中国人民大学 LATEX 论文模板

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摘要

RUCThesis 文档类旨在建立符合中国人民大学《本科论文指导手册》和《研究生学位论文及其摘要的撰写和印制要求》的 IATEX 学位论文模板。

免责声明

- 1. 本模板的发布遵守 I₄TEX Project Public License,使用前请认真阅读协议内容。
- 2. 任何个人或组织以本模板为基础进行的使用、修改、拓展而产生的一切 后果自行承担。

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1 安装

1.1 下载

目前 RUCThesis 提供如下两种下载方式: GitHub、CTAN

1.2 文件组成

下图为本模板的文件结构。其中 chap 为章节目录, figure 为图像文件夹其中名称中有 logo 字样的为模板必要的图像, ref 为参考文献文件夹。其余所有文件都已标注在图中。



图 1: RUCThesis 文件目录

1.3 生成模板

如果对本模板机理不感兴趣的读者可以略过这里。模板源文件是 ructhesis.ins 和 ructhesis.dtx 文件, 在终端中执行如下代码:

\$ latex ructhesis.ins

可以得到 ructhesis.cls 文件,继续执行如下代码:

- \$ xelatex ructhesis.dtx
- \$ makeindex -s gind.ist -o ructhesis.ind ructhesis.idx
- \$ makeindex -s gglo.ist -o ructhesis.gls ructhesis.glo
- \$ xelatex ructhesis.dtx
- \$ xelatex ructhesis.dtx

可以得到本文档,这里不再赘述。

1.4 使用模板

如果你的模板文件中已经有 ructhesis.cls 文件可以直接略过上一步。

2 程序代码

2.1 文档类及选项定义

- $1 \langle *cls \rangle$
- 2 \NeedsTeXFormat{LaTeX2e}
- 3 \ProvidesClass{ructhesis}[2015/12/01 v1.0.0]
- $4 \neq 4$
- 5 \newif\ifruc@master
- 6 \newif\ifruc@doctor
- 7 \newif\ifruc@promaster
- 8 \newif\ifruc@shuji

bachelor 本科、硕士、专业硕士、博士选项

master 9 \DeclareOption{bachelor}{\ruc@bachelortrue}

promaster 10 \DeclareOption{master}{\ruc@mastertrue}

doctor 11 \DeclareOption{promaster}{\ruc@promastertrue}

shuji 这个选项只能在 cover.tex 中使用,代表封皮是否打印书脊。

- 13 \DeclareOption{shuji}{\ruc@shujitrue}
- 14 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{ctexbook}}

```
15 \ProcessOptions\relax
16 \ifruc@doctor\LoadClass[UTF8,zihao=-4,twoside,openright,fancyhdr]{ctexbook}
17 \else\LoadClass[UTF8,zihao=-4,oneside,openany,fancyhdr]{ctexbook}\fi
```

2.2 宏

```
18 \def\thesiscode#1{\gdef\@thesiscode{#1}}
19 \def\sign#1{\gdef\@sign{#1}}
20 \def\esign#1{\gdef\esign{#1}}
21 \def\title#1{\gdef\@title{#1}}
22 \def\subtitle#1{\gdef\@subtitle{#1}}
23 \def\author#1{\gdef\@author{#1}}
24 \ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\
25 \left(\frac{41}{1}\right)
26 \def\grade#1{\gdef\@grade{#1}}
27 \def\studentid#1{\gdef\@studentid{#1}}
28 \def\advisor#1{\gdef\@advisor{#1}}
29 \def\score#1{\gdef\@score{#1}}
31 \ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\
32 \left( \frac{1}{2} \right)
33 \def\covertitle#1{\gdef\@covertitle{#1}}
34 \def\keywordzh#1{\gdef\@keywordzh{#1}}
35 \def\keyworden#1{\gdef\@keyworden{#1}}
36 \def\doctorsign{博士学位论文}
37 \def\doctoresign{DOCTORAL DISSERTATION}
38 \def\mastersign{硕士学位论文}
39 \def\masteresign{THESIS OF MASTER DEGREE}
40 \def\promastersign{专业硕士学位论文}
41 \def\promasteresign{THESIS OF PROFESSION MASTER DEGREE}
42 \def\bachelorsign{本科毕业论文}
43 \def\bacheloresign{THESIS OF BACHELOR DEGREE}
44 \def\cabstractpagesign{摘要}
45 \def\eabstractpagesign{Abstract}
46 \def \acknowledgesign {致谢}
47 \end{\RUCThesis} {\{\t R\ern-.107em\lower.5ex\hbox{$U}\kern-.1em\ CThesis}\} }
```

2.3 页面布局

 $48 \ifruc@bachelor$

```
50 \sl \{10mm\}
           51 \ensuremath{\setminus} \texttt{else}
           52 \RequirePackage[top=45mm,left=35mm,bottom=40mm,right=30mm,headsep=20mm]{geometry}
           53 \fi
           2.4 PDF
           54 \RequirePackage{hyperref}
           55 \AtBeginDocument{
           56 \hypersetup{
          57 pdftitle={\@title},
           58 pdfauthor={\@author},
           59 pdfsubject={中国人民大学学位论文}}
           60 }
                 字体
           2.5
           61 \setmainfont{TimesNewRomanPSMT}
           62 \setsansfont{ArialMT}
           63 \setmonofont{CourierNewPSMT}
          64 \xeCJKsetup{AutoFakeSlant={true}}
           65 \setCJKmainfont{SimSun}
           66 \setCJKsansfont{SimHei}
           67 \setCJKmonofont{FangSong}
                行距
           2.6
          全文行距调整
\rowspace
           68 \newcommand{\rowspace}{%
           69 \setlength{\lineskiplimit}{2.625bp}
           70 \stlength{\lineskip}{2.625bp}
           71 \ifruc@bachelor
           73 \ensuremath{\setminus} else
           74 \simeq \{1.35\} \
           75 \fi
           76 }
```

49 \RequirePackage[top=25mm,left=25mm,bottom=25mm,right=20mm,footskip=10mm]{geometry}

2.7 空白页样式

\cleardoublepage 空白页样式设为 empty

- 77 \let\ruc@cleardoublepage\cleardoublepage
- 78 \newcommand{\ruc@clearemptydoublepage}{%
- 79 \clearpage{\pagestyle{empty}\ruc@cleardoublepage}}
- 80 \let\cleardoublepage\ruc@clearemptydoublepage

页眉页脚 2.8

这里之所以定义了这么多,完全是为了处理本科的要求......

- 81 \pagestyle{fancy}
- 82 \fancyhf{}
- 84 \rhead{}
- 85 \ifruc@bachelor
- 86 \chead{\includegraphics[width=4.13cm,height=0.8452cm]{figures/logo.pdf}}
- 87 \fancyfoot[CO,CE]{ 第 \thepage 页}
- $88 \ensuremath{\setminus} else$
- 89 \chead{\zihao{5}\@title}
- $90 \if@twoside$
- 91 \fancyfoot[RO,LE]{\thepage}
- $92 \ensuremath{\setminus} \texttt{else}$
- 93 \fancyfoot[RO,RE]{\thepage}
- 94\fi
- 95 \fi
- 96 \fancypagestyle{headings}{
- 97 \fancyhf{}
- 98 \lhead{}
- 99 \rhead{}
- 100 \ifruc@bachelor
- 101 \chead{\includegraphics[width=4.13cm,height=0.8452cm]{figures/logo.pdf}}
- 102 \fancyfoot[CO,CE]{\thepage}
- 103 \else
- 104 \chead{}\renewcommand*{\headrulewidth}{0bp}
- $105 \setminus if@twoside$
- 106 \fancyfoot[RO,LE]{\thepage}
- 107 \else
- 108 \fancyfoot[RO,RE]{\thepage}

```
109 \fi
            110 \fi}
            111 \fancypagestyle{myheadings}{
            112 \fancyhf{}
            113 \  \  )
            114 \rhead{}
            115 \chead{\includegraphics[width=4.13cm,height=0.8452cm]{figures/logo.pdf}}
            116 \fancyfoot[LO,LE]{}
            117 \fancyfoot[RO,RE]{}
            118 \fancyfoot[CO,CE]{}}
            119 fancypagestyle{plain}{
            120 \fancyhf{}
            122 \rhead{}
            123 \ifruc@bachelor
            124 \chead{}\renewcommand*{\cheadrulewidth}{opt}
            125 \fancyfoot[CO,CE]{ 第 \thepage 页}
            126 \ensuremath{\setminus} \texttt{else}
            127 \ \chead{}
            128 \renewcommand*{\headrulewidth}{Opt}
            129 \if@twoside
            130 \fancyfoot[RO,LE]{\thepage}
            131 \ensuremath{\mbox{\ensuremath{\mbox{\sc l}}}
            132 \fancyfoot[RO,RE]{\thepage}
            133 \fi
            134 \fi}
             2.9 扉页
\maketitle 插入扉页
            135 \verb|\RequirePackage{graphicx}|
            136 \ifruc@bachelor
            137 \renewcommand{\maketitle}{
            138 \newgeometry{top=25mm,left=25mm,bottom=40mm,right=20mm,footskip=0mm,a4paper}
            139 \setlength{\topskip}{5mm}
            140 \thispagestyle{myheadings}
            141 \linespread{1.5}\selectfont
            142 {\hfill\zihao}{-4}\sf\@thesiscode
```

```
143 \end{25mm} \end{
144 \@title\par
145 \zihao{2}\@subtitle\par\vskip\stretch{1}\zihao{3}
146作\qquad 者: \underline{\makebox[90mm]\@author}\hfill\par
147 学\qquad 院: \underline{\makebox[90mm]\@school}\hfill\par
148 专\qquad 业: \underline{\makebox[90mm]\@field}\hfill\par
149 年\qquad 级: \underline{\makebox[90mm]\@grade}\hfill\par
150 学\qquad 号: \underline{\makebox[90mm]\@studentid}\hfill\par
151 指导教师: \underline{\makebox[90mm]\@advisor}\hfill\par
152 论文成绩: \underline{\makebox[90mm]\@score}\hfill\par
153 日 \qquad 期: \underline{\makebox[90mm]\@date}\hfill
154 \end{center}}
155 \restoregeometry
156 \rowspace% 本科全文行距
157 }
158 \else
159 \renewcommand{\maketitle}{
160 \pagestyle{empty}
161 \begin{center}
162 \includegraphics[width=7.6cm,height=1.474cm]{figures/clogo.pdf}\\
163 \sf\zihao{1}\ziju{0.4}\@sign\par
164 \text{tt}\pi63
165 \vspace{25mm}\ziju{0}\linespread{1.5}\
166 (中文题目) \underline{\parbox[b]{110mm}\@title}\hfill\par\vspace{3mm}
167 (英文题目) \underline{\parbox[b]{110mm}\@etitle}\hfill\par
168 \vfill\ziju{0.65}
169 作者学号: \underline{\makebox[80mm]\@studentid}\hfill\par
170 作者姓名: \underline{\makebox[80mm]\@author}\hfill\par
171 所在学院: \underline{\makebox[80mm]{\ziju{0.2}\@school}}\hfill\par
172 专业名称:\underline{\parbox[b]{80mm}{\centering\ziju{0}\@field}}\hfill\par\ziju{0.65}
173 导师姓名: \underline{\makebox[80mm]\@advisor}\hfill\par\ %
174 \ziju{0.25}
175 论文主题词:\underline{\parbox[b]{80mm}{\vspace*{1pt}\centering\ziju{0}\@keywords}}
176 \hfill\par\ziju{0}
177 论文提交日期: \underline{\makebox[80mm]\@date}\hfill
178 \end{center}
179 \rowspace% 研究生全文行距
180 \clearpage
```

```
181 \if@twoside
182 \thispagestyle{empty}
183 \vspace*{\stretch{1}}
184 {\zihao{5}}
185 \definecolor{light-gray}{gray}{0.86}
186 \noindent
187 \textcolor{light-gray}{
188 Typeset by \LaTeXe{}\\
189 With package \tt{\RUCThesis}\\
190 }}
191 \cleardoublepage
192 \fi
193 }
194 \fi
```

2.10 中文摘要

```
abstractzh 中文摘要环境
```

```
195 \newenvironment{abstractzh}
196 {\clearpage\chapter*{\cabstractpagesign}\vspace*{-5mm}
197 \pagenumbering{Roman}\zihao{-4}\rm}
198 {\par\vspace*{7mm}\noindent\sf\zihao{-4} 关键词:
199 \rm\zihao{-4}\@keywordzh
200 \thispagestyle{headings}}
```

2.11 英文摘要

```
abstracten 英文摘要环境
```

```
201 \newenvironment{abstracten}
202 {\clearpage
203 \ifruc@bachelor\linespread{2}\selectfont
204 \chapter*{\bf{\eabstractpagesign}}\vspace*{-5mm}}
205 \else\chapter*{\sf{\eabstractpagesign}}\vspace*{-5mm}\fi
206 \zihao{-4}\rm}
207 {\par\vspace*{7mm}\noindent
208 \zihao{-4}\textbf{Key Words : }
209 \rm\zihao{-4}\@keyworden
210 \thispagestyle{headings}\rowspace}
```

2.12 致谢

\acknowledge 致谢环境

- 211 \newenvironment{acknowledge}
- 212 {\chapter*{\acknowledgesign}\vspace*{-5mm}
- 213 \addcontentsline{toc}{chapter}{\acknowledgesign}\zihao{-4}\rm}
- 214 {\thispagestyle{plain}}

2.13 授权

\authorization 插入授权影印件

- 215 \newcommand{\authorization}[1]
- 216 {\ifruc@doctor\cleardoublepage\else\clearpage\fi
- 217 \newgeometry{top=0mm,left=0mm,bottom=0mm,right=0mm,
- 218 text={\paperwidth,\paperheight},marginparwidth=0mm}\hspace{-9mm}
- $219 \ \text{thispagestyle} \{ \text{empty} \}$
- 220 \includegraphics[width=\paperwidth-1mm], totalheight=\paperheight-1mm] {#1}
- 221 \restoregeometry}

2.14 独创性声明

\originality 插入独创性声明

- 222 \newcommand{\originality}{
- 223 \chapter*{\zihao{-2}\heiti 独创性声明}
- 224 {\tt\zihao{-4} 本人郑重声明: 所呈交的论文是我个人在导师的指导下进行的研究工 作及取得的研究成果。尽我所知,除了文中特别加以标注和致谢的地方外,论文中不包 含其他人已经发表或撰写的研究成果, 也不包含为获得中国人民大学或其他教育机构的 学位或证书所使用过的材料。与我一同工作的同志对本研究所做的任何贡献均已在论文 中作了明确的说明并表示了谢意。\par}
- 225 \vskip 10mm\hfill
- 226 论文作者: \rule[-1ex]{30mm}{0.25pt}\qquad
- 227 日 \qquad 期: \rule[-1ex]{30mm}{0.25pt}\par
- 228 \vfil\centerline{\heiti\zihao{-2} 关于论文使用授权的说明}
- 229 \vskip 13mm
- 230 {\tt 本人完全了解中国人民大学有关保留、使用学位论文的规定,即:学校有保留送交 论文的复印件,允许论文被查阅和借阅;学校可以公布论文的全部或部分内容,可以采 用影印、缩印或其他复制手段保存论文。\par
- 231 \vskip 10mm\hfill
- 232 论文作者: \rule[-1ex]{30mm}{0.25pt}\qquad

```
233 日\qquad 期: \rule[-1ex]{30mm}{0.25pt}\par
234 \hfill \rule[0mm]{0mm}{8mm}
235 指导老师: \rule[-1ex]{30mm}{0.25pt}\qquad
236 日\qquad 期: \rule[-1ex]{30mm}{0.25pt}\par}
237 \thispagestyle{empty}
238 }
```

2.15 章节标题

```
239 \stcounter{secnumdepth}{4}
240 \ifruc@bachelor
241 \ctexset{
242 chapter = {
243 \text{ name} = \{,\},
244 number = \arabic{chapter}
245 },
246 \, \text{section} = \{
247 number = \thechapter.\arabic{section}
248 },
249 subsection = {
250 number = \thesection.\arabic{subsection}
251 },
252 subsubsection = {
253 number = \thesubsection.\arabic{subsubsection}
254 },
255 chapter/format =\vspace{-15mm}\centering,
256 chapter/numberformat = \bf\zihao{3},
257 chapter/titleformat = \sf\zihao{3},
258 chapter/nameformat = \sf\zihao{3},
259 section/format = ,
260 section/numberformat = \bf\zihao{4},
261 section/titleformat = \sf\zihao{4},
262 subsection/format = ,
263 subsection/numberformat = \bf\zihao{-4},
264 subsection/titleformat = \sf\zihao{-4},
265 \text{ subsubsection/format} = ,
266 subsubsection/numberformat = \bf\zihao{5},
267 \text{ subsubsection/titleformat =} sf \zihao{5}
268 }
```

```
269 \ensuremath{\setminus} else
270 \ctexset{
271 chapter = {
272 name = {第, 章},
273 number = \arabic{chapter}
275 chapter/format =\centering,
276 chapter/numberformat = \bf\zihao{-2},
277 chapter/nameformat = \sf\zihao{-2},
278 chapter/titleformat = \sf\zihao{-2},
279 section/format = ,
280 section/titleformat =\sf\zihao{-3},
281 section/numberformat = \bf\zihao{-3},
282 subsection/format = ,
283 subsection/numberformat = \bf\zihao{-4},
284 subsection/titleformat = \sf\zihao{-4},
285 subsubsection/format = ,
286 subsubsection/titleformat = \sf\zihao{5},
287 subsubsection/numberformat = \bf\zihao{5}
288 }
289 \fi
```

2.16 目录样式

```
290 \RequirePackage{titletoc}
291 \titlecontents{chapter}[0pt]{\sf\zihao{4}\addvspace{2pt}\filright}
292 {\contentspush{\thecontentslabel\ }}
293 {}{\titlerule*[10pt]{.}{\bf\contentspage}}
294 \titlecontents{section}[2em]{\rm\zihao{-4}\addvspace{2pt}\filright}
295 {\contentspush{\thecontentslabel\ }}
296 {}{\titlerule*[10pt]{.}\contentspage}
297 \titlecontents{subsection}[4em]{\rm\zihao{-4}\addvspace{2pt}\filright}
298 {\contentspush{\thecontentslabel\ }}
299 {}{\titlerule*[10pt]{.}\contentspage}
300 \titlecontents{figure}[10pt]{\rm\zihao{-4}\addvspace{2pt}}}
301 {\mathbb{E} \cappa\theta\thecontentslabel\, }
302 {}{\titlerule*[10pt]{.}\contentspage}
303 \titlecontents{table}[10pt]{ \rm\zihao{-4}\addvspace{2pt}}}
304 {\mathbb{E} \cappa\theta\thecontentslabel\, }
```

305 {}{\titlerule*[10pt]{.}\contentspage}

2.17 本科脚注

```
\ruc@textcircled 本科的圆形脚注...
                                                306 \RequirePackage{ifxetex}
                                                307 \RequirePackage{ifthen,calc}
                                                308 \def\ruc@textcircled#1{%
                                                309 \ifnum \value{#1} <10 \textcircled{\zihao{-6}\arabic{#1}}
                                                310 \leq \frac{\#1}{\sin \sqrt{\pi}} \frac{100 \esc}{\pi1}}
                                                311 \fi}
                                                312 \ifruc@bachelor
                                                313 \renewcommand{\thefootnote}{\ruc@textcircled{footnote}}
                                                314 \mbox{ } \mbox{
                                                315 \def\footnoterule{\vskip-3\p@\hrule\@width0.3\textwidth\@height0.4\p@\vskip2.6\p@}
                                                316 \let\ruc@footnotesize\footnotesize
                                                317 \renewcommand\footnotesize{\ruc@footnotesize\zihao{-5}}
                                                320 \bgroup
                                                321 \newbox\ruc@tempboxa
                                                322 \setbox\ruc@tempboxa\hbox{%
                                                323 \hb@xt@ 1.5em{\@thefnmark\hss}}
                                                324 \left\lceil \frac{1}{2} \right\rceil
                                                325 \rightmargin\z@
                                                326 \linewidth \columnwidth
                                                327 \advance \linewidth -\leftmargin
                                                328 \parshape \@ne \leftmargin \linewidth
                                                329 \setminus footnotesize
                                                330 \@setpar{{\@@par}}%
                                                331 \leavevmode
                                                332 \llap{\box\ruc@tempboxa}%
                                                333 #1
                                                334 \par\egroup}\else\fi
```

2.18 本科签名

\autograph 插入签名,在普通章节文件中插入无限制,但在 main.tex 文件插入时被插入的章节不能使用\include 命令,需使用\input 命令。

```
336 \newcommand{\autograph}{ %
                    337 {\noindent\zihao{4}\sf\rule[0mm]{0mm}{15mm} 作者签名:
                    338 \rule[-1ex]{30mm}{0.25pt}}}
                    339 \leq fi
                      2.19
                                            封面
                      封皮都是研究生院统一从印刷厂印制,普通的打印店貌似做不出来.....
                    340 \RequirePackage{lscape}
                    341 \RequirePackage{multicol}
                    342 \RequirePackage{color}
                    343 \RequirePackage[dvipsnames,prologue,table]{pstricks}
                    344 \definecolor{rucblue}{rgb}{0.129,0.482,0.663}
                    345 \ensuremath{\mbox{\mbox{$\mbox{$}$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensuremath{\mbox{$}}\ensurema
                    346 \ensuremath{\mbox{definecolor{rucred}{rgb}{0.569,0.129,0.2}}
                    347 \ensuremath{\mbox{definecolor{rucgreen}{rgb}{0.333,0.608,0.627}}
                    348 \ensuremath{\mbox{definecolor{rucwhite}{rgb}{0.999,0.999,0.999}}
                    349 \definecolor{rucbalck}{rgb}{0,0,0}
           \x 封面标识使用的是方正小标宋字体, PostScript 名称: FZXBSJW-GB1-0
                    350 \setCJKfamilyfont{X}{FZXBSJW--GB1-0}
                    351 \mbox{\command}{X}{\command}{X}
\cover 封面生成命令需在 cover.tex 文件中使用
                    352 \newcommand{\cover}{
                    353 \newgeometry{top=0mm,left=20mm,bottom=0mm,right=0mm,voffset=10mm,columnsep=5.5cm}
                    354 \ifruc@doctor
                    355 \pagecolor{rucorange}
                    356 \else
                    357 \ifruc@master
                    358 \pagecolor{rucblue}
                    359 \ensuremath{\setminus} else
                    360 \ifruc@promaster
                    361 \pagecolor{rucgreen}
                    362 \ensuremath{\setminus} \texttt{else}
                    363 \pagecolor{rucred}
                    364\fi
                    365 \fi
```

335 \ifruc@bachelor

```
366 \fi
367 \begin{landscape}
368 \begin{multicols}{2}
369 \rule[Omm]{22mm}{Omm}
370 \ifruc@doctor
371 \include graphics [width=5.7cm, height=1.14cm] {figures/logo.pdf} \
372 \else
373 \ifruc@promaster
374 \include graphics [width=6.3cm,height=1.26cm]{figures/logoW.pdf}\\
375 \ensuremath{\setminus} else
376 \include graphics [width=5.7cm,height=1.14cm]{figures/logoW.pdf}\
377 \fi\fi
378 {\X
379 \ifruc@doctor
380 \color{rucred}
381 \else\color{rucwhite}
382 \left[10mm\right] \{30mm\} \{0mm\}
383 \ifruc@doctor
384 \mbox[5.7cm][s]{\doctorsign}\
385 \zihao\{-4\}\rule[6mm]\{32mm\}\{0mm\}\makebox[5.7cm][s]\{\doctoresign\}
386 \ensuremath{\setminus} \texttt{else}
387 \ifruc@master
388 \mbox[5.7cm][s]{\mbox[s]}
389 \zihao\{-4\}\rule[6mm]\{32mm\}\makebox[5.7cm][s]\{\masteresign\}
390 \ensuremath{\setminus} \texttt{else}
391 \ifruc@promaster
392 \mbox{makebox[6.3cm][s]{\promastersign}}\
393 \zihao\{-5\}\rule[6mm]\{32mm\}\{0mm\}\makebox[6.3cm][s]\{\promasteresign\}
394 \else
395 \mbox{5.7cm}[s]{\bachelorsign}\\
396 \zihao{5}\rule[0mm]{32mm}{0mm}\makebox[5.7cm][s]{\bacheloresign}
397 \left\{ i\right\}
398 \vfill
399 \begin{center}
400 \colon{line}{0mm}{30mm}\\
401 \ifruc@doctor
402 \includegraphics[width=2cm,height=2cm]{figures/logo2.pdf}\vspace{2mm}\\
403 \verb|\cludegraphics[width=5.7cm,height=1.5048cm]{figures/logo3.pdf}| \verb|\cludegraphics[width=5.7cm,height=1.5048cm]| figures/logo3.pdf}| \verb|\cludegraphics[width=5.7cm,height=1.5048cm]| figures/logo3.pdf| fi
```

```
404 \ensuremath{\setminus} else
405 \verb|\colored=| 405 
406 \colored{higher} 1.5048cm \figures/logoW3.pdf} \colored{higher} \colored{higher} 1.5048cm \figures/logoW3.pdf} \colored{higher} \colored
407 \fi
408 {\X
409 \ifruc@doctor
410 \color{rucred}
411 \ensuremath{\setminus} else
412 \color{rucwhite}
413 \fi
414 \gamma \{0\} \gamma \{0.3\}
415 \ifruc@doctor\doctorsign
416 \ensuremath{\setminus} else
417 \ifruc@master\mastersign
418 \ensuremath{\setminus} else
419 \ifruc@promaster\ziju{0.1}\promastersign
420 \else\bachelorsign
421 fifi\pi \pi\pi\pi^{-4} rule[0mm] {0mm} {10mm}
422 \ifruc@doctor\doctoresign
423 \ensuremath{\setminus} else
424 \ifruc@master\masteresign
425 \ensuremath{\setminus} else
426 \ifruc@promaster\promasteresign
427 \else\bacheloresign
428 \left[ \frac{1}{fi}\right] \
429 \vspace \{40mm\}\ziju\{0\}\linespread\{1.5\}\rule[0mm]\{0mm\}\{30mm\}
430 \ifruc@doctor\color{rucbalck}\else\color{rucwhite}\fi
431 论文题目:\underline{\parbox[b]{100mm}\@title}\hfill\par \rule[0mm]{0mm}{10mm}
432 英\qquad 文: \underline{\parbox[b]{100mm}\@etitle}\hfill\par
433 \vspace{20mm}\
434 \ \text{(qquad $a$:\underline(\makebox[100mm]\cauthor)\hfill\par\rule[0mm]{0mm}{10mm}}
435 指导教师: \underline{\makebox[100mm]\@advisor}\hfill\par
436 \space{18mm}\odate
437 \end{center}
438 \end{multicols}
439 \thispagestyle{empty}
```

要求中只有博士是需要书脊的(硕士可选),需要设置纸张高度为两张 A4 纸宽度

(420mm) 再加书脊的宽度, 100 张 A4 纸厚度约为 1cm。

- 440 \ifruc@shuji
- 441 \ifruc@doctor\color{rucbalck}\else\color{rucwhite}\fi
- $442 \t[u]{0}(0.5\paperheight,15){{\sf\zihao{3}\shortstack[c]{\covertitle}}}$
- 443 \uput[u]{0}(0.5\paperheight,3){{\sf\zihao{3}\shortstack[c]{中\\国\\人\\民\\大\\学}}}
- 444 \else\fi
- $445 \end{landscape}$
- 446 \restoregeometry
- 447 }

2.20 图表 caption 设定

- $448 \RequirePackage{caption2}$
- 449 \captionstyle{normal}
- $450 \verb|\captionfont|{\captionfont}{\captionfont} = 0.53 each of the continuous continuo$
- $451 \mbox{ }\mbox{captionlabel} font}{\mbox{\captionlabel} font}{\mbox{\captionlabel} font}$
- $452 \mbox{renewcommand{\captionlabeldelim}{\,\,}$

2.21 表格宏包

- 453 \RequirePackage{booktabs}% 三线表
- 454 \RequirePackage{colortbl}% 表格颜色
- 455 \RequirePackage{diagbox}% 表头制作
- 456 \RequirePackage{longtable}% 长表格
- 457 \RequirePackage{multirow}% 跨行宏包

2.22 表格 caption 上下间距

- $458 \verb|\colored]{458} \\$
- 459 \setlength{\belowcaptionskip}{6pt}

2.23 插图宏包

- 460 \RequirePackage{wrapfig}% 图文混排,段落首字下沉
- 461 \RequirePackage{subfigure}% 子图
- 462 \RequirePackage{tikz}% 绘图

2.24 数学宏包

- 463 $\RequirePackage{amsmath,amsfonts}$ %
- 464 \RequirePackage{latexsym,bm}%
- 465 \RequirePackage{extarrows}%

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