The nputhesis ${\rm class}^*$

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^{*}This document corresponds to nputhesis v0.6.3, dated 2020/02/18.

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1 简介

1.1 加载文类

加载 nputhesis 文档类

- 1 (*sample)
- 2 \documentclass[twoside, UTF8, phd, dbr, AutoFakeBold] {nputhesis}

1.2 加载常用宏包

3 \usepackage{lipsum}

1.3 参考文献

推荐使用 biblatex 处理参考文献. 参考文献格式使用 gb7714-2015, 其详细信息请参考 https://github.com/hushidong/biblatex-gb7714-2015. 宏包biblatex-gb7714-2015 已包含在 TeXLive 和 MikTeX 中. 使用如下命令载入biblatex 宏包即可.

```
4 \usepackage[backend=biber,
5 style=gb7714-2015, maxbibnames=3,minbibnames=3,
6 gbnamefmt=givenahead,
7 doi=false,
8 url=false,
9 % gbpub=false
10 ]{biblatex}
```

上面的选项 gbnamefmt 需要使用 v1.0k 以上版本的 biblatex-gb7714-2015. 如果宏包版本不能满足,可以注释掉选项 gbnamefmt=givenahead.

然后使用 addbibresource 添加参考文献文件 ref.bib.

11 \addbibresource{ref.bib}

1.4 变量设置

设置学校编号,分类号,题目,姓名等信息

- 12 \schoolno{10699}
- 13 \classno{0.242}
- 14 \secretlevel{公开}
- 15 \authorno{0000999999}
- 16 \title[\LaTeX\ Template of NPU Thesis]{西工大硕博学位论文 \LaTeX 模板}
- 17 \author[\dbr{San Zhang}]{\dbr{张三}}
- 18 \major[Philosophy in Mathematics]{数学}
- 19 \supervisor[\dbr{Si Li}]{\dbr{李四}}
- 20 \applydate[April 2046]{2046~ 年 ~4~ 月} 21 \support{本文研究得到某某基金 (编号:XXXXXXX) 资助。}

1.5 开始文档

使用 makecover 生成封面:包括外封面和内封面,然后用 frontmatter 分割封面和正文部分.

- 22 \begin{document}
- 23 \makecover
- 24 \frontmatter

1.6 摘要部分

```
中文摘要
```

25 \begin{abstract}

26

27 本模板基本实现了西北工业大学硕博论文格式要求:封皮,页眉页脚,章节标题格式,参考文献格式等。

28

- 29 \begin{keywords}
- 30 学位论文, \LaTeX\ 模板, 西工大
- 31 \end{keywords}
- 32 \end{abstract}

英文摘要

- 33 \begin{Abstract}
- 34 We implement the class |nputhesis| for the thesis of NWPU.
- 35 \begin{Keywords}
- 36 Thesis Template, \LaTeX, NPU
- 37 \end{Keywords}
- 38 \end{Abstract}

1.7 目录和符号表

- 39 \tableofcontents
- 40 \printnomenclature

正文中使用 \nomenclature{<sym>}{<text explanation>} 向符号表中添加内容.

1.8 正文部分

使用 mainmatter 开始正文.

- 41 \mainmatter
- 正文结构
- 42 \chapter{绪论}
- 43 \section{\TeX 和 \LaTeX 介绍}
- 44 \section{nputhesis 简介}
- 45 \chapter{基础知识}
- 46 \section{基本命令}
- 47\section{宏包}

1.8.1 图与表

1.9 参考文献, 附录等

```
48 \backmatter
49%以下两种参考文献格式,根据实际宏包使用情况添加
50 \printbibliography
                            % biblatex 输出参考文件方式
51 % \bibliographystyle{gbt7714-2005} % 传统输出参考文献方式
52 % \bibliography{ref}
                                 % 传统输出参考文献方式
54% \Appendix %如果有多个附录,可重复使用该命令,自动按字母编号.
55
56 \Thanks
            % 致谢
57
58 \Work
59 \papersection %以下填写发表论文情况
60
61 \begin{npulist}
  \item {\bf \dbr{S. Zhang}}, \dbr{S. Li}. NPU 硕博学位论文 \LaTeX\ 模板
  [D]. 2019.
63 \end{npulist}
65 \researchsection % 以下填写参加科研情况
66 \begin{npulist}
   \item NPU \LaTeX 模板.
                        编号: 00000000, 参与.
   \item NPU \LaTeX 模板.
                        编号: 00000001, 参与.
   \item NPU \LaTeX 模板.
                        编号: 000000002, 参与.
70 \end{npulist}
```

1.10 结束文档

- 71 \statement
- 72 \end{document}
- 73 (/sample)

2 使用方法

3 代码实现

3.1 文档选项

使用布尔变量实现文档的选项设置

- 74 (*class)
- 75 \newif\if@npu@phd
- $76 \neq 16$
- 77 \newif\if@npu@dbr % for double-blind review
- 78 \def\set@npu@phd{\@npu@phdtrue}
- 79 \def\set@npu@ma{\@npu@phdfalse}

使用 xkeyval 声明文档选项

 $80 \RequirePackage{xkeyval}$

声明选项 blankinfo, 用于控制是否现实空白页标识信息.

- 81 \DeclareOptionX{blankinfo}[false]{\csname @npu@blankinfo#1\endcsname} 声明选项 thesistype, 可选参数为 phd 和 ma, 用于选择文档类型: 博士论文还是硕士论文.
- 82 \DeclareOptionX{thesistype}[phd]{\csname set@npu@#1\endcsname}

声明选项 phd 和 ma, 要废齐的选项, 被 thesistype 代替, 请使用 thesistype.

- 83 \DeclareOptionX{phd}{\@npu@phdtrue}
- 84 \DeclareOptionX{ma}{\@npu@phdfalse}

声明选项 dbr, 用于生成盲评版本, 参考 \dbr.

85 \DeclareOptionX{dbr}[true]{\csname @npu@dbr#1\endcsname}

该文类基于 book 类实现, 加载 book 文类.

- 86 \DeclareOptionX*{\PassOptionsToClass{\CurrentOption}{book}}
- 87 \ExecuteOptionsX{thesistype=phd}
- 88 \ExecuteOptionsX{dbr=false}
- 89 \ProcessOptionsX \relax
- 90 \LoadClass{book}

3.2 使用的宏包

加载需要的宏包

- 91 \RequirePackage{geometry}
- 92 \RequirePackage{xcolor}
- 93 \RequirePackage{fancyhdr}
- 94 \RequirePackage{titletoc}
- 95 \RequirePackage{caption}
- 96 \RequirePackage{ulem}
- 97 \RequirePackage{amsthm}
- $98 \ \texttt{RequirePackage\{amsmath\}}$
- 99 \RequirePackage{amsfonts}
- 100 \RequirePackage{setspace}
- 101 \RequirePackage{longtable}
 102 \RequirePackage{booktabs}
- 103 \RequirePackage{tabularx}
- 104 \RequirePackage{multirow}
- 105 \RequirePackage{graphicx}
- 106 \RequirePackage[heading=true,zihao=-4]{ctex}
- 107 \RequirePackage{ifxetex}
- 108 \ifxetex
- 109 \setmainfont{Times New Roman}
- 110 **\fi**

3.3 盲评命令

当 dbr 选项开启,即 dbr=true 时在文件中 \dbr 命令以隐藏作者相关信息,使用命令 \dbr{张三} 将会使用黑框代替 '张三'的显示.

111 \newcommand\@npu@replace[1]{{%

```
112 \setlength{\fboxsep}{0pt}%
113 \colorbox{black}{\phantom{#1}}}
114 \newcommand{\dbr}[1]{\if@npu@dbr \@npu@replace{#1}\relax\else #1\fi}
3.4 设置页面版式格式
115 \geometry{paperwidth=210mm.paperheight=297mm.%
```

```
115 \geometry{paperwidth=210mm,paperheight=297mm,%
116 left=2.5cm,right=2.5cm,top=2.54cm,bottom=2.54cm}
117 \topmargin=-10.4mm
118 \headheight=17pt
119 \footskip=8mm
120 \headsep=5mm
 页眉设置
121 \pagestyle{fancy}
122 % \renewcommand\chaptermark[1] {\markboth{%
       \if@mainmatter%
         %\ifnum\arabic{chapter}>0%
124 %
125 %
           \arabic{chapter}\quad%
126 %
         %\fi%
       \fi#1}{}}
127 %
128 \fancyhf{}
129 \fancyhead [EC] {\songti\zihao{-5}\npu@rightmark}
130 \fancyhead[OC]{\songti\zihao{-5}\leftmark}
131 \fancyfoot[C]{\songti\zihao{5}\thepage}
132 \renewcommand{\headrule}{%
     \hrule width\headwidth height2.8pt \vspace{1pt}%
     \hrule width\headwidth height0.8pt}
135 \fancypagestyle{plain}{\thispagestyle{fancy}}
136 \newcommand{\clearpagestyle}{\clearpage{\pagestyle{empty}\cleardoublepage}}
```

3.5 设置默认章节标题格式

```
137 \ifx\ctexset\undefined
     \CTEXsetup[ % name={,}, number={\arabic{chapter}},% use default value
138
       beforeskip={0pt}, afterskip={20pt}]{chapter}
139
     \CTEXsetup[nameformat={\heiti\zihao{3}\bf}]{chapter}
140
     \CTEXsetup[titleformat={\heiti\zihao{3}}]{chapter}
141
     \CTEXsetup[format={\heiti\zihao{4}}]{section}
     \CTEXsetup[format={\heiti\zihao{-4}}]{subsection}
144 \else
145
     \ctexset{
       contentsname = {\npu@contents}
146
147
     % title format of chapter
148
     \ctexset{
149
       % chapter/name={,},
                                           % use default value in ctex
150
       % chapter/number=\arabic{chapter}, % use default value in ctex
151
       chapter/beforeskip={0pt},
152
       chapter/afterskip={20pt},
153
       chapter/format={\heiti\zihao{3}\centering}
154
```

```
}
155
     % title format of section
156
     \ctexset{
157
       section/name={,},
158
       % section/beforeskip={2ex plus .5ex minus .1ex},
159
160
       % section/afterskip={1ex plus .1ex},
161
       section/format={\heiti\zihao{4}}
162
     % title format of subsection
163
     \ctexset{
164
       subsection/name={,},
165
       % subsection/beforeskip={2ex plus .5ex minus .1ex},
166
       % subsection/afterskip={1ex plus .1ex},
        subsection/format={\heiti\zihao{-4}}
168
169
     \ctexset{
170
       subsubsection/name={,},
171
       \mbox{\ensuremath{\mbox{\%}}} subsubsection/beforeskip={1ex plus .3ex minus .1ex},
172
173
       % subsubsection/afterskip={.5ex plus .1ex},
174
        subsubsection/format={\heiti\zihao{-4}}
     }
175
     \ctexset{
176
       paragraph/name={,},
177
       % paragraph/beforeskip={1ex plus .3ex minus .1ex},
178
       % paragraph/afterskip={.5ex plus .1ex},
179
180
       paragraph/format={\heiti\zihao{-4}}
181
182
     \ctexset{
       subparagraph/name={,},
183
       % subparagraph/beforeskip={1ex plus .3ex minus .1ex},
184
       % subparagraph/afterskip={.5ex plus .1ex},
185
186
        subparagraph/format={\heiti\zihao{-4}}
187
188 \fi
       目录字体设置
 3.6
189 \def\@contentfont{\songti\zihao{-4}}
190 \titlecontents{chapter}[Opt]{\@contentfont}
     {\thecontentslabel\hspace{.5em}}{}
     {\hspace{.5em}\titlerule*{.}\contentspage}
192
193 \titlecontents{section}[15pt]{\@contentfont}
```

3.7 变量设置

195

定义变量,用于存储包括论文题目,作者,导师等信息.

{\hspace{.5em}\titlerule*{.}\contentspage}

{\hspace{.5em}\titlerule*{.}\contentspage}

196 \titlecontents{subsection}[30pt]{\@contentfont}

{\thecontentslabel\quad}{}

{\thecontentslabel\quad}{}

```
199 \def\title{\@ifnextchar[\@@title{\@@title[]}}
200 \def\author{\@ifnextchar[\@@author{\@@author[]}}
201 \def\major{\@ifnextchar[\@@major{\@@major[]}}
202 \ensuremath{\mbox{\corr}(\mbox{\corr}(\mbox{\corr}))} \\
203 \def\applydate{\@ifnextchar[\@@applydate{\@@applydate[]}}
204 \ef\@ctitle(#1)#2{\def\@title@en(#1)\def\@title(#2)}
205 \end{figure} $205 \end{figure} $$ \end{f
206 \end{figure} 42 \end{figure} 206 \end{figure} 42 \end{fi
207 \def\@@supervisor[#1]#2{\def\@supervisor@en{#1}\def\@supervisor{#2}}
208 \end{apply} date 
209 \def\@title{}\def\@title@en{}
210 \def\@author{}\def\@author@en{}
211 \def\@major{}\def\@major@en{}
212 \def\@supervisor{}\def\@supervisor@en{}
213 \def\@applydate{}\def\@applydate@en{}
214 \def\npu@empty{}
215 \ensuremath{\def\@schoolno{\#1}}\def\@schoolno{\#1}}
216 \ef\classno#1{\def\classno{#1}}\def\classno{}
217 \def\secretlevel#1{\def\@secretlevel{#1}}\def\@secretlevel{}
218 \def\authorno#1{\def\authorno{#1}}\def\authorno{}
219 \def\support#1{\def\@support{#1}}\def\@support{}
220 \if@npu@phd
                        \def\npu@degreename@en{Doctor}
221
222 \else
223
                       \def\npu@degreename@en{Master}
224 \fi
                                设置字体和行距
    3.8
225 % \renewcommand{\normalsize}{\zihao{-4}}
226 \times 11nespread \{1.25\}
    3.9 封面
    定义外封面
227 \def\makeoutercover{
228
                       \begin{titlepage}
229
                                 \bfseries
230
                                 \linespread{1.25}
231
                                  \begin{center}
                                          \hfill% default \bf font
232
                                          \heiti\zihao{5}
233
                                          \newlength{\max@length}
234
235
                                          \settowidth{\max@length}{\npu@schoolno\npu@comma 2000000000}
                                          \newlength{\name@length}
236
                                          \settowidth{\name@length}{\npu@schoolno}
237
                                          \begin{minipage}{\max@length}
238
                                                   \vskip.5cm
239
                                                   \renewcommand\arraystretch{1.2}
240
                                                   \begin{tabular}{|c|c|}\hline
241
```

```
\makebox[\name@length][s]{\npu@schoolno}
                                                     & \@schoolno
                                                                     \\ \hline
242
           \makebox[\name@length][s]{\npu@classno}
                                                     & \@classno
                                                                     \\ \hline
243
           244
                                                                     \\ \hline
           \makebox[\name@length][s]{\npu@authorno}
                                                     & \@authorno
245
           \end{tabular}
246
247
         \end{minipage}
248
         \par\vspace{9cm}
249
         \songti\zihao{2}
         \begin{minipage}[t]{2cm}
250
           \hfill\npu@title\\
251
         \end{minipage}
252
         %\hbox to 2.5cm{\hfill \npu@title}
253
254
         \start
           \begin{minipage}[t]{12cm}
255
             \begin{center}
256
               \heiti\@title
257
             \end{center}
258
           \end{minipage} }
259
260
         \verb|\setbox124=\hbox{|}|
261
           \begin{minipage}[t]{12cm}
             \begin{center}
262
263
               \left\langle \right\rangle \
               264
             \end{center}
265
266
           \end{minipage} }
267
         \hskip-0.5cm
         \copy123\kern-\wd123\box124
268
269
         \zihao{3}
         \par\vspace{2.5\baselineskip}
270
         \begin{minipage}{5cm}
271
           {\kaishu\npu@author} \uline{\hfill\@author\hfill}
272
273
         \end{minipage}
274
         \par\vspace{2.5\baselineskip}
         \settowidth{\name@length}{\npu@applydate}
275
276
         \begin{minipage}{12.5cm}
277
           \noindent
           \makebox[\name@length][s]{\npu@major}%
278
279
             {\uline{\hfill{\@major}\hfill}}
280
           \vspace{0.5\baselineskip}
           \makebox[\name@length][s]{\npu@supervisor}%
281
282
             {\uline{\hfill\@supervisor\hfill}} \par
283
           \vspace{0.5\baselineskip}
           \makebox[\name@length][s]{\npu@applydate}%
284
             {\uline{\hfill\@applydate\hfill}} \par
285
286
         \end{minipage}
287
         \vspace{2\baselineskip}
288
       \end{center}
289
     \end{titlepage}
290
     \clearpagestyle
291 }
```

定义内封面

```
292 \def\makeinnercover@zh{
     \begin{titlepage}
293
       \linespread{1.25}
294
295
       \vspace*{2cm}
296
       \begin{center}
          \settowidth{\name@length}{\zihao{3}\npu@schoolname}
297
         \divide\name@length by 12
298
         \multiply\name@length by 17
299
         \makebox[\name@length][s]{\zihao{3}\npu@schoolname}
300
301
         \vskip5mm
         \settowidth{\name@length}{\zihao{1}\npu@degree}
302
         \divide\name@length by 12
303
         \multiply\name@length by 17
304
305
         \makebox[\name@length][s]{\zihao{1}\npu@degree}
         \vskip5mm
306
         \centerline{\zihao{4}\npu@degreeclass}
307
308
         \vskip5cm
309
         \zihao{2}
         \begin{minipage}[t]{2.5cm}
310
            \hfil\npu@title\npu@comma
311
         \end{minipage}
312
         \setbox123=\hbox{
313
            \begin{minipage}[t]{11cm}
314
              \begin{center}
315
                \@title
316
              \end{center}
317
            \end{minipage}}
318
         \start
319
           \begin{minipage}[t]{11cm}
320
              \begin{center}
321
                \left\langle \right\rangle \
322
                \left\langle \right\rangle \
323
              \end{center}
324
            \end{minipage}}
325
         \hskip-1cm
326
         \sqrt{23\sqrt{23}} = \sqrt{123\sqrt{24}}
327
         \par\vspace{4cm}
328
329
         \zihao{3}
         \settowidth{\name@length}{\npu@major}
330
331
         \begin{minipage}{8cm}
            \noindent
332
            \makebox[\name@length][s]{\npu@author}\npu@comma%
333
334
              \uline{\hfill\@author\hfill}
                                                 \par
335
            \vspace{0.25\baselineskip}
336
            \makebox[\name@length][s]{\npu@major}\npu@comma%
              \uline{\hfill\@major\hfill}
337
            \vspace{0.25\baselineskip}
338
            \makebox[\name@length][s]{\npu@supervisor}\npu@comma%
339
```

```
\uline{\hfill\@supervisor\hfill}\par
340
           \vspace{1\baselineskip}
341
         \end{minipage}
342
         \vspace{2\baselineskip}
343
         \par\makebox[30mm]{\@applydate}\hfill
344
345
       \end{center}
346
     \end{titlepage}
     \clearpagestyle
347
348 }
定义英文封面
349 \def\makeinnercover@en{
     \begin{titlepage}
350
       \linespread{1.25}
351
       \vspace*{1.5cm}
352
353
       \zihao{3}
       \begin{center}
354
355
         {\bf bf}
356
           %\Large
           \@title@en \\
357
           \vspace{3\baselineskip}
358
           \zihao{-3}
359
           By\\
360
           \ifx\@author@en\npu@empty\quad\else\@author@en\fi\\
361
           \vspace{1\baselineskip}
362
           Under the Supervision of Professor\\
363
           \ifx\@supervisor@en\npu@empty\quad\else\@supervisor@en\fi\\}
364
         %\Large
365
         \vspace{4\baselineskip}
366
367
         A Dissertation Submitted to\\
368
         Northwestern Polytechnical University\\
369
         \vspace{1\baselineskip}
         In Partial Fulfillment of the Requirement\\
370
         for the Degree of \\
371
         \npu@degreename@en\ of \@major@en\\
372
373
         \vspace{4\baselineskip}
         Xi'an P. R. China\\
374
         \@applydate@en
375
376
       \end{center}
     \end{titlepage}
377
     \clearpagestyle
378
379 }
整合以上封面为一个命令 makecover
380 \def\makecover{\makeoutercover\makeinnercover@zh\makeinnercover@en}
正文之前使用罗马数字编号
381 \let\npu@frontmatter\frontmatter
382 \def\frontmatter{\npu@frontmatter\pagenumbering{Roman}}
```

3.10 选项 blankinfo 的实现

```
重定义 cleardoublepage, 用于实现 blankinfo 选项的功能.
```

```
383 \end{clear} age\end{clear} if \verb|@twoside| \end{clear} else \end{clear} age\end{clear} else \end{clear} age\end{clear} else \end{clear} e
384
                                       \hbox{}
385
                                       \vspace*{\fill}
386
                                       \begin{center}\Large
                                                      \if@npu@blankinfo
387
                                                                    \textcolor{gray!60}{This Page Intentionally Left Blank!}
388
                                                      \fi
389
                                      \end{center}
390
                                       \vspace{\fill}
391
392
                                      \thispagestyle{empty}
 393
                                       \newpage
                                      \if@twocolumn\hbox{}\newpage\fi\fi\fi}
```

3.11 摘要环境

定义中英文摘要环境

```
395 \newenvironment{abstract}{%
396 \chapter{\npu@abstract}%\addcontentsline{toc}{chapter}{\npu@abstract}%
397 \newenvironment{keywords}{%
398 \vspace{2\baselineskip}\par\textbf{\npu@keywords\npu@comma}}{}
399 \f\vfill\zihao{5}\@support}
400
401 \newenvironment{Abstract}{%
402 \chapter{\npu@Abstract}%\addcontentsline{toc}{chapter}{\npu@Abstract}%
403 \newenvironment{Keywords}{%
404 \vspace{2\baselineskip}\par\textbf{\npu@Keywords\npu@comma}}{}}{}
```

3.12 图表标题设置

```
405 \DeclareCaptionFont{song}{\songti\zihao{5}}\
406 \captionsetup{labelsep=quad, font=song}\
407 \captionsetup[figure]{aboveskip=10pt, belowskip=10pt}\
408 \captionsetup[table]{aboveskip=10pt, belowskip=10pt}\
409 \renewcommand\thetable{\arabic{chapter}-\arabic{table}}\
410 \renewcommand\thefigure{\arabic{chapter}-\arabic{figure}}\
411 \renewcommand\theequation{\arabic{chapter}-\arabic{equation}}\
```

3.13 表格和列表环境

```
412 \let\@ldtabular\tabular
413 \let\end@ldtabular\endtabular
414 \renewenvironment{tabular}{\zihao{5}\@ldtabular}{\end@ldtabular}
415
416 % define nputabu environment which will stretch to textwidth
417 \newcolumntype{L}{>{\raggedright\arraybackslash}X}
418 \newcolumntype{R}{>{\centering\arraybackslash}X}
419 \newcolumntype{C}{>{\centering\arraybackslash}X}
```

```
420 \newenvironment{nputabu}[1][\zihao{5}]%
     {#1\tabularx{\textwidth}}{\endtabularx}
421
422
423 \newenvironment{npulist}{\%}
424 \begingroup\renewcommand{\labelenumi}{[\theenumi].}\enumerate}%
     {\endenumerate\endgroup}
3.14 特殊章节设置
附录自动以英文字母编号
426 \let\npu@chapter\chapter
427 \def\npu@star@chapter#1{\npu@chapter{#1}}
428 \def\chapter{\secdef\npu@chapter\npu@star@chapter}
429 \newcounter{npu@c@appendix}
430 \setcounter{npu@c@appendix}{0}
431 \def\Appendix{\addtocounter{npu@c@appendix}{1}%
     \chapter{\npu@appendix\Alph{npu@c@appendix}}}
致谢章节
433 \def\Thanks{\chapter{\npu@thanks}}
参加科研工作章节,设置标题内容
434 \newcommand\Work{\chapter{\npu@work}}
435 \newcommand\papersection{\section*{\npu@work@paper}}
436 \newcommand\research section {\npu@work@research}}
声明页
437 \def\statement{
     \begin{titlepage}
438
       \linespread{1.5}
439
440
       \parskip=7pt
441
       \vspace*{0pt}
       \songti\zihao{4}
442
       \centerline{\bf \npu@schoolname}
443
       \centerline{\bf \npu@p@statement}
444
       \songti\zihao{5}
445
446
       \npu@longp@statement\par
       \npu@a@signature\npu@comma\underline{\qquad\qquad\qquad} \hfill
447
       \npu@s@signature\npu@comma\underline{\qquad\qquad\qquad} \par
448
       \hskip 3cm \npu@ymd \hfill\hskip 3cm \npu@ymd
449
       \vspace*{30pt}
450
       \hbox to \hsize{\leaders\hbox to 1em{\hss--\hss}\hfill}
451
452
453
       \vspace*{50pt}
454
       \songti\zihao{4}
       \centerline{\bf \npu@schoolname}
455
       \centerline{\bf \npu@c@statement}
456
       \songti\zihao{5}
457
       \npu@longc@statement\par
458
459
       \hskip5.5cm
       \hfill\npu@a@signature\npu@comma\underline{\qquad\qquad\qquad}\par
460
```

```
461 \hfill\hskip8.5cm \npu@ymd
462 \end{titlepage}}
```

3.15 默认定理环境

```
定义定理环境
463 % ref amsthdoc.pdf
464 \newtheoremstyle{nputheorem}% name
     {Opt}% Space above
465
     {Opt}% Space below
466
     {\itshape}% Body font
467
468
     {}% Indent amount
469
     {\bfseries}% Theorem head font
     {}% Punctuation after theorem head
470
     {.5em}% Space after theorem head
471
     {}% Theorem head spec (can be left empty, meaning 'normal' )
472
473
474 \neq 174 \neq 174
     {Opt}% Space above
475
     {Opt}% Space below
476
     {}% Body font
477
    {}% Indent amount
478
     {\bfseries}% Theorem head font
479
     {}% Punctuation after theorem head
480
481
     {.5em}% Space after theorem head
     {}% Theorem head spec (can be left empty, meaning 'normal' )
482
```

 $484 \ \text{theoremstyle\{npuplain} \ \%$ set default style to npuplain

3.16 定义符号表

```
485 \RequirePackage{nomencl}
                                % add symbol notation
486\ \ensuremath{\mbox{\sc NequirePackage\{multicol\}}}\ \ \% for two column notation
487 % \AtEndPreamble{\makenomenclature}
488 \makenomenclature
489 \renewcommand{\nomname}{\npu@nomname}
490
491 % code come from @egreg
492 % https://tex.stackexchange.com/questions/78764/two-column-nomenclature
493 \@ifundefined{chapter}
494
     {\def\wilh@nomsection{section}}
     {\def\wilh@nomsection{chapter}}
495
496
497 \def\thenomenclature{%
     % \newlength{\npu@columnsep@save}
498
     % \setlength{\npu@columnsep@save}{\columnsep}
499
     % \setlength{\columnsep}{20pt}
500
501
     % \begin{multicols}{2}[%
          \csname\wilh@nomsection\endcsname*{\nomname}
502
```

```
\if@intoc\addcontentsline{toc}{\wilh@nomsection}{\nomname}\fi
503
504
        \nompreamble % \raggedcolumns
    % ]
505
    \left\{ \right\} 
506
       \labelsep=15pt
507
508
       \labelwidth\nom@tempdim
509
       \leftmargin\labelwidth
       \advance\leftmargin\labelsep
510
       \itemsep\nomitemsep
511
       \let\makelabel\nomlabel}%
512
513 }
514 \def\endthenomenclature{%
    \endlist
    % \end{multicols}
    % \setlength{\columnsep}{\npu@columnsep@save}
517
    \nompostamble}
3.17
        配置变量
519 \def\npu@degreename@zh{\if@npu@phd 博士\else 硕士\fi}
520 \def\npu@comma{~:~}
521 \def\npu@schoolno{学校代码}
522 \def\npu@classno{分类号}
523 \def\npu@secretlevel{密级}
524 \def\npu@authorno{学号}
525 \def\npu@title{题目}
526 \def\npu@author{作者}
527 \def\npu@major{学科、专业}
528 \def\npu@supervisor{指导教师}
529 \def\npu@applydate{申请学位日期}
530 \def\npu@schoolname{西北工业大学}
531 \def\npu@degree{\npu@degreename@zh 学位论文}
532 \def\npu@degreeclass{(学位研究生)}
533 \def\npu@rightmark{西北工业大学\npu@degreename@zh 学位论文}
534 \def\npu@Abstract{Abstract}
535 \def\npu@abstract{摘\quad 要}
536 \def\npu@Keywords{Key words}
537 \def\npu@keywords{关键词}
538 \def\npu@contents{目\quad 录}
539 \def\npu@nomname{符号表}
540 \def\npu@appendix{附\quad 录}
541 \def\npu@thanks{致\quad 谢}
542 \def\npu@work{攻读\npu@degreename@zh 学位期间发表的学术论文和参加科研情况}
543 \def\npu@work@paper{发表学术论文}
544 \def\npu@work@research{参加科研情况}
545 \def\npu@p@statement{学位论文知识产权声明书}
546 \def\npu@c@statement{学位论文原创性声明}
547 \def\npu@ymd{年\qquad 月\qquad 日}
548 \def\npu@a@signature{学位论文作者签名}
549 \def\npu@s@signature{指导教师签名}
```

```
550 \long\def\npu@longp@statement{%
551 本人完全了解学校有关保护知识产权的规定,即:研究生在校攻读学位期间论文工作的
552 知识产权单位属于西北工业大学。学校有权保留并向国家有关部门或机构送交论文的复
553 印件和电子版。本人允许论文被查阅和借阅。学校可以将本学位论文的全部或部分内容
554 编入有关数据库进行检索,可以采用影印、缩印或扫描等复制手段保存和汇编本学位论
555 文。同时本人保证,毕业后结合学位论文研究课题再撰写的文章一律注明作者单位为西
556 北工业大学。
557 \par 保密论文待解密后适用本声明。}
558 \long\def\npu@longc@statement{%
559 秉承学校严谨的学风和优良的科学道德,本人郑重声明: 所呈交的学位论文,是本人在
560 导师的指导下进行研究工作所取得的成果。尽我所知,除文中已经注明引用的内容和致
561 谢的地方外,本论文不包含任何其他个人或集体已经公开发表或撰写过的研究成果,不
562 包含本人或其他已申请学位或其他用途使用过的成果。对本文的研究做出重要贡献的个
563 人和集体, 均已在文中以明确方式表明。
564 \par 本人学位论文与资料若有不实,愿意承担一切相关的法律责任。}
565 \langle /class \rangle
```

Change History

v0.6.1	chapter title 1							
General: Add 'nputabu'		Make the line under the title						
environment	1	longer	1					
Add theorem style 'npuplain',		Remark: "AutoFakeBold"						
and set it to default	1	option can be used when load						
Delete option workbib	1	this document class to make						
Modify font size in tabular		the font in the cover page as						
environment to 'zihao5'	1	bold font	1					
Replace nputhesis.bst by		v0.6.3						
gbt7714-2005.bst	1	General: Add option 'dbr' for						
v0.6.2		double-blind review	1					
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