The mines-thesis class *

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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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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}
```

3.1.1 Declaration of Options

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

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

3.1.2 Execution of Options

```
11 \ProcessOptions\relax
```

3.1.3 Package Loading

12 \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.

```
13 \left\{8.5in\right\}
```

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

- 14 \setlrmarginsandblock{1in}{*}{*}
- 15 \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.

- 16 $\setheadfoot{\onelineskip}{2\onelineskip}$
- 17 \setheaderspaces{*}{2\onelineskip}{*}

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

 $18 \setminus DoubleSpacing$

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.

- 19 \setlength{\parindent}{2em}
- 20 \let\@afterindentfalse\@afterindenttrue
- 21 \@afterindenttrue

We check and implement the layout settings.

22 \checkandfixthelayout

Moreover, we remove all interior spaces for list environments,

23 \tightlists % use \firmlists if vertical gaps is wanted and prevent IATEX from hyphenating the entire document.

- 24\tolerance=1
- $25 \ensuremath{\,{}^{\mbox{-}}} \ensuremath{\,{}^{\mbox{-}$
- 26 \hyphenpenalty=10000
- 27 \hbadness=10000

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
                  28 \renewcommand{\year}[1]{\gdef\@year{#1}}
          \year
                  29 \newcommand{\degree}[2]{\gdef\@degreelv{#1}\gdef\@degreename{#2}}
       \degree
                  30 \newcommand{\advisor}[1]{\gdef\@advisor{#1}}
                  31 \newcommand{\coadvisor}[1]{\gdef\@coadvisor{#1}}
       \advisor
     \coadvisor
                  32 \newcommand{\department}[1]{\gdef\@department{#1}}
                  33 \newcommand{\departmenthead}[1]{\gdef\@departmenthead{#1}}
    \department
\departmenthead
                  34 \gdef\@author{Student Name}
                  35 \gdef\@title{This is the first line of a medium length title,
```

```
36 \protect\\ this is the second line}
37 \gdef\@year{2020}
38 \gdef\@degreelv{Doctor of Philosophy}
39 \gdef\@degreename{Computer Science}
40 \gdef\@advisor{Dr. Main Advisor}
41 \gdef\@department{Department of XXXXX}
42 \gdef\@departmentHead{Dr. Department Head}
```

\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).

```
43 \ensuremath{\mbox{\sc heavy}}\xspace \% for auto pyramid
44 \setboolean{auto}{false}
45 \DeclareRobustCommand{\invpyr}[1]{
46 \vbox{
47 \vspace{10pt}
48 \ \text{hsize=} \text{textwidth}
49 \neq z@
50 \emergencystretch=1in
51 \parshape 6
52 0.01\textwidth .98\textwidth
53 0.1\textwidth .8\textwidth
54 0.15\textwidth .7\textwidth
55 0.2\textwidth .6\textwidth
56 0.25\textwidth .5\textwidth
57 0.3\textwidth .4\textwidth
58 \leftskip=\z@ plus 1fil
59 \rightskip=\z@ plus -1fil
60 \parfillskip=\z@ plus 2fil
61 #1\par
62 }
63 }
64 \newcommand{\autotitle}{\setboolean{auto}{true}}
65 \newcommand{\maketitlepage}{
66 \clearpage
67 \begin{vplace}
68 \centering
69 \ifthenelse{\boolean{auto}}
70 {\invpyr{\MakeTextUppercase{\@title}}}
71 {\@title}
72 \end{vplace}
73 \begin{center}
74 by\\
75 \@author
76 \end{center}
77 \clearpage
78 } % end of \maketitlepage
```

\makecopyrightpage

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

```
79 \newcommand{\makecopyrightpage}{
80 \clearpage
81 \begin{vplace}[0.8]
82 \centering
83 Copyright~by~\@author~\@year\\
84 All~Rights~Reserved
85 \end{vplace}
86 \clearpage
87 } % end of \makecopyrightpage
```

\makesubmittalpage

Submittal Page. 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.

```
88 \newcommand{\makesubmittalpage}{
89 \clearpage
90 A thesis submitted to the Faculty and the Board of
91 Trustees of the Colorado School of Mines in partial
92 fulfillment of the requirements for the degree of
93 {\@degreelv} ({\@degreename}).
94 \vspace{2em}
95 \begin{flushleft}
96 Golden, Colorado\\[.5em]
97 Date \underline{\hspace{2in}}
98 \end{flushleft}
99 \vspace{.5em}
100 \begin{flushright}
101 Signed: \underline{\hspace{2in}}\\
102 {\@author}\\[2em]
103 Signed: \underline{\hspace{2in}}\\
104 \begin{SingleSpace}
105 {\@advisor}\\
106 Thesis Advisor\\[2em]
107 \end{SingleSpace}
108 \@ifundefined{@coadvisor}{
109 \vspace{2.5em}
110 }{
111 Signed: \underline{\hspace{2in}}\\
112 \begin{SingleSpace}
113 {\@coadvisor}\\
114 Thesis Advisor
115 \end{SingleSpace}
116 }
117 \end{flushright}
118 \begin{flushleft}
119 Golden, Colorado\\[.5em]
120 Date \underline{\hspace{2in}}
```

```
122 \vspace{.5em}
                       123 \begin{flushright}
                       124 Signed: \underline{\hspace{2in}}\\
                       125 \searrow SingleSpace
                       126 {\@departmenthead}\\
                       127 Professor and Head\\
                       128 {\@department}
                       129 \end{SingleSpace}
                       130 \end{flushright}
                       131 \clearpage
                        132 } % end of \makesubmittalpage
                       ABSTRACT (title) is centered horizontally, 1 keyboard return below 1 inch top
    \makeabstractpage
                       margin and in ALL UPPER CASE LETTERS. Each paragraph should be in-
                       dented.
                       We redifine the abstract environment to save the text.
             abstract
       \@saveabstract
                       133 \newcommand{\@saveabstract}[1]{\long\gdef\@abstract{#1}}
                       134 \renewenvironment{abstract}{\Collect@Body\@saveabstract}{}
                       Abstract will show in the table of contents.
                        135 \newcommand{\makeabstractpage}{
                       136 \clearpage
                       137 \chapter*{Abstract}
                        138 \@abstract
                       139 \addcontentsline{toc}{chapter}{\abstractname}
                       140 \clearpage
                       141 } % end of \makeabstractpage
                       ACKNOWLEDGMENTS (Title) is centered horizontally, 1 keyboard return below
\makeacknowledgepage
                       1 inch top margin and in ALL UPPER CASE LETTERS.
       acknowledgment
                       We difine the acknowledgment environment. First, we need to save the text.
\@saveacknowledgments
                       142 \newcommand{\@saveacknowledgments}[1]{
                       143 \long\gdef\@acknowledgments{#1}}
                       144 \newenvironment{acknowledgment}{\Collect@Body\@saveacknowledgments}{}
                       Acknowledgment page is not required.
                       145 \mbox{\mbox{\mbox{$\sim$}}}
                       146 \@ifundefined{@acknowledgments}{}{
                       147 \clearpage
                       148 \chapter*{Acknowledgments}
                       149 \@acknowledgments
                       150 \label{localized} $$150 \addcontentsline{toc}{chapter}{ACKNOWLEDGMENTS}$
                       151 \clearpage}
                       152 } % end of \makeacknowledgepage
```

 $121 \end{flushleft}$

dedication We difine the dedication environment. First, we need to save the text 153 \newenvironment{dedication}{\Collect@Body\@savededication}{}

\@savededication And saving the dedication

- 154 \newcommand{\@savededication}[1]{
- 155 \long\gdef\@dedication{#1}

156 }

\makededicationpage

ACKNOWLEDGMENTS (Title) is centered horizontally, 1 keyboard return below 1 inch top margin and in ALL UPPER CASE LETTERS. 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 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 numeral page numbering continues on the dedication page.

```
157 \newcommand{\makededicationpage}{
158 \@ifundefined{@dedication}{}{
```

- 159 \clearpage
- 160 \@dedication
- 161 \clearpage
- 162 }
- 163 }

Redefine the generic chapter/appendix ToC entry typesetting. \1@chapapp

```
164 \renewcommand{\l@chapapp}[3]{%
```

- 165 \ifnum \c@tocdepth >\m@ne
- 166 \begin{SingleSpace}
- 167 \cftchapterbreak
- 168 \vskip \cftbeforechapterskip

169 {

170 \leftskip \cftchapterindent\relax

\memRTLleftskip \cftchapterindent\relax 171 %%%

172 \rightskip \@tocrmarg

173 %%% \memRTLrightskip \@tocrmarg

174 \parfillskip -\rightskip

175 %%% \parfillskip -\memRTLrightskip

176 \parindent \cftchapterindent\relax

177 \@afterindenttrue

178 \interlinepenalty\@M

179 \leavevmode

180 \let\@cftbsnum \cftchapterpresnum

181 \let\@cftasnum \cftchapteraftersnum

182 \let\@cftasnumb \cftchapteraftersnumb

183 \def\@chapapp@head{#3}%

 $184 \textbf{\cftchapterfont\chapapp@head}\%$

185 \addtolength{\@tempdima}{\cftchapternumwidth}%

```
186 \advance\leftskip \@tempdima \null\nobreak\hskip -\leftskip
                     \advance\memRTLleftskip \@tempdima \null\nobreak\hskip -\memRTLleftskip
          188 {\cftchapterfont {#1}}\nobreak
          189 \cftchapterfillnum{#2}}
          190 \end{SingleSpace}
          191 \fi}
          192 \renewcommand{\cftchapterdotsep}{\cftdotsep}
          193 \renewcommand{\cftchapterfont}{\normalfont\MakeTextUppercase}
          194 \renewcommand{\cftchapterpagefont}{\normalfont}
          195 \verb|\cftchapterleader|{\cftdotfill{\cftchapterdotsep}}|
          196 \renewcommand{\cftchaptername}{\chaptername\space}
          197 \renewcommand{\cftappendixname}{\appendixname\space}
          198 \renewcommand{\cftdotsep}{1}
          199 % ^^A no extra space before the entry, or in the LoF/LoT
          200 \setlength{\cftbeforechapterskip}{\z@ plus \z@}
          201 \renewcommand{\insertchapterspace}{}
          202 % ^^A \renewcommand{\insertchapterspace}{
          203 % ^^A \addtocontents{lof}-{\protect\addvspace-{5pt}}} % previous default 10pt
          204 % ^^A \addtocontents{lot}{\protect\addvspace{5pt}}
          205 % ^^A }
\makecft \makecft generates Table of Contents, List of Figures, and List of Tables. TABLE
          OF CONTENTS (Title) is centered horizontally, 1 keyboard return below 1 inch
          top margin and in ALL UPPER CASE LETTERS
          206 \AtBeginDocument{
          207 \@ifpackageloaded{hyperref}{
          208 \settocpreprocessor{chapter}{%
          209 \verb|\let\tempf@rtoc\f@rtoc\|
          210 \def\f@rtoc{%When hyperref is used,
          211 \texorpdfstring{\MakeTextUppercase{\tempf@rtoc}}{\tempf@rtoc}}%
          213 \renewcommand{\cftchapterfont}{\normalfont}
          214 }{}
          215 }
          216 \newcommand{\makecft}{
          217 \tableofcontents*
          218 \clearpage
          219 \listoffigures
          220 \clearpage
          221 \listoftables
          222 \clearpage
          223 } % end \makecft
             We rename the headings for the toc, lof, lot, and the references.
          224 \renewcommand{\abstractname}{ABSTRACT}
          225 \renewcommand{\chaptername}{CHAPTER}
          226 \renewcommand{\appendixname}{APPENDIX}
          227 \renewcommand{\contentsname}{TABLE OF CONTENTS}
```

```
228 \renewcommand{\listfigurename}{LIST OF FIGURES}
                                                                        229 \renewcommand{\listtablename}{LIST OF TABLES}
                                                                        230 %% for REFERENCE section
                                                                        231 \renewcommand{\bibname}{REFERENCES}
\cline{cont} \cl
                                                                        232 \newcommand{\@dottedtocline@sec}[5]{%
                                                                        233 \ifnum #1>\c@tocdepth \else
                                                                        234 \begin{SingleSpace}
                                                                        235 \vskip \z@ \@plus.2\p@
                                                                        236 {\leftskip #2\relax \rightskip \@tocrmarg \parfillskip -\rightskip
                                                                        237 \parindent #2\relax\@afterindenttrue
                                                                        238 \interlinepenalty\@M
                                                                        239 \leavevmode
                                                                        240 \ensuremath{ \mbox{ \mbox{\tt 0}tempdima \#3\ensuremath{ \mbox{\tt relax}}}
                                                                        241 \advance\leftskip \@tempdima \null\nobreak\hskip -\leftskip
                                                                        242 {#4}\nobreak
                                                                        243 \leq \frac{1}{243} 
                                                                        244 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
                                                                        245 mu$}\hfill
                                                                        246 \nobreak
                                                                        247 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}%
                                                                        248 \par}
                                                                        249 \end{SingleSpace}%
                                                                        250 \fi}
                              \lambda \lambda \lambda \text{ction} \\ \lambda \text{ction} \\ \lambda \text{ction} \text{ heading.} \\ \text{topesets the ToC entry for a \section heading.} \\ \text{constant} \\ \t
                                                                        251 \renewcommand{\@dotsep}{1}
                                                                        252 \mbox{ renewcommand{\l@section}{}}
                                                                        253 \@dottedtocline@sec{1}{1.5em}{2.3em}
                                                                        254 }
                                                                        255 \renewcommand{\cftfigurename}{\figurename\space}
                                                                        256 \renewcommand{\cfttablename}{\tablename\space}
                                  \lambda(\text{title}) \{\paraller \paraller \text{title}\} \{\paraller \paraller \paraller \text{title}\} \\ \text{typesets the LoF entry for a \frac{\text{figure caption heading.}}{\text{total caption heading.}}
                                                                        Multiple line figure captions are single spaced.
                                                                        257 \let\oldl@figure=\l@figure
                                                                        258 \verb|\command{\l@figure}{\SingleSpacing\oldl@figure}|
                                     \l@table
                                                                      \label{title} {(title)} {(page)}  typesets the LoF entry for a \ttable caption heading.
                                                                        Multiple line table captions are single spaced.
                                                                        259 \let\old1@table=\l@table
                                                                        260 \renewcommand{\l@table}{\SingleSpacing\oldl@table}
                                                                        261 \newcommand{\makefrontmatter}{
                                                                        262 \pagenumbering{roman}
                                                                        263 \pagestyle{empty}
                                                                        264 \maketitlepage
                                                                        265 \makecopyrightpage
```

```
267 \setcounter{page}{2}
                     268 \mbox{\mbox{$\backslash$}makesubmittalpage}
                     269 \makeabstractpage
                     270 \mbox{ \mbox{$\backslash$}}
                     271 \makeacknowledgepage
                     272 \makededicationpage
                     273 \pagenumbering{arabic}
                     274 \setcounter{page}{1}
                     275 } % end of \makefrontmatter
                     3.2.3 Main Body
          \chapter
                     276 \makechapterstyle{mineschapter}{%
                     277 \setlength{\midchapskip}{.2\baselineskip}
                     278 \setlength{\afterchapskip}{.2\baselineskip}
                     279 \renewcommand{\chapnumfont}{\normalfont}
                     280 \renewcommand{\chaptitlefont}{\normalfont}
                     281 \renewcommand{\chapterheadstart}{}
                     282 \renewcommand{\printchapternum}{}
                     283 \renewcommand{\printchapternonum}{}
                     284 \renewcommand{\printchaptername}{%
                     285 \centerline{\chapnumfont\MakeTextUppercase{\@chapapp\ \thechapter}}}
                     286 \renewcommand{\printchaptertitle}[1]{%
                     287 \centering \vbox{\chaptitlefont\invpyr{\MakeTextUppercase{##1}}}
                     288 }
                     289 }
                     290 \chapterstyle{mineschapter}
                     Information about the reproduced chapter. Including the author, year, organiza-
    \reproduceinfo
                     tion, publisher.
                     291 \newcommand{\reproduceinfo}[1]{
                     292 \begin{center}
                     293 #1\par
                     294 \end{center}
                     295 }
\reproduceabstract One single line of Abstract flused left.
                     296 \newcommand{\reproduceabstract}{
                     297 {\noindent Abstract\par}
                     298 }
                     Set the format for \footnote. One horizontal line to separate the text and the
         \footnote
                     footnotes.
                     299 \AtBeginDocument{
                     300 \stlength{\footmarkwidth}{\z0}
                     301 \setlength{\footmarksep}{-\footmarkwidth}
                     302 \setlength{\footparindent}{\footmarkwidth}
```

266 \pagestyle{plain}

```
303 \renewcommand{\footnoterule}{%
                                         304 \kern .5\baselineskip%
                                         305 \hrule width \columnwidth \kern .5\baselineskip}
                                        A new type of footnote command which use symbols instead of arabic numbers as
\symbolfootnote
                                         markers
                                         307 \newcommand{\symbolfootnote}[2]{
                                         308 \mbox{ }\mbox{ }
                                         309 \footnote[#1]{#2}
                                         310 \renewcommand{\thefootnote}{\arabic{footnote}}
                                         311 }
                \section Redefine \section, \subsection and \subsubsection.
                                         312 \renewcommand{\section}{\@startsection{section}
                                         313 {1} % level
                                         314 {\z0} \% indent from left margin
                                         315 {.1ex} % skip above heading
                                         316 {.1ex} % heading between title and text
                                         317 {\normalfont\normalsize\bfseries}}
                                         318 \renewcommand{\subsection}{\@startsection{subsection}
                                         319 {1} % level
                                         320 \ % indent from left margin
                                         321 {.1ex} % skip above heading
                                         322 {.1ex} % heading between title and text
                                         323 {\normalfont\normalsize\bfseries}}
                                         324 \renewcommand{\subsubsection}{\@startsection{subsubsection}
                                         325 {1} % level
                                         326 \{\z0\} \% indent from left margin
                                         327 {.1ex} % skip above heading
                                         328 \; \hbox{\{.1ex\}} \; \; \hbox{\%} \; \; \hbox{heading between title and text}
                                         329 {\normalfont\normalsize\bfseries}}
              longtable
                                         330 \AtBeginDocument{
                                         331 \@ifpackageloaded{longtable}{
                                         332 \setlength{\LTcapwidth}{\linewidth}
                                         334 }{}
                                         335 }
                                         3.2.4 Back Matter
                                         Change the indent of References if natbib package is loaded.
                                         336 \AtBeginDocument{
                                         337 \@ifpackageloaded{natbib}{
                                         338 \setlength{\bibhang}{\parindent}
                                         339 \renewcommand{\bibpreamble}{\vspace{\parskip}}
                                         340 }{}
                                         341 }
```

\bibliography

```
342 \let\oldbibliography=\bibliography
343 \renewcommand{\bibliography}[1]{
344 \begin{SingleSpace}
345 \oldbibliography{#1}
346 \end{SingleSpace}
347 }
```

3.2.5 Others

landscape We define the landscape to handle the page numbering in landscape mode.

```
348 \AtBeginDocument{
349 \@ifpackageloaded{pdflscape}{
350 \verb|\command{\Lpagenumber}{\c width=\linewidth\else\bgroup}
351 \dim Margin=0 \% use \dim margin instead of \dim Margin=0
352 \leftarrow page}\margin=\oddsidemargin
353 \else\margin=\evensidemargin
354 \fi
355 \raisebox{\dimexpr -\topmargin-\headheight-\headsep-0.5\linewidth}[Opt][Opt]{%
356 \rlap{\hspace{\dimexpr \margin+\textheight+\footskip}\%
357 \displaystyle \frac{90}{\theta}}
358 \geq 58
359 }
360 \@ifpackageloaded{everypage}{
361 \AddEverypageHook{\Lpagenumber}%
362 \let\oldlandscape=\landscape
363 \let\endoldlandscape=\endlandscape
364 \renewenvironment{landscape}{
365 \oldlandscape\pagestyle{empty}\begin{vplace}}{
366 \end{vplace}\endoldlandscape
367 \pagestyle{plain}}
368 }{}
369 }{}
370 }
```