# The mines-thesis class $^{\ast}$

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#### Abstract

This package provides a class for graduate students at Colorado School of Mines to prepare their theses and dissertations.

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<sup>\*</sup>This document corresponds to mines-thesis v1.0, dated 2020/01/10.

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## 1 User's Guide

#### 1.1 Installation

## 1.2 Invocation and Options

#### \documentclass

The mines-thesis class is invoked in the standard fashion.

 $\documentclass[\langle options \rangle] \{ mines-thesis \}$ 

There are several options corresponding to the type of the document and its general appearance. They are described below. Generally speaking, the options have key=value forms, for example,

\documentclass[10pt]{mines-thesis}

The default options are letterpaper,12pt. TODO review? oneside? onecolumn,draft,openany

# 1.3 Preprogrammed Formats

\title
\author
\year
\degree
\advisor
\coadvisor
\department
\departmenthead
abstract

The environment abstract must *precede* the \makefrontmatter command. Again, this is different from the standard LATEX. Putting abstract after \makefrontmatter will trigger an error.

\begin{abstract}
Here goes the abstract...
\end{abstract}

#### \makefrontmatter

The front matter of a thesis includes:

- 1. Title page (Required)
- 2. Copyright page
- 3. Submittal page (Required)
- 4. Abstract (Required)
- 5. Table of Contents (Required)
- 6. Lists (Required if included in thesis)
  - (a) List of Figures

- (b) List of Tables
- (c) List of Equations (optional)
- (d) List of Plates
- (e) List of Symbols
- 7. Acknowledgments
- 8. Dedication

#### Invoking

#### \makefrontmatter

will generate all components listed above. It can be commented out until you need the front matter generated.

\chapter
\section
\subsection
\subsubsection
\paragraph
landscape

Try the lscape package: lscape.sty Produce landscape pages in a (mainly) portrait document. This modifies the margins and rotates the page contents but not the page number. Useful, for example, with large multipage tables, and is compatible with the packages longtable and supertabular. If you are using pdfLaTeX, you should use pdflscape instead. The pdflscape package adds PDF support to the landscape environment of package lscape, by setting the PDF/Rotate page attribute. Pages with this attribute will be displayed in landscape orientation by conforming PDF viewers:

begin{landscape}
Here goes the figure or table...
\end{landscape}

\OnehalfSpacing \DoubleSpacing SingleSpace

\OnehalfSpacing \OnehalfSpacing\* \DoubleSpacing \DoubleSpacing\* Text will be double spaced or 1.5 spaced. Sometimes it is also required to make page notes and floats (including captions) in 'double' spacing. The starred version of the two macros above takes care of this.

# 2 Frequently Asked Questions

Blank pages. If you use landscape and got extra blank pages, it if mostly because your figure is too large. You need to resize the height or width of the figure. For example, instead of \includegraphics[width=\linewidth]{FigureName}, you should use \includegraphics[width=.6\linewidth]{FigureName}

When using line breaks in thesis title, chapter title, or section titles, use \protect\\ instead of \\. This is because these titles use both center environment and \MakeTextUppercase. \MakeLowercase are robust but they have moving arguments (see \protect).

# 3 Implementation

#### 3.1 Initial Code

These packages are useful when writing this .dtx file. The \ifthenelse macro controls many conditional logic command, So we load ifthen package. The \collect@body macro in amsmath is defined using \def. We load environ to access the \long version of this command.

- 1 \RequirePackage{ifthen}
- 2 \RequirePackage{environ}
- 3 \RequirePackage{calc}

#### 3.1.1 Declaration of Options

The review boolean is defined here for use with the class options.

- 4 \newboolean{review}
- 5 \DeclareOption{draft}{\setboolean{review}{true}}
- 6 \DeclareOption{final}{\setboolean{review}{false}
- 7 \PassOptionsToClass{final,12pt,onecolumn,openany}{memoir}}
- 8 \DeclareOption\*{
- 9 \PassOptionsToClass{\CurrentOption}{memoir}
- 10 }
- 11 \ExecuteOptions{final}

#### 3.1.2 Execution of Options

12 \ProcessOptions\relax

#### 3.1.3 Package Loading

13 \LoadClass[oneside,letterpaper]{memoir}

#### 3.2 Main Code

#### 3.2.1 Global Setting

In this section, we define margins, spacings, indentations, hyphenations, and so on. The page is set by \setpagecc to be centered with respect to the stock.

```
14 \setpagecc{11in}{8.5in}{*}
```

The margins is set to be 1in for all left, right, upper, and lower margins.

- 15 \setlrmarginsandblock{1in}{\*}{\*}
- 16 \setulmarginsandblock{1in}{\*}{\*}

If there is a header, its height would be **\onelineskip**. If there is a footer, it would be **2\onelineskip** below the body text. The header would be **2\onelineskip** above the body text.

- 17 \setheadfoot{\onelineskip}{2\onelineskip}
- 18 \setheaderspaces{\*}{2\onelineskip}{\*}

By default, we use double spacing for the thesis/dissertaion.

- 19 \DoubleSpacing
- 20 \@ifundefined{DoubleSpacing}{
- 21 \newcommand{\linespace}{1.5}
- 22 }{
- $23 \neq 23$
- 24 }

The paragraph indentation is 2em. 1em is roughly the width of a capital "M" in the current font. We will also indent the first paragraph after a section heading.

- 25 \setlength{\parindent}{2em}
- 26 \let\@afterindentfalse\@afterindenttrue
- 27 \@afterindenttrue

We check and implement the layout settings.

28 \checkandfixthelayout[nearest]

Moreover, we remove all interior spaces for list environments,

29 \tightlists % use \firmlists if vertical gaps is wanted

and prevent LATEX from hyphenating the entire document.

- 30 \tolerance=1
- 31 \emergencystretch=\maxdimen
- 32 \hyphenpenalty=10000
- 33 \hbadness=10000

We alse rename the headings for the toc, lof, lot, and the references. ALL UPPER CASE LETTERS are used.

- 34 \renewcommand{\abstractname}{ABSTRACT}
- 35 \renewcommand{\chaptername}{CHAPTER}
- 36 \renewcommand{\appendixname}{APPENDIX}
- 37 \renewcommand{\contentsname}{TABLE OF CONTENTS}
- 38 \renewcommand{\listfigurename}{LIST OF FIGURES}
- 39 \renewcommand{\listtablename}{LIST OF TABLES}
- 40 \newcommand{\acknowledgmentname}{ACKNOWLEDGMENTS}
- 41 \renewcommand{\bibname}{REFERENCES}

#### 3.2.2 Front Matter

\makefrontmatter

The \makefrontmatter will generate all front matter pages: \maketitlepage for Title Page, \makecopyrightpage for Copyright Page, \makesubmittalpage for Submittal Page, \makeabstractpage for Abstract, \makecft for Tables of Contents (toc) and Lists (List of Figures (lof) & List of Tables (lot)), \makeacknowledgepage for Acknowledgments, and \makededicationpage for Dedication.

First We define the macros for the informations and set their default values.

```
\title
                            \author
                                                                 42 \renewcommand{\year}[1]{\gdef\@year{#1}}
                                    \year
                                                                 43 \newcommand{\degree}[2]{\gdef\@degreelv{#1}\gdef\@degreename{#2}}
                            \degree
                                                                 44 \newcommand{\advisor}[1]{\gdef\@advisor{#1}}
                         \advisor
                                                                 45 \newcommand{\coadvisor}[1]{\gdef\@coadvisor{#1}}
                                                                 46 \newcommand{\department}[1]{\gdef\@department{#1}}
                  \coadvisor
                                                                 47 \end{\departmenthead} [1] {\departmenthead} {\departmenthead}
              \department
\departmenthead
                                                                 48 \gdef\@author{Student Name}
                                                                 49 \gdef\@title{This is the first line of a medium length title,
                                                                 50 \protect\\ this is the second line}
                                                                 51 \gdef\@year{2020}
                                                                 52 \gdef\@degreelv{Doctor of Philosophy}
                                                                 53 \gdef\@degreename{Computer Science}
                                                                 54 \gdef\@advisor{Dr. Main Advisor}
                                                                 55 \gdef\@department{Department of XXXXX}
                                                                 56 \gdef\@departmenthead{Dr. Department Head}
```

Then we design the title page.

\maketitlepage

The thesis title must be in all upper case letters, be centered on the page both horizontally and vertically, be in an inverted pyramid shape and the font size needs to be the same size as all other font in the main text (i.e. do not make the font size larger).

```
57 \newboolean{auto} % for auto pyramid
58 \setboolean{auto}{false}
59 \DeclareRobustCommand{\invpyr}[1]{
60 \vbox{
61 \vspace{10pt}
62 \hsize=\textwidth
63 \parindent=\z@
64 \emergencystretch=1in
65 \parshape 6
66 0.01\textwidth .98\textwidth
67 0.1\textwidth .8\textwidth
68 0.15\textwidth .7\textwidth
69 0.2\textwidth .6\textwidth
70 0.25\textwidth .5\textwidth
71 0.3\textwidth .4\textwidth
72 \leftskip=\z@ plus 1fil
```

```
73 \rightskip=\z@ plus -1fil
74 \parfillskip=\z@ plus 2fil
75 #1\par
76 }
77 }
78 \end{\autotitle} {\tt setboolean\{auto\}\{true\}\}}
79 \newcommand{\maketitlepage}{
80 \clearpage
81 \neq [\baselineskip]
82 \ge \{vplace\}
83 \centering
84 \ifthenelse{\boolean{auto}}
85 {\invpyr{\MakeTextUppercase{\@title}}}
86 {\cluster{0}{title}}
87 \end{vplace}
88 \begin{center}
89 by\\
90 \@author
91 \end{center}
92 \clearpage
93 } % end of \maketitlepage
  Next, the copyright page.
```

\makecopyrightpage

Copyright Page. This is an optional page that follows the title page. No displayed page number, centered upper and lower case text.

```
94 \newcommand{\makecopyrightpage}{
95 \clearpage
96 \begin{vplace}[0.8]
97 \centering
98 Copyright~by~\@author~\@year\\
99 All~Rights~Reserved
100 \end{vplace}
101 \clearpage
102 } % end of \makecopyrightpage
```

Next, the submittal page.

\makesubmittalpage

This is a required page that displays the Roman numeral ii page number. Beginning with this page, front matter Roman numeral page numbers are centered 1/2 inch from the bottom edge of page. All signatures are required before the final thesis format review.

```
103 \newcommand{\makesubmittalpage}{
104 \clearpage
105 A thesis submitted to the Faculty and the Board of
106 Trustees of the Colorado School of Mines in partial
107 fulfillment of the requirements for the degree of
108 {\@degreelv} ({\@degreename}).
109 \vspace{2em}
110 \begin{flushleft}
```

```
112 Date \underline{\hspace{2in}}
113 \end{flushleft}
114 \vspace{.5em}
115 \begin{flushright}
116 Signed: \underline{\hspace{2in}}\\
117 {\@author}\\[2em]
118 Signed: \underline{\hspace{2in}}\\
119 \begin{SingleSpace}
120 {\Qadvisor} \
121 Thesis Advisor\\[2em]
122 \end{SingleSpace}
123 \@ifundefined{@coadvisor}{
124 \vspace{2.5em}
125 }{
126 Signed: \label{line} 126 Signed: \label{line} 
127 \begin{SingleSpace}
128 {\@coadvisor}\\
129 Thesis Advisor
130 \end{SingleSpace}
132 \end{flushright}
133 \begin{flushleft}
134 Golden, Colorado\\[.5em]
135 Date \underline{\hspace{2in}}
136 \end{flushleft}
137 \vspace{.5em}
138 \begin{flushright}
139 Signed: \label{line} \
140 \begin{SingleSpace}
141 {\@departmenthead}\\
142 Professor and Head\\
143 {\@department}
144 \end{SingleSpace}
145 \end{flushright}
146 \clearpage
147 } % end of \makesubmittalpage
   Next, the abstract page.
ABSTRACT (title) is centered horizontally, 1 keyboard return below 1 inch top
margin and in ALL UPPER CASE LETTERS. Each paragraph should be in-
dented.
We redifine the abstract environment to save the text.
148 \newcommand{\@saveabstract}[1]{\long\gdef\@abstract{#1}}
149 \verb|\collect@Body\\@saveabstract\\{} \{
```

111 Golden, Colorado\\[.5em]

\makeabstractpage

abstract

\@saveabstract

```
150 \newcommand{\makeabstractpage}{
                  151 \clearpage
                  152 \chapter*{\abstractname}
                  153 \@abstract
                  154 \addcontentsline{toc}{chapter}{\abstractname}
                  155 \clearpage
                  156 } % end of \makeabstractpage
                     Next, the table of contents and lists.
                  \makecft generates Table of Contents, List of Figures, and List of Tables.
        \makecft
                  TABLE OF CONTENTS (Title) is centered horizontally, 1 keyboard return below
\tableofcontents
                  1 inch top margin and in ALL UPPER CASE LETTERS. Do not list the Table
                  of Contents in the Table of Contents page, so \tableofcontents* is used.
                  157 \renewcommand{\cftchapterdotsep}{\cftdotsep}
                  158 \verb|\command{\cftchapterfont}{\normalfont\MakeTextUppercase}|
                  159 \renewcommand{\cftchapterpagefont}{\normalfont}
                  160 \renewcommand{\cftchapterleader}{\cftdotfill{\cftchapterdotsep}}
                  161 \renewcommand{\cftchaptername}{\chaptername\space}
                  162 \renewcommand{\cftappendixname}{\appendixname\space}
                  163 \mbox{ }\mbox{cftdotsep}{1}
                  164\,\% ^^A no extra space before the entry, or in the lof/lot
                  165 \setlength{\cftbeforechapterskip}{\z@ plus \z@}
                  166 \renewcommand{\insertchapterspace}{}
                  167 % ^^A \renewcommand{\insertchapterspace}{
                  168 % ^^A \addtocontents{lof}{\protect\addvspace{5pt}}} % previous default 10pt
                  169 % ^^A
                            \addtocontents{lot}{\protect\addvspace{5pt}}
                  170 % ^^A }
                 Redefine the generic chapter/appendix toc entry typesetting.
     \1@chapapp
                  171 \renewcommand{\l@chapapp}[3]{%
                  172 \ifnum \c@tocdepth >\m@ne
                  173 \begin{SingleSpace}
                  174 \cftchapterbreak
                  175 \vskip \cftbeforechapterskip
                  176 {
                  177 \leftskip \cftchapterindent\relax
                             \memRTLleftskip \cftchapterindent\relax
                  178 %%%
                  179 \rightskip \@tocrmarg
                  180 %%%
                             \memRTLrightskip \@tocrmarg
                  181 \parfillskip -\rightskip
                             \parfillskip -\memRTLrightskip
                  183 \parindent \cftchapterindent\relax
                  184 \@afterindenttrue
                  185 \interlinepenalty\@M
                  186 \leavevmode
                  187 \let\@cftbsnum \cftchapterpresnum
                  188 \let\@cftasnum \cftchapteraftersnum
```

Abstract will show in the table of contents.

```
189 \let\@cftasnumb \cftchapteraftersnumb
                                            190 \def\@chapapp@head{#3}%
                                            191 \textbf{\endma} {\cftchapterfont\chapapp@head} \%
                                            192 \addtolength{\@tempdima}{\cftchapternumwidth}%
                                            193 \advance\leftskip \@tempdima \null\nobreak\hskip -\leftskip
                                                                   \advance\memRTLleftskip \Otempdima \null\nobreak\hskip -\memRTLleftskip
                                            195 {\cftchapterfont {#1}}\nobreak
                                            196 \cftchapterfillnum{#2}}
                                            197 \end{SingleSpace}
                                            198 \fi}
\cline{cont} \cl
                                            199 \newcommand{\@dottedtocline@sec}[5]{%
                                            200 \ifnum #1>\c@tocdepth \else
                                            201 \begin{SingleSpace}
                                            202 \vskip \z@ \@plus.2\p@
                                            203 {\leftskip #2\relax \rightskip \@tocrmarg \parfillskip -\rightskip
                                            204 \parindent #2\relax\@afterindenttrue
                                            205 \interlinepenalty\@M
                                            206 \leavevmode
                                            207 \@tempdima #3\relax
                                            208 \advance\leftskip \@tempdima \null\nobreak\hskip -\leftskip
                                            209 {#4}\nobreak
                                            210 \leq 10 
                                            211 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
                                            212 mu$}\hfill
                                            213 \nobreak
                                            214 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}%
                                            215 \par}
                                            216 \end{SingleSpace}%
                                            217 \fi}
                                            218 \renewcommand{\cftfigurename\space}
                                            219 \renewcommand{\cfttablename}{\tablename\space}
                    Multiple line figure captions are single spaced.
                                            220 \let\oldl@figure=\l@figure
                                            221 \renewcommand{\l@figure}{\SingleSpacing\oldl@figure}
                                          \left(\frac{\langle title \rangle}{\langle page \rangle}\right) typesets the lof entry for a \table caption heading.
                                            Multiple line table captions are single spaced.
                                            222 \let\oldl@table=\l@table
                                            223 \renewcommand{\l@table}{\SingleSpacing\oldl@table}
                                            224 \AtBeginDocument{
                                            225 \ensuremath{\mbox{\tt 0ifpackageloaded{hyperref}}} \{
                                            226 \settocpreprocessor{chapter}{%
                                            227 \let\tempf@rtoc\f@rtoc%
                                            228 \def\f@rtoc{%When hyperref is used,
```

```
229 \texorpdfstring{\MakeTextUppercase{\tempf@rtoc}}{\tempf@rtoc}}%
                         231 \renewcommand{\cftchapterfont}{\normalfont}
                         232 }{}
                         233 }
                         234 \newcommand{\makecft}{
                         235 \tableofcontents*
                         236 \clearpage
                         237 \listoffigures
                         238 \clearpage
                         239 \setminus listoftables
                         240 \clearpage
                         241 } % end of \makecft
           \lambda \lambda \convertex \lambda \lambda \text{gage}\} \text{typesets the toc entry for a \section heading.}
                         242 \mbox{ } \mbox{\em ommand} \mbox{\em odotsep}{1}
                         243 \mbox{ } \mbox{l@section}{
                         244 \@dottedtocline@sec{1}{1.5em}{2.3em}
                         245 }
                         ACKNOWLEDGMENTS (Title) is centered horizontally, 1 keyboard return below
 \makeacknowledgepage
                         1 inch top margin and in ALL UPPER CASE LETTERS.
                         We difine the acknowledgment environment. First, we need to save the text.
       acknowledgment
\@saveacknowledgments
                         246 \newcommand{\@saveacknowledgments}[1]{
                         247 \long\gdef\@acknowledgments{#1}}
                         248 \ensuremath{\verb| locknowledgment|{\collect@Body\\@saveacknowledgments}{}} \\
                         Acknowledgment page is not required.
                         249 \newcommand{\makeacknowledgepage}{
                         250 \@ifundefined{@acknowledgments}{}{
                         251 \clearpage
                         252 \verb|\chapter*{\acknowledgmentname}|
                         253 \@acknowledgments
                         254 \addcontentsline\{toc\}\{chapter\}\{\acknowledgmentname\}
                         255 \clearpage}
                         256 } % end of \makeacknowledgepage
  \makededicationpage
                         Dedication Page: A dedication page is optional and not frequently included in a
                         thesis. However, occasionally the thesis writer wants to dedicate the document
                         to a professional colleague, friend, or relative. A dedication typically expresses
                         gratitude for someone's support. If a dedication page is included, it is placed at
```

dedication We difine the dedication environment. First, we need to save the text.

numeral page numbering continues on the dedication page.

the end of the front matter section, following the acknowledgments. Typically, a dedication page has no title, it simply states, e.g., "For my father." Roman

```
\@savededication
```

\chapter

```
258 \geq 258 \leq 41
259 \newenvironment{dedication}{\Collect@Body\@savededication}{}
260 \newcommand{\makededicationpage}{
261 \@ifundefined{@dedication}{}{
262 \clearpage
263 \@dedication
264 \clearpage}
265 } % end of \makededicationpage
   Call single command \makefrontmatter to generate all front matters.
266 \mbox{ } \mbox{makefrontmatter}{
267 \pagenumbering{roman}
268 \pagestyle{empty}
269 \maketitlepage
270 \makecopyrightpage
271 \pagestyle{plain}
272 \setcounter{page}{2}
273 \makesubmittalpage
274 \text{ } \text{makeabstractpage}
275 \makecft
276 \makeacknowledgepage
277 \makededicationpage
278 \pagenumbering{arabic}
279 \setcounter{page}{1}
281 %\raggedright
282 %\raggedyright[Opt] % typeset flushright
283 \raggedyright[.5fil] % same as \raggedright
284 %\raggedyright[1fil] % same as \raggedright
285 %\raggedyright[0.5em] % less ragged than \raggedright
286 } % end of \makefrontmatter
3.2.3 Main Body
287 \makechapterstyle{mineschapter}{%
288 \setlength{\midchapskip}{.2\baselineskip}
289 \setlength{\afterchapskip}{.2\baselineskip}
290 \renewcommand{\chapnumfont}{\normalfont}
291 \renewcommand{\chaptitlefont}{\normalfont}
292 \renewcommand{\chapterheadstart}{}
293 \renewcommand{\printchapternum}{}
294 \renewcommand{\printchapternonum}{}
295 \renewcommand{\printchaptername}{%
```

257 \newcommand{\@savededication}[1]{

296 \centerline{\chapnumfont\MakeTextUppercase{\@chapapp\ \thechapter}}}

297 \renewcommand{\printchaptertitle}[1]{%

```
298 \centering \vbox{\chaptitlefont\invpyr{\MakeTextUppercase{##1}}}
                    299 }
                    300 }
                    301 \chapterstyle{mineschapter}
   \reproduceinfo Information about the reproduced chapter. Including the author, year, organiza-
                    tion, publisher.
                    302 \newcommand{\reproduceinfo}[1]{
                    303 \begin{center}
                    304 #1\par
                    305 \end{center}
                    306 }
                    One single line of Abstract flused left.
\reproduceabstract
                    307 \newcommand{\reproduceabstract}{
                    308 {\noindent Abstract\par}
                    309 }
         \footnote Set the format for \footnote. One horizontal line to separate the text and the
                    footnotes.
                    310 \AtBeginDocument{
                    311 \setlength{\footmarkwidth}{\z0}
                    312 \ensuremath{\footmarksep}{-\footmarkwidth}
                    313 \setlength{\footparindent}{\footmarkwidth}
                    314 \renewcommand{\footnoterule}{%
                    315 \kern .5\baselineskip%
                    316 \hrule width \columnwidth \kern .5\baselineskip}
                    A new type of footnote command which use symbols instead of arabic numbers as
   \symbolfootnote
                    markers
                    318 \newcommand{\symbolfootnote}[2]{
                    319 \renewcommand{\thefootnote}{\fnsymbol{footnote}}
                    320 \footnote[#1]{#2}
                    321 \renewcommand{\thefootnote}{\arabic{footnote}}
                    322 }
          \section Redefine \section, \subsection and \subsubsection.
                    323 \renewcommand{\section}{\@startsection{section}
                    324 {1} % level
                    325 {\z0} % indent from left margin
                    326 {.1ex} % skip above heading
                    327 {.1ex} % heading between title and text
                    328 {\normalfont\normalsize\bfseries}}
                    329 \renewcommand{\subsection}{\@startsection{subsection}
                    330 {1} % level
                    331 {\z@} % indent from left margin
                    332 {.1ex} % skip above heading
                    333 {.1ex} % heading between title and text
```

```
334 {\normalfont\normalsize\bfseries}}
                 335 \renewcommand{\subsubsection}{\@startsection{subsubsection}
                 336 {1} % level
                 337 {\z0} % indent from left margin
                 338 {.1ex} % skip above heading
                 339 {.1ex} % heading between title and text
                 340 {\normalfont\normalsize\bfseries}}
      longtable
                 341 \AtBeginDocument{
                 342 \@ifpackageloaded{longtable}{
                 343 \stlength{\LTcapwidth}{\linewidth}
                 345 }{}
                 346 }
                 3.2.4 Back Matter
                 Change the indent of References.
\thebibliography
                 347 \setlength{\bibitemsep}{\baselineskip}
                 348 \newlength{\bibparskip}\setlength{\bibparskip}{.5\baselineskip}
                 349 \let\oldthebibliography\thebibliography
                 350 \renewcommand\thebibliography[1]{%
                 351 \SingleSpacing
                 352 \oldthebibliography{#1}%
                 353 \setlength{\parskip}{\bibitemsep}%
                 354 \setlength{\itemsep}{\bibparskip}%
                 355 }
  \bibliography
                 356
                 3.2.5 Others
                 We define the landscape to handle the page numbering in landscape mode.
      landscape
                 357 \AtBeginDocument{
                 358 \@ifpackageloaded{pdflscape}{
                 359 \newcommand{\Lpagenumber}{\ifdim\textwidth=\linewidth\else\bgroup
                 360 \dimendef\margin=0 %use \margin instead of \dimen0
                 361 \ifodd\value{page}\margin=\oddsidemargin
                 362 \else\margin=\evensidemargin
                 363 \fi
                 365 \ \ \maxpr \maxpr \maxpr \maxpr \textheight+\footskip}%
                 366 \label{section} 366 \label{section} \
                 367 \egroup\fi
                 368 }
```

```
369 \@ifpackageloaded{everypage}{
370 \AddEverypageHook{\Lpagenumber}%
371 \let\oldlandscape=\landscape
372 \let\endoldlandscape=\endlandscape
373 \renewenvironment{landscape}{
374 \oldlandscape\pagestyle{empty}\begin{vplace}}{
375 \end{vplace}\endoldlandscape
376 \pagestyle{plain}}
377 }{}
378 }{}
```