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]
- $4 \neq 0$
- 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 \linespread{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 \newif\if@subtitle
            137 \ifruc@bachelor
            138 \renewcommand{\maketitle}{
            139 \verb| newgeometry{top=25mm,left=25mm,bottom=40mm,right=20mm,footskip=0mm,a4paper}| \\
            140 \setlength{\topskip}{5mm}
            141 \thispagestyle{myheadings}
            142 \leq 1.5 \leq 1.5
```

```
143 \frac{-4}\sqrt{-4}\right
144 \end{1}\rule[0mm] {0mm} {25mm} \end{1}\rule[15mm] 
145 \@title\par
146 \zihao{2}\0 subtitle true \par\v skip\stretch{1}\zihao{3}
147作\qquad 者: \underline{\makebox[90mm]\@author}\hfill\par
148 学\qquad 院: \underline{\makebox[90mm]\@school}\hfill\par
149 专\qquad 业: \underline{\makebox[90mm]\@field}\hfill\par
150 年\qquad 级: \underline{\makebox[90mm]\@grade}\hfill\par
151 学\qquad 号: \underline{\makebox[90mm]\@studentid}\hfill\par
152 指导教师: \underline{\makebox[90mm]\@advisor}\hfill\par
153 论文成绩: \underline{\makebox[90mm]\@score}\hfill\par
154 日 \qquad 期: \underline{\makebox[90mm]\@date}\hfill
155 \end{center}}
156 \restoregeometry
157 \rowspace% 本科全文行距
158 }
159 \else
160 \renewcommand{\maketitle}{
161 \pagestyle{empty}
162 \begin{center}
163 \includegraphics [width=7.6cm, height=1.474cm] figures/clogo.pdf\\
164 \sf\zihao{1}\ziju{0.4}\@sign\par
165 \text{tt}\pi63
166 \vspace{25mm}\ziju{0}\linespread{1.5}\selectfont
167 (中文题目) \underline{\parbox[b]{110mm}\@title}\hfill\par\vspace{3mm}
168 (英文题目) \underline{\parbox[b]{110mm}\@etitle}\hfill\par
169 \vfill\ziju{0.65}
170 作者学号: \underline{\makebox[80mm]\@studentid}\hfill\par
171 作者姓名: \underline{\makebox[80mm] \@author} \hfill \par
172 所在学院: \underline{\makebox[80mm]{\ziju{0.2}\@school}}\hfill\par
173 专业名称:\underline{\parbox[b]{80mm}{\centering\ziju{0}\@field}}\hfill\par\ziju{0.65}
174 导师姓名: \underline{\makebox[80mm]\@advisor}\hfill\par
175 \ziju{0.25}
176 论文主题词:\underline{\parbox[b]{80mm}{\vspace*{1pt}\centering\ziju{0}\@keywords}}
177 \hfill\par\ziju{0}
178 论文提交日期: \underline{\makebox[80mm]\@date}\hfill
179 \end{center}
180 \rowspace% 研究生全文行距
```

```
181 \clearpage

182 \if@twoside

183 \thispagestyle{empty}

184 \vspace*{\stretch{1}}

185 {\zihao{5}}

186 \definecolor{light-gray}{gray}{0.86}

187 \noindent

188 \textcolor{light-gray}{

189 Typeset by \LaTeXe{}\\

190 With package \tt{\RUCThesis}\\

191 }}

192 \cleardoublepage

193 \fi

194 }

195 \fi
```

2.10 中文摘要

```
abstractzh 中文摘要环境

196 \newenvironment{abstractzh}

197 {\clearpage\chapter*{\cabstractpagesign}\vspace*{-5mm}

198 \pagenumbering{Roman}\zihao{-4}\rm}

199 {\par\vspace*{7mm}\noindent\sf\zihao{-4} 关键词:

200 \rm\zihao{-4}\@keywordzh

201 \thispagestyle{headings}}
```

2.11 英文摘要

```
abstracten 英文摘要环境

202 \newenvironment{abstracten}

203 {\clearpage

204 \ifruc@bachelor\linespread{2}\selectfont

205 \chapter*{\bf{\eabstractpagesign}}\vspace*{-5mm}}

206 \else\chapter*{\sf{\eabstractpagesign}}\vspace*{-5mm}\fi

207 \zihao{-4}\rm}

208 {\par\vspace*{7mm}\noindent

209 \zihao{-4}\textbf{Key Words : }

210 \rm\zihao{-4}\@keyworden

211 \thispagestyle{headings}\rowspace}
```

2.12 致谢

\acknowledge 致谢环境

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

2.13 授权

\authorization 插入授权影印件

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

2.14 独创性声明

\originality 插入独创性声明

- 223 $\mbox{newcommand{\originality}{}}$
- 224 \chapter*{\zihao{-2}\heiti 独创性声明}
- 225 {\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}
- 226 \vskip 10mm\hfill
- 227 论文作者: \rule[-1ex]{30mm}{0.25pt}\qquad
- 228 日\qquad 期: \rule[-1ex]{30mm}{0.25pt}\par
- 229 \vfil\centerline{\heiti\zihao{-2} 关于论文使用授权的说明}
- 230 \vskip 13mm
- 231 {\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
- 232 \vskip 10mm\hfill
- 233 论文作者: \rule[-1ex]{30mm}{0.25pt}\qquad

```
234 日\qquad 期: \rule[-1ex]{30mm}{0.25pt}\par
235 \hfill \rule[0mm]{0mm}{8mm}
236 指导老师: \rule[-1ex]{30mm}{0.25pt}\qquad
237 日\qquad 期: \rule[-1ex]{30mm}{0.25pt}\par}
238 \thispagestyle{empty}
239 }
```

2.15 章节标题

```
240 \strut_{secnumdepth}{4}
241 \ifruc@bachelor
242 \ctexset{
243 \text{ chapter} = \{
244 \text{ name} = \{,\},
245 number = \arabic{chapter}
246 },
247  section = {
248 number = \thechapter.\arabic{section}
249 },
250 subsection = {
251 number = \thesection.\arabic{subsection}
252 },
253 subsubsection = {
254 number = \thesubsection.\arabic{subsubsection}
255 },
256 chapter/format =\vspace{-15mm}\centering,
257 chapter/numberformat = \bf\zihao{3},
258 chapter/titleformat = \sf\zihao{3},
259 chapter/nameformat = \sf\zihao{3},
260 section/format = ,
261 section/numberformat = \bf\zihao{4},
262 section/titleformat = \sf\zihao{4},
263 subsection/format = ,
264 subsection/numberformat = \bf\zihao{-4},
265 subsection/titleformat = \sf\zihao{-4},
266 subsubsection/format = ,
267 subsubsection/numberformat = \bf\zihao{5},
268 subsubsection/titleformat =\sf \zihao{5}
269 }
```

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

2.16 目录样式

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

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

2.17 本科脚注

```
\ruc@textcircled 本科的圆形脚注...
               307 \RequirePackage{ifxetex}
               308 \RequirePackage{ifthen,calc}
               309 \def\ruc@textcircled#1{%
               310 \ifnum \value{#1} <10 \textcircled{\zihao{-6}\arabic{#1}}
               311 \leq \sinh \sqrt{1} < 100 \det {1} < 100 \det {7} \cdot {1}
               312 \fi}
               313 \ifruc@bachelor
               314 \renewcommand{\thefootnote}{\ruc@textcircled{footnote}}
               315 \renewcommand{\thempfootnote}{\ruc@textcircled{mpfootnote}}
               316 \def\footnoterule{\vskip-3\p@\hrule\@width0.3\textwidth\@height0.4\p@\vskip2.6\p@}
               317 \let\ruc@footnotesize\footnotesize
               318 \renewcommand\footnotesize{\ruc@footnotesize\zihao{-5}}
               321 \bgroup
               322 \newbox\ruc@tempboxa
               323 \setbox\ruc@tempboxa\hbox{%
               324 \hb@xt@ 1.5em{\dthefnmark\hss}}
               325 \leftmargin\wd\ruc@tempboxa
               326 \rightmargin\z@
               327 \linewidth \columnwidth
               328 \advance \linewidth -\leftmargin
               329 \parshape \@ne \leftmargin \linewidth
               330 \setminus footnotesize
               331 \@setpar{{\@@par}}%
               332 \leavevmode
               333 \llap{\box\ruc@tempboxa}%
               334 #1
               335 \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。

```
337 \newcommand{\autograph}{\\{\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} \mathtt{else}
                    360 \ifruc@promaster
                    361 \pagecolor{rucgreen}
                    362 \ensuremath{\setminus} \texttt{else}
                    363 \pagecolor{rucred}
                    364\fi
                    365 \fi
```

336 \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 \gamma (-4) = [6mm] (32mm) \max [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
- $442 \t[1]{0}(0.5\paperheight,20){{\sf\zihao{3}\shortstack[c]{\covertitle}}}$
- 443 \uput[1]{0}(0.5\paperheight,5){{\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}
- $450 \end{\captionfont} {\zihao{5}\rm}$
- $451 \mbox{ }\mbox{captionlabel} font}{\mbox{\captionlabel}\mbox{\captionlabel}\mbox{\caption}$
- $452 \mbox{renewcommand{\captionlabeldelim}{\,\,}$

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

- $458 \verb|\colored]{fpt}$
- 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 $\RequirePackage{amsmath,amsfonts}$ %
- $464 \ensuremath{\mbox{\sc NequirePackage}\{\mbox{\sc latexsym,bm}\}\%}$
- 465 \RequirePackage{extarrows}%

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