\end{verbatim}

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

1. \thesis@localepath fithesis-locale.def
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.

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

### 3.2 String manipulation macros

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

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

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

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

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

```latex
\def\thesis@lower#1\{%\% 
  \let\ea\expandafter 
  \ea\MakeLowercase\ea\{\csname thesis@#1\endcsname\}
\def\thesis@upper#1\{%\% 
```
The \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 name gets fully expanded and can therefore contain active characters and command sequences.

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

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

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

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 ??.
\ifx\thesis@pages\undefined\def\thesis@pages{??}\fi

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

This macro should always be used within a group, so that the locale, csquotes, and hyphenation settings return back to what the user has specified after the localized blocks of typographic material.
\def\thesis@selectLocale#1{\thesis@locale{#1}}
\ifx\thesis@locale\undefined\def\thesis@locale{??}\fi
The \thesis@patch{⟨versions⟩}{⟨patch⟩} macro expands patch, if \thesis@version@number (defined at the top of the file fithesis4.cls) matches any of the comma-delimited versions. This macro enables the simple deployment of version-targeted patches.

\thesis@xpatch The \thesis@xpatch{⟨command⟩}{⟨search⟩}{⟨replace⟩} macro is used to replace search with replace in the definition of command. If the replacement fails, a class error is written to the output.

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.

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
- \thesis@locale@advisorSignature – The label of the author’s signature field

where locale is the name of the locale.
3.4.2 English locale files

3.4.2.1 The locale/fithesis-english.def file

This is the base file of the English locale.

\ProvidesFile{fithesis/locale/fithesis-english.def}[2021/02/26]

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

\begin{verbatim}
\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 ...}
\def\thesis@english@csquotesStyle{english}
\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.\selectlanguage{english}
\newcount\@month\expandafter\@month\thesis@month\relax
\ifnum\@month=1\relax January\else\ifnum\@month=2\relax February\else\ifnum\@month=3\relax March\else\ifnum\@month=4\relax April\else\ifnum\@month=5\relax May\else\ifnum\@month=6\relax June\else\ifnum\@month=7\relax July\else\ifnum\@month=8\relax August\else\ifnum\@month=9\relax September\else\ifnum\@month=10\relax October\else\ifnum\@month=11\relax November\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
\end{verbatim}
3.4.2.2 The locale/mu/fithesis-english.def file

This is the English locale file specific to the Masaryk University in Brno. It replaces the universityName placeholder with the correct value and defines the
declaration and idTitle strings.
\ProvidesFile{fithesis/locale/mu/fithesis-english.def}[2017/07/09]
\gdef\thesis@english@universityName{Masaryk University}
\gdef\thesis@english@declaration{%
Hereby I declare that this paper is my original authorial work, which I have worked out on my own. All sources, references, and literature used or excerpted during elaboration of this work are properly cited and listed in complete reference to the due source.}
\% 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 <<assignment>> key.\fi
\% Bibliographic entry
\gdef\thesis@english@bib@title{Bibliographic record}
\gdef\thesis@english@bib@pages{p}
\gdef\thesis@english@bib@authorTitle\thesis@english@author\thesis@english@bib@title{Title of Thesis}
\gdef\thesis@english@bib@advisor\thesis@english@advisor\thesis@english@bib@title{Supervisor}
\gdef\thesis@english@bib@programme\thesis@english@programme\thesis@english@bib@title{Degree Programme}
\gdef\thesis@english@bib@field\thesis@english@field\thesis@english@bib@title{Degree Field}
\gdef\thesis@english@bib@academicYear\thesis@english@academicYear\thesis@english@bib@title{Academic Year}
\gdef\thesis@english@bib@pages\thesis@english@pages\thesis@english@bib@title{Number of Pages}
\gdef\thesis@english@bib@keywords\thesis@english@keywords\thesis@english@bib@title{Keywords Title}
\% Miscellaneous
\gdef\thesis@english@idTitle{UČO}

3.4.2.3 The locale/mu/law/fithesis-english.def file
This is the English locale file specific to the Faculty of Law at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value
and defines the facultyLongName required by the \thesis@blocks@cover and the \thesis@blocks@titlePage blocks.

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

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

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

\ProvidesFile{fithesis/locale/mu/fsps/fithesis-english.def}[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]
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.

\ProvidesFile{fithesis/locale/mu/fi/fithesis-english.def}[2021/02/26]
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.

```latex
\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.

```latex
\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.

```latex
\ProvidesFile{fithesis/locale/mu/sci/fithesis-english.def}[2017/06/02]
\gdef\thesis@english@facultyName{Faculty of Science}
```

3.4.2.12 The locale/mu/pharm/fithesis-english.def file

This is the English locale file specific to the Faculty of Pharmacy at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and redefines the abstractTitle in accordance with the guidelines of the faculty.
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 \	hesis@czech@typeName@akuzativ containing the accusative case of the thesis type name.
\else\ifnum\@month=2\
února
\else\ifnum\@month=3\
března
\else\ifnum\@month=4\
dubna
\else\ifnum\@month=5\
května
\else\ifnum\@month=6\
června
\else\ifnum\@month=7\
července
\else\ifnum\@month=8\
srpna
\else\ifnum\@month=9\
září
\else\ifnum\@month=10\
října
\else\ifnum\@month=11\
listopadu
\else\ifnum\@month=12\
prosinec
\else
<<neznámý měsíc (\the\@month)>>
\fi\fi\fi\fi\fi\fi
\thesis@year}}
\thesis@czech@authorSignature{%
Podpis autor\ifthesis@woman ky\else a\fi}
\thesis@czech@advisorSignature{Podpis vedoucího}
\thesis@czech@fieldTitle{Obor}
\thesis@czech@advisorTitle{Vedoucí práce}
\thesis@czech@authorTitle{Autor}
\thesis@czech@abstractTitle{Shrnutí}
\thesis@czech@keywordsTitle{Klíčová slova}
\thesis@czech@thanksTitle{Poděkování}
\thesis@czech@declarationTitle{Prohlášení}
\thesis@czech@summaryTitle{Resumé}
\thesis@czech@idTitle{ID}
\thesis@czech@typeName@sempaper{Seminární práce}
\thesis@czech@typeName@bachelors{Bakalářská práce}
\thesis@czech@typeName@masters{Diplomová práce}
\thesis@czech@typeName@proposal{Teze závěrečné práce}
\thesis@czech@typeName@doctoral{Disertační práce}
\thesis@czech@typeName@rigorous{Rigorózní práce}
\thesis@czech@typeName{%
3.4.3.2 The locale/mu/fithesis-czech.def file

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

\ProvidesFile{fithesis/locale/mu/fithesis-czech.def}[2017/07/09]

\gdef\thesis@czech@universityName{Masarykova univerzita}
\gdef\thesis@czech@declaration{Prohlašuji, že jsem \thesis@lower{czech@typeName@akuzativ} zpracoval% \thesis@czech@gender@koncovka samostatně a\-}

použil\thesis@czech@gender@koncovka\ jen prameny
uvedené v-seznamu literatury.}

\gdef\thesis@czech@assignment{%
\ifthesis@blocks@assignment@hideIfDigital@
\ifthesis@digital@
Na tomto místě se v-tištěné práci nachází oficiální podepsané
zadání práce.
\else
Místo tohoto listu vložte kopii oficiálního podepsaného zadání
práce.
\fi
\else
\fi
\}
\gdef\thesis@czech@bib@title{Bibliografický záznam}
\gdef\thesis@czech@bib@pages{str}
\global\let\thesis@czech@bib@author\thesis@czech@authorTitle
\gdef\thesis@czech@bib@thesisTitle{Název práce}
\global\let\thesis@czech@bib@advisor\thesis@czech@advisorTitle
\gdef\thesis@czech@bib@programme{Studijní program}
\gdef\thesis@czech@bib@field\thesis@czech@fieldTitle
\gdef\thesis@czech@bib@academicYear{Akademický rok}
\gdef\thesis@czech@bib@pages{Počet stran}
\gdef\thesis@czech@bib@keywords\thesis@czech@keywordsTitle
\gdef\thesis@czech@idTitle{UČO}

3.4.3.3 The \texttt{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 \texttt{facultyName} placeholder with the correct value, defines the \texttt{facultyLongName} required by the \texttt{\thesis@blocks@cover} and the \texttt{\thesis@blocks@titlePage} blocks and replaces the \texttt{abstractTitle} string in accordance with the requirements of the faculty.

\ProvidesFile{fithesis/locale/mu/law/fithesis-czech.def}[2015/06/26]
\gdef\thesis@czech@facultyName{Právnická fakulta}
\gdef\thesis@czech@facultyLongName{Právnická fakulta Masarykovy univerzity}
3.4.3.4 The locale/mu/fsps/fithesis-czech.def file

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

\ProvidesFile{fithesis/locale/mu/fsps/fithesis-czech.def}[2017/05/15]
\% Zástupné texty
\gdef\thesis@czech@facultyName{Fakulta sportovních studií}
\gdef\thesis@czech@declaration{Prohlašuji, že jsem vypracoval\thesis@czech@gender@koncovka samostatně a na základě literatury a pramenů uvedených v použitých zdrojích.}
\% Různé
\gdef\thesis@czech@fieldTitle{Specializace}

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

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

\ProvidesFile{fithesis/locale/mu/fss/fithesis-czech.def}[2016/05/25]
\% Zástupné texty
\gdef\thesis@czech@facultyName{Fakulta sociálních studií}
\gdef\thesis@czech@assignment{% \thesis@digital@
\ifthesis@digital@
Na tomto místě se v tištěné práci nachází oficiální podepsané zadání práce, prohlášení autora školního díla nebo obojí.
\else
Místo tohoto listu vložte kopie oficiálního podepsaného zadání práce nebo prohlášení autora školního díla nebo obojí v závislosti na požadavcích příslušné katedry.
\fi
\% Různé
\gdef\thesis@czech@fieldTitle{Specializace}

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.

\ProvidesFile{fithesis/locale/mu/econ/fithesis-czech.def}[2017/07/09]
The following extra data field is defined for declaration string:

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

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.

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.
Na tomto místě se vtištěné práci nachází oficiální podepsané zadání práce a-prohlášení autora školního díla.

\else
Místo tohoto listu vložte kopie oficiálního podepsaného zadání práce a-prohlášení autora školního díla.
\fi
\gdef\thesis@czech@declaration{%
Prohlašuji, že tato \thesis@lower{czech@typeName} je mým původním autorským dílem, které jsem vypracoval% \thesis@czech@gender@koncovka\ samostatně. Všechny zdroje, prameny a-literaturu, které jsem při vypracování používal\thesis@czech@gender@koncovka\ nebo z-ních \čerpal\thesis@czech@gender@koncovka, v-práci řádně cituji s-uvedením úplného odkazu na příslušný zdroj.}

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

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@bibEntryCs 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.
3.4.3.12 The locale/mu/pharm/fithesis-czech.def file

This is the Czech locale file specific to the Faculty of Pharmacy at the Masaryk University in Brno. It replaces the \thesis\@czech\@facultyName placeholder with the correct value and redefines the \thesis\@czech\@abstractTitle accordance with the guidelines of the faculty.

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.
Na tomto mieste sa v tlačenej práci nachádza oficiálne podpísané zadanie práce.

% Časové údaje
\thesis@slovak@spring{jar}
\thesis@slovak@fall{jeseň}
\thesis@slovak@semester{\thesis@slovak@season \thesis@seasonYear}
\thesis@slovak@formattedDate{{\day.
\newcount\@month\expandafter\@month\thesis@month\relax
\ifnum\@month=1%
januára
\else\ifnum\@month=2%
februára
\else\ifnum\@month=3%
marca
\else\ifnum\@month=4%
apríla
\else\ifnum\@month=5%
mája
\else\ifnum\@month=6%
júna
\else\ifnum\@month=7%
júla
\else\ifnum\@month=8%
augusta
\else\ifnum\@month=9%
septembra
\else\ifnum\@month=10%
októbra
\else\ifnum\@month=11%
ovembra
\else\ifnum\@month=12%
decembra
\else<<neznámý mesiac (\the\@month)>>
\fi\fi\fi\fi\fi\fi\fi
\fi\fi\fi\fi\fi\fi\fi
\thesis@year}}

% Rôzne
\thesis@slovak@authorSignature{Podpis autor
\ifthesis@woman ky\else a\fi}
\thesis@slovak@advisorSignature{Podpis vedúceho}
\thesis@slovak@fieldTitle{Odbor}
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{Vyhlasujem, že som predloženú \thesis@lower{\thesis@slovak@typeName@akuzativ} vypracoval\thesis@slovak@gender@koncovka samostatne len s paužitím uvedenej literatúry a prameňov.}
\gdef\thesis@slovak@assignment{\ifthesis@blocks@assignment@hideIfDigital@\ifthesis@digital@Na tomto mieste sa v tlačenej práci nachádza oficiálne podpísané zadanie práce.\else\else \else Namiesto tejto stránky vložte kópiu oficiálneho podpísaného zadania práce.\fi\fi\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@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
\global\let\thesis@slovak@bib@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.

1194 \ProvidesFile{fithesis/locale/mu/law/fithesis-slovak.def}[2015/06/26]
1195
1196 \% Rôzne
1197 \gdef\thesis@slovak@abstractTitle{Abstrakt}
1198
1199 \% Zástupné texty
1200 \gdef\thesis@slovak@facultyName{Právnická fakulta}
1201 \gdef\thesis@slovak@facultyLongName{Právnická fakulta Masarykovej univerzity}

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

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

1203 \ProvidesFile{fithesis/locale/mu/fsps/fithesis-slovak.def}[2017/05/15]
1204
1205 \% Zástupné texty
1206 \gdef\thesis@slovak@facultyName{Fakulta športových štúdií}
1207 \gdef\thesis@slovak@declaration{%
1208 Vyhlásujem, že som \thesis@lower{svetlo@typeName@akuzativ} vypracoval\thesis@slovak@gender@koncovka samostatne a na základe literatúry a-prameňov uvedených v-použitých zdrojoch.}
1210 \gdef\thesis@slovak@fieldTitle{Špecializácie}

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

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

1215 \ProvidesFile{fithesis/locale/mu/fss/fithesis-slovak.def}[2016/05/25]
1216
1217 \% Zástupné texty
1218 \gdef\thesis@slovak@facultyName{Fakulta sociálnych štúdií}
1219 \gdef\thesis@slovak@assignment{%
1220 \thesis@digital@ %
1221 Na tomto mieste sa v-tlačenej práci nachádza oficiálne
3.4.4.6 The locale/mu/econ/fithesis-slovak.def file

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

\ProvidesFile{fithesis/locale/mu/econ/fithesis-slovak.def}[2017/07/09]
% Zástupné texty
\gdef\thesis@slovak@facultyName{Ekonomicko-správna fakulta}
% Rôzne
\gdef\thesis@slovak@abstractTitle{Anotácie}

The following extra data field is defined for the declaration string:

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

\thesis@def@extra{advisorSkGenitiv}
\gdef\thesis@slovak@declaration{Vyhlasujem, že som \thesis@lower{slovak@typeName@akuzativ} \thesis@title{} spracoval% \thesis@slovak@gender@koncovka\ samostatne pod vedením \thesis@extra@advisorSkGenitiv\ a~uvied\ifthesis@woman la\else ol\fi\ v~nej všetky odborné zdroje v~súlade s~právnymi predpismi, vnútornými predpismi Masarykovej univerzity a~vnútornými aktmi riadenia Masarykovej univerzity a~Ekonomicko-správnej fakulty MU.}

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

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

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

\ProvidesFile{fithesis/locale/mu/fi/fithesis-slovak.def}[2021/02/26]

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]

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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
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.

3.4.4.12 The locale/mu/pharm/fithesis-slovak.def file

This is the Slovak locale file specific to the Faculty of Pharmacy at the Masaryk University in Brno. It replaces the facultyName placeholder with the correct value and redefines the abstractTitle in accordance with the guidelines of the faculty.

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 dtxut, 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

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

\thesis@blocks@postamble

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

\thesis@blocks@mainMatter

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

3.5.2 Base style files

3.5.2.1 The style/fithesis-base.sty file

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

\ProvidesPackage{fithesis/style/fithesis-base}[2018/02/11]
\NeedsTeXFormat{LaTeX2e}
\DeclareRobustCommand\em{\@nomath\em \ifdim \fontdimen\@ne\font >\z@ \eminnershape \else \itshape \fi}%

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

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

\ProvidesPackage{fithesis/style/mu/fithesis-mu-base}[2021/05/23]
\NeedsTeXFormat{LaTeX2e}
\newif\ifthesis@twoside
The file recognizes the following options:

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

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

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

\ifthesis@twoside@
\newif\ifthesis@twoside@

\DeclareOption{oneside}{% 
  \thesis@twoside@false \twosidetrue \@mparswitchfalse}
\DeclareOption{twoside}{% 
  \thesis@twoside@true \@twosidetrue \@mparswitchtrue}

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

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

• draft, final – Overfull lines either are or aren’t marked within the document, respectively, and graphics either aren’t or are inserted into the document, respectively.

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

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

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

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

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

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

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

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

\newif\ifthesis@newtable@
\DeclareOption{table}{\thesis@newtable@true}
\DeclareOption{oldtable}{\thesis@newtable@false}
The choice of the option name is deliberate – the redefinition of the table environments depends on the xcolor package, which needs to be loaded with the table option. Since so many other packages depend on the xcolor package and this style file is loaded at the very end of the preamble, there would either be a great chance of an option clash, or the option would have to be passed to the xcolor package before the preamble from the body of the fithesis4 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.

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

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

- **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.

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

- **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.

```latex
\DeclareOption{nocover}{\thesis@cover@false}
\DeclareOption{cover}{\thesis@cover@true}
```

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

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

These are the default options:

```latex
\ExecuteOptions{%
  printed,12pt,twoside,final,microtype,palatino,oldtable,lot,lof}
\ProcessOptions*
```
The file uses English locale strings within the macros.

The file loads the following packages:

- **xcolor** – Adds support for color.
- **caption** – Adds support for changing the formatting of float captions.
- **ifxetex** – Used to detect the XeLaTeX engine.
- **ifluatex** – Used to detect the LuaLaTeX engine.
- **graphicx** – 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.
- **tabularx** – Provides the tabularx environment, which enables the typesetting of tables with flexible-width columns.
- **tabu** – Provides the tabu environment, which enables the typesetting of complex tables.
- **booktabs** – A package, which allows the creation of publication-quality tables in LaTeX.

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

If the \thesis@microtype@ is set to true, then the microtype package gets loaded.
Using the \ifetex and \ifluatex conditionals, a compound \thesis@xeluatex conditional was constructed. This conditional can be used by subsequently loaded style files to test, whether either the \TeX\ or the \LaTeX\ engine is being used.

\begin{verbatim}
\let\x\expandafter
\ifetex
\x\global\x\let\x\ifthesis@xeluatex\csname if%
\ifetex true\else\ifluatex\x\x\x\x\x\x\x\x\x\x\x\x\x\x\x e%\else\x\x\x\x\x\x\x\x\x\x\x\x\x\x\x e%\fi\fi\endcsname
\else
\x\x\x\x\x\x\x\x\x\x\x\x\x\x\x s\x\x\x e%\fi
\end{verbatim}

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

- \texttt{fontspec} – Allows the selection of system-installed fonts.
- \texttt{unicode-math} – Allows the selection of system-installed mathematical fonts.

Under \TeX, \LaTeX, the \TeX\ Gyre Pagella and \TeX\ Gyre Pagella Math fonts are also selected as the main text and math fonts and the \TeX\ Gyre Heros font is selected as the main sans serif font.

\begin{verbatim}
\ifthesis@xeluatex
thesis@require{fontspec}
thesis@require{unicode-math}
\setmainfont[Ligatures=TeX]{TeX Gyre Pagella}
\setsansfont[Ligatures=TeX,Scale=MatchLowercase]{TeX Gyre Heros}
\setmathfont[math-style=ISO,bold-style=ISO]{texgyrepagella-math.otf}
\else
\RequirePackage[resetfonts]{cmap}
thesis@require{lmodern}
\end{verbatim}

The following packages get only loaded, when the document is not being typeset using the \TeX\ engine and the \thesis@palatino@ conditional is true:

- \texttt{cmap} – Places an explicit ToUnicode map in the resulting PDF file, allowing for the extraction of the text from the document.
- \texttt{mathpazo} – Changes the default math font family to mathpazo.
- \texttt{tgpagella} – Changes the default roman font family to \TeX\ Gyre Pagella.
- \texttt{tgheros} – Changes the default sans-serif font face to \TeX\ Gyre Heros.
- \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}
\end{verbatim}
If the \thesis@newtable@ conditional is true, then some of the dimensions associated with tables are modified in preparation for the coloring of the table cells.

\let\thesis@newtable@old\tabular
\let\endthesis@newtable@old\endtabular
\ifthesis@newtable@
  % Adjust the measurements.
  \setlength{\aboverulesep}{0pt}
  \setlength{\belowrulesep}{0pt}
  \setlength{\extrarowheight}{.75ex}
\fi

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

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

\ifthesis@color@
  % The redefinition of ‘tabular’
  \renewenvironment{tabular}{\rowcolors{1}{thesis@color@tableOdd}{thesis@color@tableEven}\thesis@newtable@old}{\endthesis@newtable@old}
  % The redefinition of ‘tabularx’
  \renewenvironment{tabularx}{\rowcolors{1}{thesis@color@tableOdd}{thesis@color@tableEven}\thesis@newtable@oldx}{\endthesis@newtable@oldx}
  % The redefinition of ‘tabu’
  \renewenvironment{tabu}{\rowcolors{1}{thesis@color@tableOdd}{thesis@color@tableEven}\thesis@newtable@oldtabu}{\endthesis@newtable@oldtabu}
\fi
A new conditional, `\ifthesis@bibliography`, is defined. This conditional is true, when `\thesis@bibFiles` expands to a non-empty token list.

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

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

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

The following key-value pairs are supported:

\thesis@bibliography@style 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).

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

The following extra data field is defined for the macro:

- bibliography – the comma-delimited list of key-value pairs accepted by `\thesis@bibliography@setup`. If the data field was specified, it is immediately passed to `\thesis@bibliography@setup` and it overrides any defaults specified in faculty style files.

\thesis@def@extra[\{}{bibliography}
\if\thesis@extra@bibliography\thesis@placeholder@extra@bibliography\else
\expandafter\thesis@bibliography@setup\expandafter{\thesis@extra@bibliography}\fi

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

\thesis@bibliography@load
\thesis@bibliography@loaded

\thesis@bibliography@setup{style = iso-numeric, sorting = none}
% FIXME: This is a hotfix for biblatex.
% It should be removed after v3.17 has been released.
% See https://tex.stackexchange.com/a/581469/70941.
\thesis@require{expl3}
\thesis@require\[
backend=biber,
style=\thesis@bibliography@style,
autolang=other,
sortlocale=auto\]{biblatex}
% Load the bibliography databases.
{\edef\@bibList{\thesis@bibFiles}%
\let\thesis@printbibliography@old\printbibliography
\let\thesis@printbibliography@old\printbibliography

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
In the digital version, the hyperref package is configured to decorate hyperlinks with an underline instead of a rectangular box. In the printed version, the hyperref package is configured to hide links.

In this file, clubs and widows are set to be infinitely bad.

The file defines the \thesis@color@setup\color{colors} command, where \textit{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 \textit{color} option is specified.

The following key-value pairs are supported:

1. \texttt{\{links=color\}} – Sets the color of hyperref links to \textit{color} and stores it under the name \texttt{thesis@color@links}. The default color of links is specified by the hyperref package.

2. \texttt{\{secondary=color\}} – Stores the secondary color that is used with the bold type face under the name \texttt{thesis@color@secondary}. The default secondary color for the Masaryk University is RGB 0, 0, 220.

3. \texttt{\{tableOdd=color\}} – Stores the color of the odd rows of the redefined \texttt{tabular} and \texttt{tabularx} environments under the name \texttt{thesis@color@tableOdd}.

4. \texttt{\{tableEven=color\}} – Stores the color of the even rows of the redefined \texttt{tabular} and \texttt{tabularx} environments under the name \texttt{thesis@color@tableEven}.

5. \texttt{\{tableEmph=color\}} – Stores the color of an emphasized cell in a table under the name \texttt{thesis@color@tableEmph}. This color is meant to be used manually by the user.
The \bfseries macro is redefined to switch to the sans serif type face in the secondary color. The original definition of \bfseries is stored in the \thesis@bfseries@old macro.

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.

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.

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

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.
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.

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

The \thesis@blocks@logo\{\langle pathname \rangle\}{\langle options \rangle} macro typesets the pathname logo with the given options passed to \includegraphics.

\thesis@blocks@logo
\newcommand{\thesis@blocks@logo}[2]{{
    \let\@logowidth\relax\newlength\@logowidth
    \let\@logoheight\relax\newlength\@logoheight
    \settowidth{\@logowidth}{\includegraphics[#2]{#1}}%
    \settoheight{\@logoheight}{\includegraphics[#2]{#1}}%
    \def\@maxwidth##1{\ifdim\@logowidth>##1 ##1\else\@logowidth\fi}
    \def\@maxheight##1{\ifdim\@logoheight>##1 ##1\else\@logoheight\fi}
    \includegraphics[width=\@maxwidth{6.3cm}, height=\@maxheight{4cm},
    keepaspectratio, #2]{#1}}}

The \thesis@blocks@facultyLogo@monochrome\{\langle options \rangle\} macro typesets the \thesis@logopath\thesis@facultyLogo logo with the given options passed to \includegraphics.

\thesis@blocks@facultyLogo@monochrome
\newcommand{\thesis@blocks@facultyLogo@monochrome}[1]{{
    \edef\@path{\thesis@logopath\thesis@facultyLogo\ifthesis@color@-color\fi}\
    \expandafter\thesis@blocks@logo\expandafter{\@path}{#1}}}

The \thesis@blocks@facultyLogo@color\{\langle options \rangle\} 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.

\thesis@blocks@facultyLogo@color
\newcommand{\thesis@blocks@facultyLogo@color}[1]{{
    \edef\@path{\thesis@logopath\thesis@facultyLogo}\ifthesis@color@ \else\thesis@logopath\thesis@facultyLogo-color\fi}\
    \expandafter\thesis@blocks@logo\expandafter{\@path}{#1}}}

The \thesis@blocks@universityLogo@monochrome\{\langle options \rangle\} macro typesets the \thesis@logopath\thesis@universityLogo logo with the given options passed to \includegraphics.

\thesis@blocks@universityLogo@monochrome
\newcommand{\thesis@blocks@universityLogo@monochrome}[1]{{
    \edef\@path{\thesis@logopath\thesis@universityLogo}\ifthesis@color@ \else\thesis@logopath\thesis@universityLogo-color\fi}\
    \expandafter\thesis@blocks@logo\expandafter{\@path}{#1}}
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.

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.

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

\thesis@blocks@advisorSignature The \thesis@blocks@advisorSignature macro produces space for the thesis advisor's signature.
The \thesis@blocks@titlePage macro typesets the thesis title page. The output of the \thesis@blocks@titlePage macro is controlled by the following conditionals:

1. \ifthesis@blocks@titlePage@department@ – This conditional expression determines, whether the department name is going to be included in the title page. The default value of this conditional is true.

2. \ifthesis@blocks@titlePage@field@ – This conditional expression determines, whether the field of study is going to be included in the title page. The default value of this conditional is true.

3. \ifthesis@blocks@titlePage@programme@ – This conditional expression determines, whether the study programme is going to be included in 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 macro without altering its definition.

\begin{verbatim}
\thesis@blocks@advisorSignature{%
\let\@A\relax\newlength{@A}
\settowidth{@A}{\thesis@@{advisorSignature}}
\setlength{@A}{@A+1cm}
\hfill\raisebox{-0.5em}{\parbox{@A}{
\centering
\rule{@A}{1pt}\}
\thesis@@{advisorSignature}
}}%
\thesis@blocks@titlePage
\newif\ifthesis@blocks@titlePage@department@
\thesis@blocks@titlePage@department@true
\newif\ifthesis@blocks@titlePage@field@
\thesis@blocks@titlePage@field@true
\newif\ifthesis@blocks@titlePage@programme@
\thesis@blocks@titlePage@programme@true
\thesis@blocks@titlePage{%
\thesis@blocks@clear
\begin{alwayssingle}%
\thispagestyle{empty}%
\begin{center}%
\thesis@blocks@universityLogo@color
\par\vspace{0.75cm}%
\thesis@@upper{facultyName}\par%
\vfill
\thesis@TeXtitle\par%
\vspace{1.5cm}%
\thesis@@Large{typeName}\par%
\vspace{1.5cm}%
\thesis@@upper{author}\par%
\end{center}%
\end{alwayssingle}%
\thesis@blocks@universityLogo@color
\end{verbatim}
If this is a rigorous thesis or a PhD thesis proposal, create space for the advisor’s signature.

\thesis@blocks@seal  The \thesis@blocks@seal macro typesets the seal of a faculty.

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

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

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

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

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

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

\def\thesis@blocks@abstract{% 
\begin{alwayssingle}\
\vskip 40 \p@
\let\thesis@blocks@clear\relax
\chapter*{\thesis@@{abstractTitle}}\
\noindent\thesis@abstract
\par\vfill\null
\end{alwayssingle}}

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

\def\thesis@blocks@abstractEn{% 
\if\thesis@english\else
(\let\thesis@blocks@clear\relax
\chapter*{\thesis@@{abstractTitle}}\
\noindent\thesis@abstract
\par\vfill\null
\end{alwayssingle}\fi}

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

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

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

\thesis@blocks@assignment 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.

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

Locally define \@inject as our routine for injecting lists of PDF documents.
\def\@inject##1,{\thesis@blocks@clear\def\@args{##1}\def\@relax{\relax}\ifx\@args\@relax\else% Trim leading spaces.
\edef\@trimmed{\romannumeral-\,.##1}\% Rewind the pages and include the PDF.
\thesis@rewind\includepdf[pages=-]\@trimmed\ea\@inject\fi}\% If the \ifthesis@blocks@assignment@ conditional is true and the \thesis@assignmentFiles macro is neither undefined nor empty, then typeset a placeholder page, if the \ifthesis@digital@ conditional is true and the \ifthesis@blocks@assignmane@hideIfDigital@ conditional is true
\if\@pdfList\empty\else\ifthesis@digital@
\ifthesis@blocks@assignment@hideIfDigital@
\thesis@blocks@clear\begin{alwayssingle}%
\thispagestyle{empty}\thesis@rewind\noindent\textit{\thesis@@{assignment}}%
\end{alwayssingle}%
\else\ea\@inject\@pdfList,\relax,\fi\else\ea\@inject\@pdfList,\relax,\fi\fi}\	hesis@blocks@mainMatter The \thesis@blocks@mainMatter macro sets up the style of the main matter of the thesis.
\thesis@blocks@bibEntry The \thesis@blocks@bibEntry macro typesets a bibliographical entry. Along with the macros required by the locale file interface, the locale files need to define the following strings:
• bib@title – The title of the entire block
• bib@pages – The abbreviation of pages used in the bibliographical entry

\def\thesis@blocks@bibEntry{\
  \chapter*{\thesis@@{bib@title}}
  % Calculate the width of the columns
  \let\@A\relax\newlength{\@A}\settowidth{\@A}{%\
    \bf\thesis@@{bib@author}:}}
  \let\@B\relax\newlength{\@B}\settowidth{\@B}{%\
    \bf\thesis@@{bib@thesisTitle}:}}
  \let\@C\relax\newlength{\@C}\settowidth{\@C}{%\
    \bf\thesis@@{bib@programme}:}}
  \let\@D\relax\newlength{\@D}\settowidth{\@D}{%\
    \bf\thesis@@{bib@field}:}}
  \let\@E\relax\newlength{\@E}
  \settowidth{\@E}{{\bf\thesis@@{bib@advisor}:}}
  \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
  \noindent\begin{thesis@newtable@old}\%\
  {\@{}p{\@left}@{\hskip\@skip}p{\@right}@{}}
  \textbf{\thesis@@{bib@author}:%\
    \ifthesis@english\else\ifthesis@woman ka\fi\fi\{}} & 
  \noindent\parbox[t]{\@right}{\%\
    \thesis@title
    \thesis@programme
    \thesis@field
    \thesis@advisor
    \thesis@academicYear
  \end{thesis@newtable@old}
\textbf{\thesis@bib@pages}:
\textbf{\thesis@bib@keywords}:
\textbf{\thesis@TeXkeywords}:
\thesis@blocks@bibliography

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

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-mu-10.clo}, \texttt{fithesis-mu-11.clo} or \texttt{fithesis-mu-12.clo} file is loaded from the \thesis@stylepath mu directory, respectively.

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

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

% Load the ‘fithesis-mu-1*.clo’ size option.
\input{thesis@stylepath mu/fithesis-mu-\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{%
      \ifnum\c@secnumdepth >\m@ne
        \thechapter. %
      \fi
    \elFiltextwidth(71

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\section*{Appendix C: Technical Details}

\subsection*{C.1: Problem Formulation}

\begin{equation}
\frac{\partial u}{\partial t} + \nabla \cdot (\mathbf{u} \mathbf{u}) = \nabla \cdot (\mathbf{f} + \mathbf{u} \nabla \phi) + \mathbf{g}
\end{equation}

\subsection*{C.2: Numerical Methods}

\texttt{Finite Difference Method:}

\begin{equation}
\frac{u_{i,j}^{n+1} - u_{i,j}^{n}}{\Delta t} = \frac{u_{i+1,j}^{n} - 2u_{i,j}^{n} + u_{i-1,j}^{n}}{\Delta x^2} + \frac{u_{i,j+1}^{n} - 2u_{i,j}^{n} + u_{i,j-1}^{n}}{\Delta y^2}
\end{equation}

\texttt{Spectral Method:}

\begin{equation}
\frac{\hat{u}_{k,l}^{n+1} - \hat{u}_{k,l}^{n}}{\Delta t} = -i \omega \hat{u}_{k,l}^{n} + \mathbf{K}_h \hat{u}_{k,l}^{n}
\end{equation}

\subsection*{C.3: Results and Discussion}

The results show a significant improvement in convergence rate compared to the previous method. Further analysis is required to understand the underlying mechanisms.

\section*{Appendix D: Code Examples}

\texttt{C++ Code Snippet:}

\begin{verbatim}
#include <iostream>

int main()
{
    std::cout << "Hello, World!" << std::endl;
    return 0;
}
\end{verbatim}

\texttt{Python Code Snippet:}

\begin{verbatim}
import numpy as np

def function(x):
    return x**2

result = function(3)
print(result)
\end{verbatim}

\section*{Appendix E: Acknowledgments}

The authors would like to thank the anonymous reviewers for their invaluable comments and suggestions. This work was supported by the National Science Foundation.
1984 \pdfstringdefDisableCommands{%
1985 \let\MakeUppercase\relax
1986
1987% Set up the ToC entries appearance.
1988\renewcommand*{\toc@font}[1]{%
1989\ifcase #1\relax
1990\bfseries % \chapter (0)
1991\or
1992\slshape % \section (1)
1993\else
1994\rmfamily % \subsection (2), \subsubsection (3)
1995% \paragraph, \subparagraph (4)
1996\fi}
1997
1998% Set up the table of contents entries for sectioning commands.
1999\renewcommand*{\l@part}[2]{%
2000\ifnum c@tocdepth >-2\relax
2001\addpenalty{-\@highpenalty}%
2002\ifnum c@tocdepth >0\relax
2003\addvspace{2.25em \@plus\p@}%
2004\else
2005\addvspace{1.0em \@plus\p@}%
2006\fi
2007\begingroup
2008\setlength{\@tempdima}{3em}%
2009\parindent \z@ \rightskip \@pnumwidth
2010\parfillskip -\@pnumwidth
2011{\leavevmode \bfseries #1\hfil \hb@xt\@pnumwidth{\hss #2}}\par
2012\nobreak
2013\global\nobreaktrue
2014\everypar{\global\nobreakfalse\everypar{}}%
2015\endgroup
2016\fi}
2017
2018\renewcommand*{\l@chapter}[2]{%
2019\ifnum c@tocdepth >0\relax
2020\addpenalty{-\@highpenalty}%
2021\addvspace{1.0em \@plus\p@}%
2022\setlength{\@tempdima}{1.5em}%
2023\begingroup
2024\parindent \z@ \rightskip \@pnumwidth
2025\parfillskip -\@pnumwidth
2026(\leavevmode
2027\normalfont \bfseries #1\hfil \hb@xt\@pnumwidth{\hss #2})\par
2028\nobreak
2029\global\nobreaktrue
2030\everypar{\global\nobreakfalse\everypar{}}%
2031\endgroup
2032\else
2033\fi
\endgroup
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.

3.5.2.3 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 The \texttt{style/mu/fithesis-11.clo} file

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

\renewcommand\normalsize{\fontsize{14}{19.2pt}\selectfont}
\abovedisplayskip 11\p@ plus3\p@ minus6\p@
\belowdisplayskip \abovedisplayskip
\belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
% \abovedisplayshortskip \z@ plus3\p@
\let\@listi\@listI}
\abovedisplayskip 10\p@ plus2\p@ minus5\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus3\p@
\belowdisplayshortskip 6\p@ plus3\p@ minus3\p@
\def\@listi\leftmargini
\topsep 6\p@ plus2\p@ minus\p@ parsep 3\p@ plus2\p@ minus\p@
\itemsep \parsep}}
\renewcommand\footnotesize{\fontsize{11}{14.4pt}\selectfont}
\abovedisplayskip \@plus2\p@ minus4\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus\p@
\belowdisplayshortskip 4\p@ plus2\p@ minus2\p@
\def\@listi\leftmargini
\topsep 4\p@ plus2\p@ minus2\p@ parsep 2\p@ plus\p@ minus\p@
\itemsep \parsep}}
\renewcommand\scriptsize{\fontsize{9.5pt}{11.4pt}\selectfont}
\renewcommand\tiny{\fontsize{7pt}{8.4pt}\selectfont}
\renewcommand\large{\fontsize{14pt}{19.2pt}\selectfont}
\renewcommand\Large{\fontsize{18pt}{24pt}\selectfont}
\renewcommand\LARGE{\fontsize{22pt}{28.8pt}\selectfont}
\renewcommand\huge{\fontsize{25pt}{32pt}\selectfont}
\renewcommand\Huge{\fontsize{27pt}{36pt}\selectfont}
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
\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.

\ProvidesFile{fithesis/style/mu/fithesis-mu-12.clo}[2021/02/21]
\def\thesis@titlePage@normalsize{\fontsize\@xipt{14.5}{}
\selectfont\abovedisplayskip 12\p@ plus3\p@ minus7\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus3\p@
\belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
\let\@listi\@listI\par
\def\thesis@titlePage@small{\fontsize\@xipt{13.6}{}
\abovedisplayskip 11\p@ plus3\p@ minus6\p@
\belowdisplayskip \abovedisplayskip
\abovedisplayshortskip \z@ plus3\p@
\belowdisplayshortskip 6.5\p@ plus3.5\p@ minus3\p@
\def\@listi{\leftmargin\leftmargini \parsep 4.5\p@ plus2\p@ minus\p@
\itemsep \parsep
\topsep 9\p@ plus3\p@ minus5\p@}}
\def\thesis@titlePage@footnotesize{\fontsize\@xipt{12}{}
\abovedisplayskip \abovedisplayskip
\belowdisplayskip \abovedisplayskip

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\textwidth 5.0truein
\columnsep 10pt
\columnseprule 0pt
\footnotesep 6.65pt
\skip\footins 9pt plus 4pt minus 2pt
\floatsep 12pt plus 2pt minus 2pt
\textfloatsep 20pt plus 2pt minus 4pt
\intextsep 12pt plus 2pt minus 2pt
\dblfloatsep 12pt plus 2pt minus 2pt
\dbltextfloatsep 20pt plus 2pt minus 4pt
\@fptop 0pt plus 1fil
\@fpsep 8pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblftop 0pt plus 1fil
\@dblfpsep 8pt plus 2fil
\@dblfpbot 0pt plus 1fil
\@marginparpush 5pt
\parskip 0pt plus 1pt
\partopsep 2pt plus 1pt minus 1pt
\parskip 0pt plus 1pt minus 1pt
\textheight = 39\baselineskip
\advance\textheight by \topskip
\textwidth 5.0truein
\columnsep 10pt
\columnseprule 0pt
\footnotesep 7.7pt
\skip\footins 10pt plus 4pt minus 2pt
\floatsep 12pt plus 2pt minus 2pt
\textfloatsep 20pt plus 2pt minus 4pt
\intextsep 12pt plus 2pt minus 2pt
\dblfloatsep 12pt plus 2pt minus 2pt
\dbltextfloatsep 20pt plus 2pt minus 4pt
\@fptop 0pt plus 1fil
\@fpsep 8pt plus 2fil
\@fpbot 0pt plus 1fil
\@dblftop 0pt plus 1fil
\@dblfpsep 8pt plus 2fil
\@dblfpbot 0pt plus 1fil
\@marginparpush 5pt
\parskip 0pt plus 0pt
\partopsep 3pt plus 1pt minus 2pt
\begin{itemize}
\item \text{item one}
\item \text{item two}
\item \text{item three}
\end{itemize}
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 faculty directive.\footnote{See \url{https://is.muni.cz/auth/do/fi/uredni_deska/predpisy/smernice/Smernice_dekana_1_2021_zaverecne_prace.pdf}}

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-mu-fi}[2021/04/24]

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{\color{HTML}{FFD451},\color{HTML}{FFD451},\color{HTML}{FFF9E5},\color{HTML}{FFECB3}}

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

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

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

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

\thesis@blocks@declaration

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

\thesis@blocks@clear
\begin{alwayssingle}
\chapter*{\thesis@@{declarationTitle}}
\thesis@declaration
In Ph.D. theses, only the table of contents will be typeset in the front matter as per the formal requirements of the faculty\textsuperscript{2}.

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.

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\textsuperscript{3}.

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-mu-sci}[2021/07/18]

\textsuperscript{2}See http://is.muni.cz/www/2575/dtedi/index_en.html
\textsuperscript{3}See https://is.muni.cz/auth/do/sci/normy/00/00-2019_3/00_3_2019_-_Pokyny_pro_vypracovani_bc_.dipl_.a_rigor.praci.pdf
The file defines the color scheme of the respective faculty. Note that the color definitions are in RGB, which makes the resulting files generally unsuitable for printing.

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

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

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

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

```latex
\thesis@blocks@titlePage@field@false
\thesis@blocks@titlePage@programme@false
\thesis@blocks@assignment@hideIfDigital@false
```

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

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

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.

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

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.

```latex
\def\thesis@blocks@preamble{
  \thesis@blocks@coverMatter
  \thesis@blocks@cover
  \thesis@blocks@frontMatter
  \thesis@blocks@titlePage
  \thesis@blocks@seal
  \ifx\thesis@type\thesis@proposal
```

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3.5.5 The style files of the Faculty of Arts

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

This is the style file for the theses written at the Faculty of Arts at the Masaryk University in Brno. It has been prepared in accordance with the formal requirements published at the website of the department of Slavonic Studies.

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-mu-phil}[2021/04/24]

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}{6FCEF2},
  tableEmph={HTML}{78CEF0},
  tableOdd={HTML}{EBF6FA},
  tableEven={HTML}{D0EBF5}}

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

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

\thesis@bibliography@load

---

The style file 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\(^5\) (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.

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.

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

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

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 apa citations are used and the bibliography is sorted by name, title, and year.

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@frontMatter
 \thesis@blocks@titlePage
 \thesis@blocks@seal


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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. It has been prepared in accordance with the MS template of the faculty.\footnote{See https://is.muni.cz/auth/do/fss/sablona_zaverecne_prace/sablonaDP-MUNI-FSS.dotx}

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-mu-fss}[2021/04/24]

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

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

The \thesis@bibliography@setup macro sets up the style of the bibliography. The bibliography is sorted by name, title, and year.

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

\thesis@bibliography@load

\thesis@blocks@frontMatter

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

\def\thesis@blocks@frontMatter{%
\pagestyle{plain}
\setcounter{page}{1}
\setcounter{section}{0}
\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@FrontMatter
  \thesis@blocks@TitlePage
  \thesis@blocks@Seal
  \thesis@blocks@BibEntry
  \thesis@blocks@Abstract
  \thesis@blocks@AbstractEn
  \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\(^8\).

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-mu-law}[2021/07/18]

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}{CF86EB},
  tableEmph={HTML}{D39BE8},
  tableOdd={HTML}{F2EBF5},
  tableEven={HTML}{E5CCED}}

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

\thesis@bibliography@setup{%
  style=iso-authortitle,
  sorting=nyt%
\thesis@bibliography@load

Each footnote is uniquely numbered across the entire document as per the formal requirements of the faculty.

The style file configures the upper part of the title page headers to include the name of the department and the study field which are by default in the bottom part of the title page.

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

\begin{verbatim}
\def\thesis@blocks@mainMatter{\thesis@blocks@clear
\pagestyle{thesisheadings}\parindent 1.5em\relax}
\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 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@clear
\pagestyle{plain}\setcounter{page}{1}\thesis@blocks@declaration\thesis@blocks@clear\thesis@blocks@abstract\thesis@blocks@keywords\thesis@blocks@thanks
\thesis@blocks@tables}
\end{verbatim}

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

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

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\footnote{See \url{https://is.muni.cz/auth/do/econ/uredni_deska/predpisy_ESF/smernice/smernice_dekana/94383996/} and \url{https://is.muni.cz/auth/do/econ/uredni_deska/predpisy_ESF/smernice/smernice_dekana/104768134/}}.

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 iso-authoryear citations are used and the bibliography is sorted by name, title, and year.

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.

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

The \thesis@blocks@cover macro typesets the cover page. Compared to the definition within the style/mu/base.sty file, this macro does not include the title of the thesis, and typesets the name of the author at the bottom of the page.
The \thesis@blocks@frontMatter macro sets up the style of the front matter of the thesis. The page numbering is arabic as per the formal requirements and it is hidden. In case of double-sided typesetting, the geometry is altered according to the requirements of the faculty.

\def\thesis@blocks@frontMatter{%
\thesis@blocks@clear
\newgeometry{top=25mm,bottom=20mm,left=35mm,
right=15mm, includeheadfoot}
\pagestyle{empty}
\parindent 1.5em
\setcounter{page}{1}
pagenumbering{arabic}}

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 matter as per the formal requirements.

\def\thesis@blocks@mainMatter{%
\thesis@blocks@clear
\newgeometry{top=25mm,bottom=20mm,left=35mm,
right=15mm, includeheadfoot}
\pagestyle{thesisheadings}
\parindent 1.5em\relax}

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

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

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

\ifx\thesis@blocks@lot\relax\else
\def\thesis@blocks@lot{%
\thesis@blocks@clear

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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.

\begin{verbatim}
\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%
  \setlength{\@A}{\thesis@@{authorSignature}}
  \noindent\thesis@TeXsignature}
\end{verbatim}

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

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

\begin{verbatim}
\def\thesis@blocks@keywords{%
  \begin{alwayssingle}%
  \vskip 40\p@
  \let\thesis@blocks@clear\relax
  \chapter*{\thesis@@{keywordsTitle}}%
  \thesis@TeXkeywords}
\end{verbatim}
\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@summary The \thesis@blocks@summary macro typesets the summary for doctoral theses. If the thesis type is not doctoral, the macro produces no output.
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{% \ifx\thesis@doctoral\thesis@type\thesis@blocks@summary\else\fi \thesis@blocks@bibliography %}

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 faculty.\footnote{See https://is.muni.cz/do/med/uredni_deska/pravni_normy/smernice_dekana/2020/smernice_lf_mu_2020_.-_pokyny_k_formalnim_nalezitostem_zaverecnych_bakalarskych_Smernice_LF_MU_2-2020_.-Pokyny_k_formalnim_nalezitostem_zaverecnych_bakalarskych_a_diplomovych_prac_vypracovanych_na_Lekarske_fakulte_MU.pdf}

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-mu-med}[2021/07/18]

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}{F58E76},
  tableEmph={HTML}{FF9D85},
  tableOdd={HTML}{FFF5F6},
  tableEven={HTML}{FFDEDF}}

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

\thesis@bibliography@setup{%
  style=authortitle,
  sorting=ynt
}\thesis@bibliography@load

The AMA citation style is defined using authortitle as the basis. The following code has been adapted from https://tex.stackexchange.com/a/233423/70941.

\ifthesis@bibliography@loaded@
\DeclareNameAlias{sortname}{last-first}
\renewcommand*{\revsdnamepunct}{ }
\DeclareFieldFormat[article,inbook,incollection,inproceedings,patent,thesis,unpublished]{title}{{#1\isdot}}
\renewbibmacro{in:}{}
\DeclareFieldFormat{pages}{#1}
\renewcommand*{\bibpagespunct}{\addcolon}
\DeclareFieldFormat{journaltitle}{#1\addperiod}
\fi

\ifthesis@bibliography@loaded@
\DeclareNameAlias{sortname}{last-first}
\renewcommand*{\revsdnamepunct}{ }
\DeclareFieldFormat[article,inbook,incollection,inproceedings,patent,thesis,unpublished]{title}{{#1\isdot}}
\renewbibmacro{in:}{}
\DeclareFieldFormat{pages}{#1}
\renewcommand*{\bibpagespunct}{\addcolon}
\DeclareFieldFormat{journaltitle}{#1\addperiod}
\fi
The file loads the following packages:

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

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

The style file configures the upper part of the title page headers to include the the name of the department and the study programme which are by default in the bottom part of the title page. Upon failure of the `xpatchcmd`, \thesis@xpatchError is called.
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.

\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. 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 and postamble that are not defined within this file are defined in the style/mu/fithesis-base.sty file.

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-mu-fsps}[2021/07/18]

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.

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

\begin{thebibliography}{10}

\bibitem{fsps}
See \url{https://is.muni.cz/auth/do/fsps/fak_preditny/smernice-dekana/2020-03_Smernice_pokyny_vypracovani_ZP_bc-mgr-rig.pdf}
\end{thebibliography}
The file loads the following packages:

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

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

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

\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 page numbering doesn’t reset at the beginning of the main thesis in accordance with the formal 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 \texttt{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

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 \texttt{style/mu/fithesis-base.sty} file.
3.5.12 The style files of the Faculty of Pharmacy

3.5.12.1 The style/mu/fithesis-pharm.sty file

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

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fithesis/style/mu/fithesis-mu-pharm}[2018/06/11]

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}{A0B9C5},
  tableEmph={HTML}{B0C3CF},
  tableOdd={HTML}{EFF3F6},
  tableEven={HTML}{D6E1E6}}

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.
- setspace – Used for setting space.

\thesis@require{tikz}
\thesis@require{geometry}
\thesis@require{setspace}
\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
\thesis@blocks@frontMatter

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

\begin{verbatim}
\def\thesis@blocks@frontMatter{%
  \thesis@blocks@clear
  \newgeometry{top=25mm, bottom=20mm, left=35mm, right=15mm, includeheadfoot}
  \pagestyle{empty}
  \setcounter{page}{1}
  \pagenumbering{roman}}
\end{verbatim}

\thesis@blocks@mainMatter

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

\begin{verbatim}
\def\thesis@blocks@mainMatter{%
  \thesis@blocks@clear
  \newgeometry{top=25mm, bottom=20mm, left=35mm, right=15mm, includeheadfoot}
  \setcounter{page}{1}
  \pagenumbering{arabic}
  \pagestyle{thesisheadings}
  \parindent 1.5em
  \onehalfspacing}
\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 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@frontMatter
  \thesis@blocks@titlePage
  \thesis@blocks@seal
  \thesis@blocks@bibEntry
  \thesis@blocks@abstract
  \thesis@blocks@bibEntryEn
  \thesis@blocks@abstractEn
  \thesis@blocks@assignment
  \thesis@blocks@declaration
  \thesis@blocks@thanks
  \thesis@blocks@tables}
\end{verbatim}

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

\begin{verbatim}
\def\thesis@blocks@postamble{%
  \thesis@blocks@bibliography}
\end{verbatim}
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Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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\. ........................................ 1512, 1774
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General: bachelor project of Daniel Marek under supervision of Petr Sojka

v0.0a
General: changes by Jan Pavlovič to allow fithesis being backend of docbook based system for
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  General: new release, documentation editing (CZ only, sorry) [PS] 1
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  General: minor documentation changes (CZ only, sorry) [PS] 1
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  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
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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 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] 

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

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]  

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]  

122
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 wherever possible. Added the opt-out microtype class option, which loads the microtypographic extension. The \thesis@locale@summer and @winter locale macros were renamed to @spring and @fall. The \thesis@parseDate now uses more realistic month ranges to set \thesis@season and \thesis@academicYear.  
    Removed the extraneous indent in the \thesis@blocks@declaration macro definition within the style/mu/fithesis-fi.sty style file. \paragraph s 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.

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.

v0.3.27:4
General: \thesis@english@declaration now uses the correct idiom (by one's own \rightarrow on one's own).

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 csquotes 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
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 style/mu/fithesis-1*.clo and style/mu/fithesis-base.sty files was refactored and reformatted. Alternative templates for the Faculty of Science at the Masaryk University in Brno are now mentioned in the respective user guide. [VN] ................ 1

v0.3.31:3
General: The style/mu/fithesis-sci.sty style file redefines \thesis@blocks@declaration to include a formatted date and an author’s signature field. The locale file style/mu/sci/czech.def contains a new string \thesis@czech@formattedDate. [VN] ................ 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/ directory is now also uses the 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 \l@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

v0.3.39:1
General: The \thesis@blocks@bibliography now uses an emergency stretch of 3em in the style files of 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 \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 \thesis@blocks@thanks and \thesis@blocks@declaration macros in style/mu/fithesis-sci.sty.
The patch was submitted by Juraj Páleník. [VN] ...................... 85
\thesis@blocks@abstractEn: Simplified the definition of \thesis@blocks@abstractEn in style/mu/fithesis-base.sty.
[VN] ...................... 66
\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. [VN] ...................... 95
\thesis@blocks@keywordsEn: Simplified the definition of \thesis@blocks@keywordsEn in style/mu/fithesis-base.sty.
[VN] ...................... 67
General: Lifted the authorSignature and formattedDate strings to the global locale file interface. [VN] ...................... 28
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. [VN] ...................... 31, 38, 46
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. [VN] ...................... 95
The documentation now points to the 2/2017 dean’s directive for the Faculty of Economics and Administration, Masaryk University, Brno. [VN] 93

Updated the \abstractTitle string in locale/mu/econ/*.def in accordance with the 2/2017 dean’s directive. The patch was submitted by Jana Ratašká. [VN] 33, 40, 48

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. [VN] 31, 38, 46

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 Ratašká. [VN] 93

Moved the \ifthesis@digital tests from locale/*/*.def to locale/mu/*/*.def, since \ifthesis@digital is undefined in fithesis3.cls. [VN] 29, 31, 35, 38, 44, 46

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] 46

Removed an extraneous \vskip in the style files for the Masaryk University in Brno. [VN] 93, 98, 101

v0.3.50

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

\thesissetup: Make writes immediate, so that they do not get lost when they occur at an empty page. [VN] 19

v1.0.0

\thesis@blocks@abstract:
   Changed clearpage to \vskip so it is by default on the same page when the template contains bibEntry. [TV] 66

\thesis@blocks@abstractEn:
   Changed clearpage to \vskip so it is by default on the same page when the template contains bibEntry. [TV] 66

\thesis@blocks@advisorSignature:
   63

\thesis@blocks@bibEntry:
   The \thesis@blocks@bibEntry command was expanded to more closely resemble Faculty of Science’s bibEntry. The \thesis@blocks@bibEntryEn was added. [TV] 69

\thesis@blocks@cover:
   63

Removal of the header conditionals as the covers are unified for all faculties and shouldn’t need to be modified. [TV] 63

v0.3.51

\thesis@bibliography@setup: 58

General: 60
Redefined keywords, keywordsEn macros so they by default start on the same page as the the previous element and are in the lower part of the page. [TV] .......................... 66

Added \thesis@xpatch command. [TV] .................. 4

 Added conditional redefinition for the study field. [TV] ..... 98

 Added conditional redefinition for the study programme. [TV] ....................... 91

 Added conditional to add summary for doctoral theses. [TV] ....................... 87

 Added conditional to include summary in doctoral theses. [TV] ....................... 97

 Added redefinition of conditionals to exclude the study field and the study programme from the title page. [TV] ....................... 84

 Added redefinition of the conditional to exclude the study field from the title page. [TV] ....................... 89, 93

 Added redefinition of the conditionals to exclude the study programme and the study field from the title page. [TV] ....................... 85

 Added redefinition of the titlePage layout as per the faculty requirements.

General:

84, 85, 87, 88, 90, 92, 96, 100, 102
Department name and field are in the upper part of the titlePage. [TV] ............... 91
Added redefinition of the titlePage layout as per the faculty requirements.
Department name and programme are in the upper part of the titlePage. [TV] .... 98
Added required package tikz for bibEntry. [TV] ............... 55
Added title for summary. [TV] .................. 30, 36, 44
Files were renamed after breaking changes in package loading after PR 438 in \f{f}i{f}X2e. [VN] ............... 52, 71, 74–76, 83, 84, 86, 88–90, 92, 97, 100
Lifted the advisorSignature string to the global locale file interface. [VN] . 28, 30, 33, 36, 40, 44, 49, 83
Lifted the bib@programme, bib@academicYear, and bib@pages strings from locale/mu/sci/*.def to locale/mu/*.def, so that they can be shared with other faculties. [TV] ............... 31, 38, 46
Macros for abstract and abstractEn were moved to base.dtx. [TV] ............... 95
Redefine all predefined page styles of the backend class, so that they can't be accidentally activated. [VN] ............... 72
Reorganised the blocks to fit the faculty's requirements. [TV] . . . . 84, 85, 87, 88, 90, 92, 96, 100, 102
Styles for list of figures and list of tables were redefined to achieve unified look with toc. [TV] . . . . 74
Updated urls to show the most recent requirements and recommendations used in preparation of the template. [TV] 83, 84, 86, 88–90, 93, 97, 100

v1.0.1
\thesis@blocks@frontMatter: 91
\thesis@blocks@mainMatter: 99
\thesis@blocks@mainMatter: 101

General:
92
100
86
103

130