XDU-THESIS：西安电子科技大学学位论文模板*

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摘　要

本宏包旨在建立一个简单易用的、符合西安电子科技大学各级学位撰写格式要求的论文模板。目前已经完整支持从学士到硕士及博士学位论文的最新格式。目前研究生论文（硕士、博士学位论文）符合研究生院 2014 年发布的学位论文版式要求。

免责声明

1. 本模板的发布遵守 LaTeX Project Public License (v1.3c) [1]，使用前请认真阅读协议内容。
2. 本模板为作者根据西安电子科技大学教务处颁布的《本科生毕业设计（论文）工作手册》、研究生院颁布的《西安电子科技大学研究生学位论文撰写标准》编写而成，旨在供西安电子科技大学毕业生撰写学位论文使用。
3. 此模板仅为写作指南的参考实现，不保证格式审查老师不提任何意见。任何由于使用本模板而引起的论文格式审查问题均与本模板作者无关。
4. 任何个人或组织以本模板为基础进行修改、扩展而生成的新的专用模板，请严格遵守 LaTeX Project Public License 协议。由于违犯协议而引起的任何纠纷争端均与本模板作者无关。

*Xidian University XeLaTeX Thesis Template.

[1] http://www.latex-project.org/lppl.txt

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1 模板介绍

本模板为作者根据西安电子科技大学教务处颁布的《本科生毕业设计（论文）工作手册》以及研究生院颁布的《西安电子科技大学研究生学位论文撰写标准》编写而成，旨在供西安电子科技大学毕业生撰写学位论文使用。目前模板支持从学士到硕士、博士等三级学位论文的排版。

模板在 `examples` 目录下提供了学士学位论文 (`thesis-bachelor.tex`)、硕士学位论文 (`thesis-master.tex`)、专业硕士学位论文 (`thesis-masterpro.tex`) 以及博士学位论文 (`thesis-doctor.tex`) 的使用示例。用户可以选择自己需要的样例，并在样例的基础上修改使用。这此论文样例的实际内容为模板的使用说明，建议在使用模板前认真阅读。为方便用户阅读，该说明按照博士学位论文版式进行了编译，并随模板一同发布 (文件 `thesis-doctor.pdf`)。

模板在 `texlive` (https://www.tug.org/texlive/) 下进行了详细的测试，能够正常工作。对于其他 XeLaTeX 的发布版本，由于没有进行完整测试，暂时无法确定模板的是否能够正常工作。

XDU-*THESIS* 的主页是：https://github.com/fredqi/xduthesis。用户可以到该主页查看模板的开发进展、下载最新版本。如果在使用中遇到问题，请在页面 https://github.com/fredqi/xduthesis/issues 报告您所遇到的问题。希望在报告错误时能够提供测试代码，以便更快的定位和排查错误。

致谢

本模板经过多年不断积累完善，终于达到了可以正式发布的状态。在此对本模板开发、测试做出贡献与帮助的人一并表示谢意。`xeCJK` 宏包是本模板中文字体支持的基础，模板中的很多格式在实现方式上参考了 `thuthesis` 宏包，在此对这两个宏包的开发人员孙文昌、刘海洋[2]、李清[3]与薛瑞尼[4]等人表示深挚的谢意。

本模板的本科学位论文封面部分参考了 bigeagle 等人开发维护的 `XDBA-thesis` 论文模板，在此表示感谢。研究生论文封面由陆丹峰[5]参照 `XDBA-thesis` 实现了第一个可用版本，在此亦表示感谢。

在本模板开发过程中，我所指导的硕士生陆丹峰、韩钧宇和谷跃胜、本科毕业生王蓬金、赵亚龙、博士生吴金建等人先后试用了功能尚不完善、实现存在严重缺陷的开发版本，为本模板的进一步开发完善提供了宝贵的意见，在此一并表示感谢。

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2 实现细节

2.1 基本信息

2.2 定义选项

定义论文类型以及是否涉密

```
⟨*class⟩
\hyphenation{XDU-Thesis}
\def\xduthesis{$\mathbb{XDU}$-$\mathcal{THESIS}$}
\def\version{1.0.0}
\newif\ifxdu@bachelor\xdu@bachelorfalse
\newif\ifxdu@master\xdu@masterfalse
\newif\ifxdu@masterpro\xdu@masterprofalse
\newif\ifxdu@doctor\xdu@doctorfalse
\newif\ifxdu@secret\xdu@secretfalse
\newif\ifxdu@english\xdu@englishfalse
\newif\ifxdu@mkabstract\xdu@mkabstractfalse
\newif\ifxdu@print\xdu@printfalse
\newif\ifxdu@msfonts\xdu@msfontsfalse
\DeclareOption{bachelor}{\xdu@bachelortrue}
\DeclareOption{master}{\xdu@mastertrue}
\DeclareOption{masterpro}{\xdu@masterprotrue}
\DeclareOption{doctor}{\xdu@doctortrue}
\DeclareOption{secret}{\xdu@secrettrue}
\DeclareOption{english}{\xdu@englishtrue}
\DeclareOption{print}{\xdu@printtrue}
\DeclareOption{msfonts}{\xdu@msfontstrue}
\DeclareOption{adobefonts}{\xdu@msfontsfalse}
\AtEndOfClass{%
  \ifxdu@doctor\relax\else
    \ifxdu@bachelor\relax\else
      \ifxdu@master\relax\else
        \ifxdu@masterpro\relax\else
          \ClassError{xduthesis}%
        {Please specify a thesis option: bachelor, master, masterpro or doctor.}{}
        \fi
      \fi
    \fi
  \fi}
\ExecuteOptions{}
\ProcessOptions
```

```
\ifxdu@print
\LoadClass[12pt, a4paper, openright]{book}
\else
\LoadClass[12pt, a4paper, openany]{book}
\fi
⟨/class⟩
```

2.3 装载宏包

设置页边距等引用宏包

```
⟨*class⟩
\RequirePackage{calc}
```

参考文献引用宏包。

```
\RequirePackage[numbers,super,sort&compress]{natbib}
```

```
\ifxdu@print
\RequirePackage[xetex,colorlinks=true,allcolors=black]{hyperref}
\else
\RequirePackage[xetex,colorlinks=true]{hyperref}
\fi
```

引用的宏包和相应的定义。hypernat 让 hyperref 和 natbib 协调的工作。应该在 natbib 和 hyperref 之后加载，参看其文档。

```
% \RequirePackage{hypernat}
```

首行缩进。

```
\RequirePackage{indentfirst}
```

更好的列表环境。

```
\RequirePackage[neverdecrease]{paralist}
```

页眉页脚。

```
% \RequirePackage{fancyhdr}
```

AMSLaTeX 宏包，用来排出更加漂亮的公式

```
\RequirePackage{amsmath, amssymb}
```

图形支持宏包。

```
\RequirePackage{graphicx}
```

并排图形。subfigure 已经不再推荐，用新的 subfig。加入 config 选项以便兼容 subfigure 的命令。浮动图形和表格标题样式。caption2 已经不推荐使用，采用新的 caption。它会自动被 subfig 装载进来。所以可以在后面看到 \captionsetup 的命令。

```
\RequirePackage{subfig}
% 下划线（虚线）
% \dashuline{dashing} dashed underline like dashing
\RequirePackage[normalem]{ulem}
```

载入标题格式宏包。

```
\RequirePackage{ifthen}
\RequirePackage{titlesec,titletoc}
```

本模板是基于 XeLaTeX 的。

```
\RequirePackage[BoldFont]{xeCJK}
%
% \changes{v0.9.8}{2013/03/14}{增加 msfonts 选项以使用微软字体}
% \changes{v0.9.1}{2009/06/17}{使用全角格式中文标点符号}
%
\punctstyle{quanjiao}
\def\CJK@null{\kern\CJKnullspace\Unicode{48}{7}\kern\CJKnullspace}
\defaultfontfeatures{Mapping=tex-text} % after fontspec
\ifxdu@msfonts
\setCJKmainfont{SimSun}
\setCJKsansfont{SimHei}
\setCJKmonofont{KaiTi_GB2312}
\setCJKfamilyfont{song}{SimSun}
\setCJKfamilyfont{hei}{SimHei}
\setCJKfamilyfont{fs}{FangSong_GB2312}
\setCJKfamilyfont{kai}{KaiTi_GB2312}
\setCJKfamilyfont{li}{Adobe Kaiti Std}
\setCJKfamilyfont{you}{LiSu}
\else
\setCJKmainfont{Adobe Song Std}
\setCJKsansfont{Adobe Heiti Std}
\setCJKfamilyfont{song}{Adobe Song Std}
\setCJKfamilyfont{hei}{Adobe Heiti Std}
% \setCJKmonofont{Adobe Kaiti Std}
% \setCJKfamilyfont{fs}{Adobe Fangsong Std}
% \setCJKfamilyfont{kai}{Adobe Kaiti Std}
\fi
\setmainfont{Times New Roman}
\setsansfont{Arial}
```

```
\setmonofont{Courier Std}
% \changes{v0.9.3}{2011/04/20}{引用宏包顺序调整，以避免\texttt{nobreakspace} 的问题}
% \changes{v0.9.7}{2012/12/11}{\texttt{xeCJK} 与\texttt{xltxtra} 冲突导致标点出错}
\RequirePackage{xunicode,metalogo}
⟨/class⟩
```

2.4 主文档格式

2.4.1 Three matters

```
⟨*class⟩
\renewcommand\frontmatter{%
  \xdu@clearpage%
  \@mainmatterfalse
  \ifxdu@bachelor\pagenumbering{roman}\else\pagenumbering{Roman}\fi
  \pagestyle{xdu@front}}
\renewcommand\mainmatter{%
  \xdu@clearpage
  \@mainmattertrue
  \pagenumbering{arabic}
  \pagestyle{xdu@headings}}
\renewcommand\backmatter{%
  \xdu@clearpage
  \@mainmattertrue}
⟨/class⟩
```

2.4.2 字体

Ref 2: WORD 中的字号对应该关系如下:

```
初号 = 42bp = 14.82mm = 42.1575pt
小初 = 36bp = 12.70mm = 36.135 pt
一号 = 26bp = 9.17mm = 26.0975pt
小一 = 24bp = 8.47mm = 24.09pt
二号 = 22bp = 7.76mm = 22.0825pt
小二 = 18bp = 6.35mm = 18.0675pt
三号 = 16bp = 5.64mm = 16.06pt
小三 = 15bp = 5.29mm = 15.05625pt
四号 = 14bp = 4.94mm = 14.0525pt
小四 = 12bp = 4.23mm = 12.045pt
五号 = 10.5bp = 3.70mm = 10.59375pt
小五 = 9bp = 3.18mm = 9.03375pt
六号 = 7.5bp = 2.56mm
```

```
小六 = 6.5bp = 2.29mm
七号 = 5.5bp = 1.94mm
八号 = 5bp = 1.76mm

1bp = 72.27/72 pt
```

\song
\songti
\hei
\heiti

```
⟨*class⟩
\newcommand{\song}{\CJKfamily{song}} % 宋体
\def\songti{\song}
\newcommand{\hei}{\CJKfamily{hei}} % 黑体
\def\heiti{\hei}
```

\chuhao
\xiaochu
\yihao
\xiaoyi
\erhao
\xiaoer
\sanhao
\xiaosan
\sihao
\banxiaosi
\xiaosi
\dawu
\wuhao
\xiaowu
\liuhao
\xiaoliu
\qihao
\bahao

```
\newlength\xdu@linespace
\newcommand{\xdu@choosefont}[2]{%
    \setlength{\xdu@linespace}{#2*\real{#1}}%
    \fontsize{#2}{\xdu@linespace}\selectfont}
\def\xdu@define@fontsize#1#2{%
  \expandafter\newcommand\csname #1\endcsname[1][\baselinestretch]{%
    \xdu@choosefont{##1}{#2}}}
\xdu@define@fontsize{chuhao}{42bp}
\xdu@define@fontsize{xiaochu}{36bp}
\xdu@define@fontsize{yihao}{26bp}
\xdu@define@fontsize{xiaoyi}{24bp}
\xdu@define@fontsize{erhao}{22bp}
\xdu@define@fontsize{xiaoer}{18bp}
\xdu@define@fontsize{sanhao}{16bp}
\xdu@define@fontsize{xiaosan}{15bp}
\xdu@define@fontsize{sihao}{14bp}
\xdu@define@fontsize{banxiaosi}{13bp}
\xdu@define@fontsize{xiaosi}{12bp}
\xdu@define@fontsize{dawu}{11bp}
\xdu@define@fontsize{wuhao}{10.5bp}
\xdu@define@fontsize{xiaowu}{9bp}
\xdu@define@fontsize{liuhao}{7.5bp}
\xdu@define@fontsize{xiaoliu}{6.5bp}
\xdu@define@fontsize{qihao}{5.5bp}
\xdu@define@fontsize{bahao}{5bp}
```

定义行距，正文小四号（12pt）字，行距为 1.5 倍行距

```
\renewcommand\normalsize{\@setfontsize\normalsize{12bp}{18bp}}
\renewcommand\baselinestretch{1.2}
⟨/class⟩
```

2.4.3 页面设置

```
⟨*class⟩
\setlength{\textwidth}{\paperwidth}
\addtolength{\textwidth}{-6cm}
\setlength{\textheight}{\paperheight}
\ifxdu@bachelor
\addtolength{\textheight}{-4.5cm}
\setlength{\topmargin}{1.45cm-1in}
\setlength{\headheight}{20pt}
\setlength{\headsep}{0.6cm}
\setlength{\footskip}{18pt}
\else
\addtolength{\textheight}{-5.5cm}
\setlength\voffset{3cm-1in}
\setlength{\topmargin}{-5ex}
\setlength{\headheight}{3ex}
\setlength{\headsep}{2ex}
\setlength{\footskip}{5ex}
\addtolength{\textheight}{-3ex}
\fi
\setlength\marginparwidth{0cm}
\setlength\marginparsep{0cm}
\setlength{\oddsidemargin}{4cm-1in}
\setlength{\evensidemargin}{2cm-1in}
% \setlength{\topskip}{0pt}
% \setlength{\skip\footins}{15pt}
⟨/class⟩
```

2.4.4 页眉页脚

新的一章最好从奇数页开始（openright），所以必须保证它前面那页如果没有内容也必须没有页眉页脚。code stolen from fancyhdr

```
⟨*class⟩
\def\xdu@clearpage{%
  \clearpage%
  \if@openright%
    \ifodd\c@page\relax\else%
      \null\thispagestyle{xdu@empty}\newpage%
```

```
    \fi%
  \fi}
```

定义页眉和页脚。chapter 自动调用 thispagestylexdu@front，所以要重新定义 xdu@front。

\ps@xdu@empty
\ps@xdu@front
\ps@xdu@headings

定义页眉页脚格式：

- xdu@empty：无页眉页脚
- xdu@front：页眉中无页码
- xdu@headings：页眉中显示页码

```
\ifxdu@bachelor%
  \def\ps@xdu@header@rules{\vskip2pt\rule{\textwidth}{0.6pt}}
\else
  \def\ps@xdu@header@rules{
    \vskip4pt\rule{\textwidth}{0.6pt}%
    \vskip0.8pt\rule{\textwidth}{0.6pt}}
\fi
\def\ps@xdu@header@lefttext{%
  \hbox to\textwidth{%
    \hfil{\wuhao\noindent\leftmark}\hfil%
    {\ifxdu@bachelor\xiaowu\thepage\hskip1pt\fi}}}
\def\ps@xdu@header@righttext{%
  \hbox to\textwidth{%
    {\ifxdu@bachelor\xiaowu\thepage\hskip1pt\fi}%
    \hfil{\let\\=\relax\wuhao\rightmark}\hfil}}
\def\ps@xdu@footer@text{%
  \ifxdu@bachelor\relax\else%
  \hbox to\textwidth{\hfil{\xiaowu\thepage}\hfil}\fi}
% \def\ps@xdu@foot@doctor{\vbox{\vskip10pt\rule{\textwidth}{1mm}%
%     \vskip1pt\rule{\textwidth}{0.75pt}\vskip1pt%
%     \hbox to\textwidth{\hfil{\wuhao\ps@xdu@pagefoot}\hfil}}}
\def\ps@xdu@empty{%
  \let\@oddhead\@empty%
  \let\@evenhead\@empty%
  \let\@oddfoot\@empty%
  \let\@evenfoot\@empty}
\def\ps@xdu@front{%
  \def\@oddhead{\vbox{\ps@xdu@header@lefttext\ps@xdu@header@rules}}%
  \def\@evenhead{\vbox{\ps@xdu@header@righttext\ps@xdu@header@rules}}%
  \def\@oddfoot{\ps@xdu@footer@text}%
  \def\@evenfoot{\ps@xdu@footer@text}%
```

```
}
\def\ps@xdu@headings{%
  \def\@oddhead{\vbox{\ps@xdu@header@lefttext\ps@xdu@header@rules}}%
  \def\@evenhead{\vbox{\ps@xdu@header@righttext\ps@xdu@header@rules}}%
  \def\@oddfoot{\ps@xdu@footer@text}%
  \def\@evenfoot{\ps@xdu@footer@text}%
}
```

其实可以直接写到 `\chapter` 的定义里面。

```
\ifxdu@bachelor\ifxdu@english
\renewcommand{\chaptermark}[1]{%
  \ifodd\c@page%
    \markboth{#1}{\xdu@etitle}%
  \else%
    \markboth{\xdu@etitle}{#1}%
  \fi}
\else
\renewcommand{\chaptermark}[1]{%
  \ifodd\c@page%
    \markboth{#1}{\xdu@ctitle}%
  \else%
    \markboth{\xdu@ctitle}{#1}%
  \fi}
\fi\else
\renewcommand{\chaptermark}[1]{%
  \ifodd\c@page%
    \markboth{#1}{\xdu@xidian@str\xdu@thesis@str}%
  \else%
    \markboth{\xdu@xidian@str\xdu@thesis@str}{#1}%
  \fi}
\fi
\renewcommand{\sectionmark}[1]{}
⟨/class⟩
```

2.4.5 段落

用于中文段落缩进和正文版式

```
⟨*class⟩
\newlength\xdu@CJK@twochars
\newcommand{\xdu@unicode}[2]{\char\numexpr#1*256+#2\relax}
\def\xdu@CJK@space{\xdu@unicode{48}{7}}
\def\CJKindent{%
```

```
  \settowidth\xdu@CJK@twochars{\xdu@CJK@space\xdu@CJK@space}%
  \parindent\xdu@CJK@twochars}
```

段落之间的竖直距离

```
\setlength{\parskip}{0pt \@plus0pt \@minus0pt}
```

调整默认列表环境间的距离，以符合中文习惯。

xdu@item@space

```
\def\xdu@item@space{%
  \let\itemize\compactitem
  \let\enditemize\endcompactitem
  \let\enumerate\compactenum
  \let\endenumerate\endcompactenum
  \let\description\compactdesc
  \let\enddescription\endcompactdesc}
⟨/class⟩
```

2.4.6 中文标题定义

```
⟨*config⟩
\ifxdu@english
\renewcommand{\bibname}{References}
\newcommand{\xdu@ackname}{Acknowledgments}
\renewcommand{\chaptername}{Chapter {\@arabic\c@chapter}}
\else
\renewcommand\contentsname{目录}
\renewcommand\listfigurename{插图索引}
\renewcommand\listtablename{表格索引}
\renewcommand\appendixname{附录}
\newcommand\listequationname{公式索引}
\newcommand\equationname{公式}
\renewcommand\bibname{参考文献}
\renewcommand\indexname{索引}
\renewcommand\figurename{图}
\renewcommand\tablename{表}
\def\xdu@CJKnumber#1{\ifcase#1{零}\or%
                     {一}\or{二}\or{三}\or{四}\or{五}\or%
                     {六}\or{七}\or{八}\or{九}\or{十}\or%
                     {十一}\or{十二}\or{十三}\or{十四}\or{十五}\or%
                     {十六}\or{十七}\or{十八}\or{十九}\or{二十}\fi}
\newcommand\CJKprepartname{第}
\newcommand\CJKpartname{部分}
```

```
\newcommand\CJKthepart{\CJKnumber{\@arabic\c@part}}
\newcommand\CJKprechaptername{第}
\newcommand\CJKchaptername{章}
\newcommand\CJKthechapter{\xdu@CJKnumber{\@arabic\c@chapter}}
\newcommand{\CJKthechaptername}[1]{%
            \CJKprechaptername\xdu@CJKnumber{\@arabic#1}\CJKchaptername}
\renewcommand{\chaptername}{\CJKprechaptername\CJKthechapter\CJKchaptername}
\newcommand{\xdu@ackname}{致谢}
\fi
\newcommand{\cabstractname}{摘要}
\newcommand{\eabstractname}{ABSTRACT}
\newcommand{\xdu@ckeywords@title}{关\hfill{} 键\hfill{} 词: }
\newcommand{\xdu@cthesistype@title}{论文类型: }
\newcommand{\xdu@ekeywords@title}{Keywords:}
\newcommand{\xdu@ethesistype@title}{Type of Dissertation:}
⟨/config⟩
```

2.4.7 章节标题

章标题与章名之间空一个半角空格，居中书写，单倍行距，段前空 4ex，段后空 3ex。

```
⟨*class⟩
\newlength{\xdu@chapter@before}
\newlength{\xdu@chapter@after}
\ifxdu@bachelor
  \setlength{\xdu@chapter@before}{15mm}
  \setlength{\xdu@chapter@after}{4ex}
\else
  \setlength{\xdu@chapter@before}{7ex}
  \setlength{\xdu@chapter@after}{5ex}
\fi
\renewcommand\chapter{%
  \xdu@clearpage%
  \if@mainmatter\thispagestyle{xdu@headings}%
  \else\thispagestyle{xdu@front}\fi%
  \phantomsection%
  \global\@topnum\z@%
  \secdef\@chapter\@schapter}
\def\@chapter[#1]#2{%
  \if@mainmatter\refstepcounter{chapter}\fi
  \ifxdu@english%
  \addcontentsline{toc}{chapter}{\xiaosi\bfseries\@chapapp~#1}%
  \chaptermark{\@chapapp~#1}%
  \else%
```

```
  \addcontentsline{toc}{chapter}{\xiaosi\song\bfseries\@chapapp\hskip1ex#1}%
  \chaptermark{\@chapapp\hskip2ex#1}%
  \fi%
  \@makechapterhead{#2}}
\def\@makechapterhead#1{\noindent%
  \parbox[b]{\textwidth}{\vskip\xdu@chapter@before}%
  {\centering \sanhao\song\bfseries%
    \ifnum \c@secnumdepth > \m@ne%
      \@chapapp\hskip1ex%
    \fi%
   \interlinepenalty\@M%
   #1\par\nobreak%
   \vskip\xdu@chapter@after%
   \nointerlineskip}}
\def\@schapter#1{%
  \addcontentsline{toc}{chapter}{\xiaosi\song\bfseries#1}%
  \chaptermark{#1}%
  \@makeschapterhead{#1}
  \@afterheading}
\def\@makeschapterhead#1{\noindent%
  \parbox[b]{\textwidth}{\vskip\xdu@chapter@before}%
  {\sanhao\song\bfseries\centering%
   \interlinepenalty\@M
   #1\par\nobreak%
   \vskip\xdu@chapter@after%
   \nointerlineskip}}
```

`\section` 一级节标题，例如：2.1 实验装置与实验方法节标题序号与标题名之间空一个汉字符（下同)。采用宋体四号（14pt）字书写。

```
\ifxdu@bachelor
\renewcommand\section{\par%
  \ifdim\prevdepth=-1000pt\dimen0=1ex%
  \else\dimen0=3ex\fi%
  \@startsection {section}{1}{\z@}%
  {\dimen0}%
  {2ex}%
  {\sihao[1.429]\filcenter}}
\else
\titleformat{\section}[block]{\xiaosan}{\thesection}{1ex}{}
\titlespacing{\section}{0pt}{2ex}{2ex}
\fi
```

`\subsection` 二级节标题，例如：2.1.1 实验方法节标题序号与标题名之间空一个汉字符（下同)。采用宋

体小四号（12pt）字居左书写。

```
\ifxdu@bachelor
\titleformat{\subsection}[block]{\xiaosi}{\thesubsection}{1ex}{}
\titlespacing{\subsection}{0em}{2ex}{2ex}
\else
\titleformat{\subsection}[block]{\sihao}{\thesubsection}{1ex}{}
\titlespacing{\subsection}{\xdu@CJK@twochars}{2ex}{2ex}
\fi
⟨/class⟩
```

2.4.8 目录格式

```
⟨*class⟩
\renewcommand{\tableofcontents}{%
  % \xdu@clearpage%
  % \phantomsection%
  % \@makeschapterhead{\contentsname}%
  % \chaptermark{\contentsname}%
  \chapter*{\contentsname}%
  \@starttoc{toc}}
\newlength\xdu@dot@space
\setlength\xdu@dot@space{3bp}
\titlecontents{chapter}[0pt]{}%
              {\contentslabel{0pt}}%
              {\hspace*{0pt}}%
              {\titlerule*[\xdu@dot@space]{.}\bfseries\contentspage}
\dottedcontents{section}[4em]{}{2.1em}{\xdu@dot@space}
\dottedcontents{subsection}[6.8em]{}{2.7em}{\xdu@dot@space}
⟨/class⟩
```

2.4.9 封面和封底

方便的定义封面的一些替换命令。

\xdu@define@term

```
⟨*class⟩
\def\xdu@define@term#1{
  \expandafter\gdef\csname #1\endcsname##1{%
    \expandafter\gdef\csname xdu@#1\endcsname{##1}}
  \csname #1\endcsname{}}
```

\subjectcode
\catalognumber
\classid
\studentid
\secretlevel
\ctitle
\cschool

```
\xdu@define@term{universitycode}
\xdu@define@term{catelognumber}
\xdu@define@term{classid}
\xdu@define@term{studentid}
\xdu@define@term{secretlevel}
\xdu@define@term{ctitle}
\xdu@define@term{etitle}
\xdu@define@term{cschool}
\xdu@define@term{cmajor}
\xdu@define@term{cfirstdiscipline}
\xdu@define@term{efirstdiscipline}
\xdu@define@term{cseconddiscipline}
\xdu@define@term{eseconddiscipline}
\xdu@define@term{cauthor}
\xdu@define@term{eauthor}
\xdu@define@term{cdegree}
\xdu@define@term{edegree}
\xdu@define@term{csupervisor}
\xdu@define@term{esupervisor}
\xdu@define@term{ccosupervisor}
\xdu@define@term{ecosupervisor}
\xdu@define@term{cdate}
\xdu@define@term{edate}
\xdu@define@term{cthesistype}
\xdu@define@term{ethesistype}
⟨/class⟩

⟨*config⟩
\def\xdu@universitycode@prefix{学校代码}
\def\xdu@catelognumber@prefix{分类号}
\def\xdu@classid@prefix{班级}
\def\xdu@studentid@prefix{学号}
\def\xdu@secretlevel@prefix{密级}
\def\xdu@ctitle@prefix{\ifxdu@bachelor{题目}\else{题 {\xiaowu(中、英文)} 目}\fi}
\def\xdu@cschool@prefix{学院}
\def\xdu@cmajor@prefix{专业}
\def\xdu@cauthor@prefix{\ifxdu@bachelor{学生姓名}\else{作者姓名}\fi}
\def\xdu@csupervisor@prefix{\ifxdu@bachelor{导师姓名}%
  \else\ifxdu@masterpro{学校导师姓名、职称}\else{导师姓名、职称}\fi\fi}
\def\xdu@ccosupervisor@prefix{\ifxdu@masterpro{企业导师姓名、职称}\else\relax\fi}
\def\xdu@cfirstdiscipline@prefix{\ifxdu@masterpro{领\hskip2em{} 域}\else{一级学科}\fi}
\def\xdu@cseconddiscipline@prefix{二级学科}
\def\xdu@cdegree@prefix{\ifxdu@masterpro{学位类别}\else{申请学位类别}\fi}
```

```
\def\xdu@cdate@titlepage@prefix{提交学位论文日期}
\def\xdu@cdate@prefix{提交日期}
\def\xdu@thesis@str{%
  \ifxdu@bachelor{本科毕业设计论文}\else%
    \ifxdu@master{硕士学位论文}\else%
      \ifxdu@doctor{博士学位论文}\else%
        \ifxdu@masterpro{硕士学位论文}\fi%
  \fi\fi\fi}
⟨/config⟩

⟨*class⟩
\def\xdu@urule#1#2{\hskip2pt\underline{\hb@xt@#1{\hss#2\hss}}\hskip3pt}
\def\xdu@put@prefix#1#2{\makebox[#1][s]{#2}}
\def\xdu@titlepage{%
  \ifxdu@bachelor%
    \xdu@titlepage@bachelor%
  \else%
    \xdu@titlepage@graduate%
  \fi}
\newcommand{\xdu@titlepage@bachelor}{
  \parbox[b]{0.9\linewidth}{%
    \xiaosi[1.5]\song\bf\ignorespaces\flushright%
    \xdu@put@prefix{3em}{\xdu@classid@prefix}\enskip%
    \xdu@urule{32mm}{\xdu@classid}\par%
    \xdu@put@prefix{3em}{\xdu@studentid@prefix}\enskip%
    \xdu@urule{32mm}{\xdu@studentid}}
  \begin{center}
    \ifxdu@print\vspace{132mm}\else\vspace{18mm}
    \includegraphics[width=77mm]{xdubadge}\par
    \vspace{15mm}
    \parbox[t]{\linewidth}{\chuhao\hei\centering\xdu@thesis@str}\par
    \vspace{15mm}
    \includegraphics[width=44mm]{xdlogo}\par
    \vspace{18mm}\fi
    \begin{minipage}{122mm}
      \flushleft\xiaosan[2.5]\song%
      \xdu@put@prefix{25mm}{\bf\xdu@ctitle@prefix}
      \xdu@urule{95mm}{}\par
      \xdu@put@prefix{25mm}{}\xdu@urule{95mm}{}\par
      \xdu@put@prefix{25mm}{\bf\xdu@cschool@prefix}
      \xdu@urule{95mm}{\xdu@cschool}\par
      \xdu@put@prefix{25mm}{\bf\xdu@cmajor@prefix}
      \xdu@urule{95mm}{\xdu@cmajor}\par
```

```
      \xdu@put@prefix{25mm}{\bf\xdu@cauthor@prefix}
      \xdu@urule{95mm}{\xdu@cauthor}\par
      \xdu@put@prefix{25mm}{\bf\xdu@csupervisor@prefix}
      \xdu@urule{95mm}{\xdu@csupervisor}
    \end{minipage}
    \vskip-87mm\hskip25mm
    \begin{minipage}{85mm}
      \xiaosan[2.5]\song\centering\ignorespaces\xdu@ctitle
    \end{minipage}
  \end{center}
}
\newcommand{\xdu@titlepage@graduate}{
  \ifxdu@print%
    \parbox{\textwidth}{\vskip143mm}
  \else%
    \parbox{\textwidth}{\vskip35mm}
    \begin{center}
      \includegraphics[width=77mm]{xdubadge-gr}\par
      \vskip15mm
      \parbox[t]{\linewidth}{\chuhao\hei\centering\xdu@thesis@str}\par
      \vskip15mm
      \includegraphics[width=44mm]{xdlogo}\par
    \end{center}
  \fi
  \vskip44mm\noindent
  \xdu@put@prefix{5em}{\heiti\sihao\bfseries\xdu@cauthor@prefix}
  \xdu@urule{12em}{\song\sihao\bfseries\xdu@cauthor}
  \ifxdu@masterpro
  \xdu@put@prefix{10.5em}{\heiti\sihao\bfseries\xdu@csupervisor@prefix}
  \xdu@urule{6.5em}{\song\sihao\bfseries\xdu@csupervisor}\par
  \else
  \xdu@put@prefix{8em}{\heiti\sihao\bfseries\xdu@csupervisor@prefix}
  \xdu@urule{9em}{\song\sihao\bfseries\xdu@csupervisor}\par
  \fi
  \vskip3ex\noindent
  \xdu@put@prefix{5em}{\heiti\sihao\bfseries\xdu@cfirstdiscipline@prefix}
  \xdu@urule{12em}{\song\sihao\bfseries\xdu@cfirstdiscipline}
  \ifxdu@masterpro
  \xdu@put@prefix{10.5em}{\heiti\sihao\bfseries\xdu@ccosupervisor@prefix}
  \xdu@urule{6.5em}{\song\sihao\bfseries\xdu@ccosupervisor}\par
  \else
  \xdu@put@prefix{5em}{\heiti\sihao\bfseries\xdu@cseconddiscipline@prefix}
  \xdu@urule{12em}{\song\sihao\bfseries\xdu@cseconddiscipline}\par
```

```
  \fi
  \vskip3ex\noindent
  \xdu@put@prefix{7em}{\heiti\sihao\bfseries\xdu@cdegree@prefix}
  \xdu@urule{10em}{\song\sihao\bfseries\xdu@cdegree}
  \xdu@put@prefix{9em}{\heiti\sihao\bfseries\xdu@cdate@titlepage@prefix}
  \xdu@urule{8em}{\song\sihao\bfseries\xdu@cdate}\par
  \vskip-79mm\noindent
  \begin{minipage}{\textwidth}
    \centering\song\erhao\bfseries\xdu@ctitle\par
  \end{minipage}
}
\newcommand{\xdu@cheadpage@bachelor}{}
\newcommand{\xdu@eheadpage@bachelor}{}
\newcommand{\xdu@cheadpage@graduate}{
  \noindent
  \parbox[b]{\textwidth}{
    \vskip4ex
    \song\wuhao\bfseries\ignorespaces\centering
    \xdu@put@prefix{4em}{\xdu@universitycode@prefix}%
    \xdu@urule{8em}{\xdu@universitycode}%
    \hfill{}%
    \xdu@put@prefix{4em}{\xdu@studentid@prefix}%
    \xdu@urule{8em}{\xdu@studentid}
    \par\vskip1ex
    \xdu@put@prefix{4em}{\xdu@catelognumber@prefix}%
    \xdu@urule{8em}{\xdu@catelognumber}%
    \hfill
    \xdu@put@prefix{4em}{\xdu@secretlevel@prefix}%
    \xdu@urule{8em}{\xdu@secretlevel}}
  \vskip17mm\noindent
  \begin{center}
    \begingroup\hei\bfseries\yihao\xdu@xidian@str\par\endgroup
    \vskip17mm
    \begingroup\song\erhao\bfseries\xdu@thesis@str\par\endgroup
  \end{center}
  \vskip65mm
  \begingroup\song\sihao[2]
  \newlength\xdu@headpage@hangpos
  \setlength\xdu@headpage@hangpos{0.5\textwidth-4em}
  \noindent\hangindent\xdu@headpage@hangpos\\
  \begingroup\bfseries\xdu@cauthor@prefix\endgroup{: }\xdu@cauthor\\
  \begingroup\bfseries\xdu@cfirstdiscipline@prefix\endgroup{: }
  \xdu@cfirstdiscipline\\
```

```
  \ifxdu@masterpro
  \begingroup\bfseries\xdu@cdegree@prefix\endgroup{: }\xdu@cdegree\\
  \begingroup\bfseries\xdu@csupervisor@prefix\endgroup{: }\xdu@csupervisor\\
  \begingroup\bfseries\xdu@ccosupervisor@prefix\endgroup{: }\xdu@ccosupervisor\\
  \else
  \begingroup\bfseries\xdu@cseconddiscipline@prefix\endgroup{: }
  \xdu@cseconddiscipline\\
  \begingroup\bfseries\xdu@cdegree@prefix\endgroup{: }\xdu@cdegree\\
  \begingroup\bfseries\xdu@csupervisor@prefix\endgroup{: }\xdu@csupervisor\\
  \fi
  \begingroup\bfseries\xdu@cdate@prefix\endgroup{: }\xdu@cdate\par
  \endgroup
  \vskip-110mm\noindent
  \begin{minipage}{\textwidth}
    \centering\song\erhao\bfseries\xdu@ctitle\par
  \end{minipage}
}
\newcommand{\xdu@eheadpage@graduate}{
  \noindent\parbox{\textwidth}{%
    \ifxdu@doctor\vskip155mm\else\vskip178mm\fi}
  \noindent
  \begin{minipage}{1.0\linewidth}
    \noindent\centering\sanhao[1.57]
    A \ifxdu@doctor dissertation \else thesis \fi submitted to\\
    XIDIAN UNIVERSITY\\
    in partial fulfillment of the requirements\\
    for the degree of \xdu@edegree%
    \ifxdu@doctor\relax\else\\in \xdu@efirstdiscipline\fi
  \end{minipage}
  \ifxdu@doctor\vskip27mm\else\vskip18mm\fi
  \begin{minipage}{1.0\linewidth}
    \noindent\centering\sanhao[1.57]
    By\\
    \xdu@eauthor\\
    \ifxdu@doctor(\xdu@efirstdiscipline)\\\fi
    Supervisor: \xdu@esupervisor%
    \ifxdu@masterpro\hskip1em\xdu@ecosupervisor\fi\\
    \xdu@edate
  \end{minipage}
  \vskip-225mm\noindent
  \begin{minipage}{\textwidth}
    \noindent\centering\erhao\bfseries\xdu@etitle\par
  \end{minipage}
```

```
}
\ifxdu@bachelor
  \let\xdu@cheadpage\xdu@cheadpage@bachelor
  \let\xdu@eheadpage\xdu@eheadpage@bachelor
\else
  \let\xdu@cheadpage\xdu@cheadpage@graduate
  \let\xdu@eheadpage\xdu@eheadpage@graduate
\fi
⟨/class⟩

⟨*config⟩
\ifxdu@english
\def\xdu@authorbio@title{Author Biography}
\else
\def\xdu@authorbio@title{作者简介}
\fi
⟨/config⟩
```

\xdu@make@authorbio

```
⟨*class⟩
\long\@xp\def\@xp\collect@@body\@xp#\@xp1\@xp\end\@xp#\@xp2\@xp{%
  \collect@@body{#1}\end{#2}}
\long\@xp\def\@xp\push@begins\@xp#\@xp1\@xp\begin\@xp#\@xp2\@xp{%
  \push@begins{#1}\begin{#2}}
\long\@xp\def\@xp\addto@envbody\@xp#\@xp1\@xp{%
  \addto@envbody{#1}}
\newcommand{\xdu@@cauthorbio}[1]{\long\gdef\xdu@cauthorbio{#1}}
\newenvironment{cauthorbio}[1]{\long\gdef\xdu@bio@photo{#1}%
  \collect@body\xdu@@cauthorbio}{}
\newcommand{\xdu@@eauthorbio}[1]{\long\gdef\xdu@eauthorbio{#1}}
\newenvironment{eauthorbio}{\collect@body\xdu@@eauthorbio}{}
% 照片区域大小 IEEEtran 格式
\def\xdu@bio@photowidth{1.00in}   % width of the biography photo area
\def\xdu@bio@photodepth{1.25in}   % depth (height) of the biography photo area
% 为放置照片留出的空白区域大小
\def\xdu@bio@hangwidth{1.15in}    % width cleared for the biography photo area
\def\xdu@bio@hangdepth{1.25in}    % depth cleared for the biography photo area
\newdimen\@xdtmpdimenA
\newdimen\@xdtmpdimenB
\newcount\@xdtmpcountA
\def\xdu@make@authorbio{%
  \begin{center}
    \ifxdu@english%
```

```
      \sanhao[2]\bfseries{\xdu@authorbio@title}
    \else
      \sanhao[2]\hei{\xdu@authorbio@title}
    \fi
  \end{center}
  \vskip2ex%
  \def\xdu@temp@photobox{\mbox{%
      \begin{minipage}[b][\xdu@bio@photodepth][c]{\xdu@bio@photowidth}%
        \centering \xdu@bio@photo%
      \end{minipage}}}
  \settoheight{\@xdtmpdimenA}{\xdu@temp@photobox}
  \@xdtmpdimenB=\xdu@bio@hangdepth%
  % countA has the hang depth
  \@xdtmpcountA=\@xdtmpdimenB
  % calculates lines needed to produce the hang depth
  \divide\@xdtmpcountA by \baselineskip
  \advance\@xdtmpcountA by 1% ensure we overestimate
  % reference the top of the photo area to the top of a capital T
  \settoheight{\@xdtmpdimenB}{\mbox{T}}%
  \noindent\makebox[0pt][l]{\hspace{-\xdu@bio@hangwidth}%
    \raisebox{\@xdtmpdimenB}[0pt][0pt]{%
      \raisebox{-\xdu@bio@photodepth}[0pt][0pt]{\xdu@temp@photobox}}}%
  \hangindent\xdu@bio@hangwidth%
  \hangafter-\@xdtmpcountA%
  \ifxdu@english%
    \xdu@eauthorbio\par%
  \else
    \indent\xdu@cauthorbio\par%
  \fi
 \ifnum \prevgraf <\@xdtmpcountA\relax% detect when the biography text is shorter than the photo
  \advance\@xdtmpcountA by -\prevgraf% calculate how many lines we need to pad
 \advance\@xdtmpcountA by -1\relax% we compensate for the fact that we indented an extra line
  \@xdtmpdimenA=\baselineskip% calculate the length of the padding
  \multiply\@xdtmpdimenA by \@xdtmpcountA%
  \noindent\rule{0pt}{\@xdtmpdimenA}% insert an invisible support strut
  \fi%
  \ifxdu@english\relax\else\xdu@eauthorbio\par\fi%
}
⟨/class⟩
```

封面中论文诚信声明部分。

<*config> </config>

\xdu@make@declaration

```
678 ⟨*class⟩
679 \def\xdu@make@declaration{%
680   \song\xiaosi[1.5]
681   {\centering\bfseries\ifxdu@bachelor\sanhao\else\sihao[1.6]\fi%
682     \xdu@xidian@str\par\xdu@declaration@title\par}
683   \vskip4ex\xdu@declaration@str\vskip3ex
684   \xdu@put@prefix{5em}{\xdu@author@presig}\underline{\hskip30mm}\hskip25mm
685   \ifxdu@bachelor
686     \xdu@put@prefix{2em}{\xdu@date@presig}\underline{\hskip30mm}\par
687   \else
688     \xdu@put@prefix{5em}{\xdu@date@presig}\underline{\hskip30mm}\par
689   \fi
690   \vskip16ex
691   \ifxdu@bachelor\relax\else
692   {\centering\bfseries\ifxdu@bachelor\sanhao\else\sihao[1.6]\fi%
693     \xdu@xidian@str\par\xdu@authorization@title\par}
694   \vskip4ex\xdu@authorization@str\par\vskip3ex
695   \xdu@put@prefix{5em}{\xdu@author@presig}\underline{\hskip30mm}\hskip25mm
696   \xdu@put@prefix{5em}{\xdu@supervisor@presig}\underline{\hskip30mm}\par
697   \vskip3ex
698   \xdu@put@prefix{5em}{\xdu@date@presig}\underline{\hskip30mm}\hskip25mm
699   \xdu@put@prefix{5em}{\xdu@date@presig}\underline{\hskip30mm}\par
700   \fi
701 }
```

\makecover

```
702 \newcommand{\makecover}{
703   \begin{titlepage}
704     \xdu@titlepage
705   \end{titlepage}
706   \xdu@clearpage
707   \thispagestyle{xdu@empty}
708   \xdu@cheadpage
709   \xdu@clearpage
710   \thispagestyle{xdu@empty}
711   \xdu@eheadpage
712   \xdu@clearpage
713   \addtolength{\topmargin}{15pt}
714   \thispagestyle{xdu@empty}
715   \xdu@make@declaration
716   \xdu@clearpage
```

```
  \addtolength{\topmargin}{-15pt}
  \setcounter{page}{1}
  \xdu@makeabstract
}
⟨/class⟩
```

2.4.10 数学相关

```
⟨*class⟩
\renewcommand\theequation{\ifnum \c@chapter>\z@ \thechapter%
                            -\fi\@arabic\c@equation}
⟨/class⟩
```

2.4.11 浮动对象以及表格

设置浮动对象和文字之间的距离

```
⟨*class⟩
\let\old@tabular\@tabular
\def\xdu@tabular{\wuhao\old@tabular}
\ifxdu@english
\DeclareCaptionLabelFormat{xdu@cap}{{\wuhao#1~\rmfamily#2}}
\else
\DeclareCaptionLabelFormat{xdu@cap}{{\wuhao#1\rmfamily#2}}
\fi
\DeclareCaptionLabelSeparator{xdu@sep}{\hspace{1em}}
\DeclareCaptionFont{xdu@capfont}{\wuhao}
\captionsetup{labelformat=xdu@cap,
              labelsep=xdu@sep,
              font=xdu@capfont,
              justification=centering}
\captionsetup[table]{position=top, belowskip={1pc-\intextsep}, aboveskip=1pc}
\captionsetup[figure]{position=bottom, belowskip={1pc-\intextsep}, aboveskip=1pc}
\captionsetup[subfloat]{font=xdu@capfont,captionskip=6bp,%
                        nearskip=6bp,farskip=0bp,topadjust=0bp}
\renewenvironment{table}{%
  \renewcommand* {\@floatboxreset}{%
    \reset@font\@setminipage}
  \dawu\@float{table}%
}{%
  \end@float\normalsize
}
⟨/class⟩
```

2.4.12 摘要格式

\xdu@makeabstract 中文摘要部分的标题为” 摘要”，用宋体三号字加精力。

```
⟨*class⟩
\newcommand{\xdu@@cabstract}[1]{\long\gdef\xdu@cabstract{#1}}
\newenvironment{cabstract}{\collect@body\xdu@@cabstract}{}
\newcommand{\xdu@@eabstract}[1]{\long\gdef\xdu@eabstract{#1}}
\newenvironment{eabstract}{\collect@body\xdu@@eabstract}{}
\newcommand{\xdu@@ckeywords}[1]{\long\gdef\xdu@ckeywords{#1}}
\newenvironment{ckeywords}{\collect@body\xdu@@ckeywords}{}
\newcommand{\xdu@@ekeywords}[1]{\long\gdef\xdu@ekeywords{#1}}
\newenvironment{ekeywords}{\collect@body\xdu@@ekeywords}{}
\newcommand{\xdu@makeabstract}{%
  \xdu@mkabstracttrue%
% 摘要内容用小四号字书写，两端对齐，汉字用宋体，外文字用 Times New Roman 体，标点
% 符号一律用中文输入状态下的标点符号
  \expandafter \ifx \csname xdu@cabstract\endcsname%
  \relax\else%
    \chapter*{\cabstractname}%
    \normalsize\par\xdu@cabstract\vskip12bp%
% 本科关键词为悬挂缩进
    \ifxdu@bachelor%
      \setbox0=\hbox{\hei\xdu@ckeywords@title\hspace{1em}}%
      \noindent\hangindent\wd0\hangafter1
      \expandafter \ifx \csname xdu@ckeywords\endcsname%
        \relax\box0{\hei}%
      \else\box0{\hei\xdu@ckeywords}\fi%
    \else%% 硕士、博士论文格式相同
      \begingroup\song\wuhao
      \setbox0=\hbox{\bfseries\xdu@cthesistype@title}%
      \setbox1=\hbox to \wd0 {\bfseries\xdu@ckeywords@title}%
      \noindent\hangindent\wd0\hangafter1
      \expandafter \ifx \csname xdu@ckeywords\endcsname%
        \relax\box1{\bfseries}%
      \else\box1{\xdu@ckeywords}\fi%
      \par\noindent\box0{\bfseries}\xdu@cthesistype%
      \endgroup%
    \fi%
  \fi%
% 英文摘要部分的标题为“ABSTRACT”，用 Times New Roman 体三号字。
  \expandafter \ifx \csname xdu@eabstract\endcsname \relax%
  \else%
    \chapter*{\bfseries\eabstractname}%
```

```
792     \normalsize\par\xdu@eabstract\vskip12bp%
793 % 关键词为悬挂缩进（本科、硕士、博士论文格式相同）
794     \begingroup\ifxdu@bachelor\normalsize\else\wuhao\fi
795     \setbox0=\hbox{\bfseries\xdu@ekeywords@title\hskip1em}%
796     \noindent\hangindent\wd0\hangafter1%
797     \expandafter \ifx \csname xdu@ekeywords\endcsname%
798       \relax\box0{\ifxdu@bachelor\bfseries\fi}%
799     \else\box0{\ifxdu@bachelor\bfseries\fi\xdu@ekeywords}\fi%
800     \ifxdu@bachelor\relax\else%
801     \par\noindent {\bfseries\xdu@ethesistype@title}%
802     \hskip1em\xdu@ethesistype
803     \endgroup
804     \fi%
805   \fi
806   \xdu@mkabstractfalse%
807 }
808 ⟨/class⟩
```

2.4.13 插图索引/表格索引

listoffigures
listoftables

```
809 ⟨*class⟩
810 \def\@tocrmarg{2em}
811 \def\@dotsep{1} % 目录点间的距离
812 \def\@dottedtocline#1#2#3#4#5{%
813   \ifnum #1>\c@tocdepth \else
814     \vskip \z@ \@plus.2\p@
815     {\leftskip #2\relax \rightskip \@tocrmarg \parfillskip -\rightskip
816     \parindent #2\relax\@afterindenttrue
817     \interlinepenalty\@M
818     \leavevmode
819     \@tempdima #3\relax
820     \advance\leftskip \@tempdima \null\nobreak\hskip -\leftskip
821     {#4}\nobreak\hskip2pt
822     \leaders\hbox{$\m@th\mkern \@dotsep mu\hbox{.}\mkern \@dotsep mu$}\hfill
823     \nobreak{\normalfont \normalcolor #5}%
824     \par}%
825   \fi}
826 \def\xdu@starttoc#1{% #1: float type, prepend type name in \listof*** entry.
827   \let\oldnumberline\numberline
828   \def\numberline##1{\oldnumberline{\csname #1name\endcsname%
829       \ifxdu@english~\else\hskip.2em\fi ##1}}
```

```
  \@starttoc{\csname ext@#1\endcsname}
  \let\numberline\oldnumberline}
\def\xdu@listof#1{% #1: float type
  \@ifstar
    {\chapter*[]{\csname list#1name\endcsname}\xdu@starttoc{#1}}
    {\chapter*{\csname list#1name\endcsname}\xdu@starttoc{#1}}}
\renewcommand\listoffigures{\xdu@listof{figure}}
\ifxdu@english
\renewcommand*\l@figure{\@dottedtocline{1}{0em}{5em}}
\else
\renewcommand*\l@figure{\@dottedtocline{1}{0em}{3.2em}}
\fi
\renewcommand\listoftables{\xdu@listof{table}}
\let\l@table\l@figure
⟨class⟩
```

2.4.14 参考文献

\onlinecite 正文引用模式。依赖于 natbib 宏包，修改其中的命令。

```
⟨*class⟩
\bibpunct{[}{]}{,}{s}{}{,}
\renewcommand\NAT@citesuper[3]{\ifNAT@swa
\unskip\kern\p@\textsuperscript{\NAT@@open #1\NAT@@close}%
   \if*#3*\else\ (#3)\fi\else #1\fi\endgroup}
\DeclareRobustCommand\onlinecite{\@onlinecite}
\def\@onlinecite#1{\begingroup\let\@cite\NAT@citenum\citep{#1}\endgroup}
```

参考文献的正文部分用五号字。行距采用固定值 16 磅，段前空 3 磅，段后空 0 磅。

thebibliography 修改默认的 thebibliography 环境，增加一些调整代码。

```
\renewenvironment{thebibliography}[1]{%
  \chapter*{\bibname}%
  \wuhao[1.5]%
  \list{\@biblabel{\@arabic\c@enumiv}}%
  {\renewcommand{\makelabel}[1]{##1\hfill}
    \settowidth\labelwidth{1.1cm}
    \setlength{\labelsep}{0.6em}
    \setlength{\itemindent}{0pt}
    \setlength{\leftmargin}{\labelwidth+\labelsep}
    \addtolength{\itemsep}{-0.7em}
    \usecounter{enumiv}%
    \let\p@enumiv\@empty
```

```
    \renewcommand\theenumiv{\@arabic\c@enumiv}}%
  \sloppy
  \clubpenalty4000
  \@clubpenalty \clubpenalty
  \widowpenalty4000%
  \interlinepenalty4000%
  \sfcode`\.\@m}
{\def\@noitemerr
  {\@latex@warning{Empty `thebibliography' environment}}%
  \endlist}
⟨/class⟩
```

2.4.15 致谢

```
⟨*class⟩
\ifxdu@english
\newenvironment{acknowledgments}{\chapter*{\bfseries\xdu@ackname}}{}
\else
\newenvironment{acknowledgments}{\chapter*{\xdu@ackname}}{}
\fi
⟨/class⟩
```

2.4.16 附录

```
⟨*class⟩
\let\xdu@appendix\appendix
\renewenvironment{appendix}{
  \xdu@appendix
  \gdef\@chapapp{\appendixname~\thechapter}
}{}
⟨/class⟩
⟨class⟩\AtEndOfClass{\input{xduthesis.cfg}}%
```

把 CJK 环境放到合适的位置，以免导致其它宏包的命令位于 CJK 环境中而出现问题 (比如 natbib 的 “Multiple-defined labels”，同时自动开启 CJK。

```
⟨*class⟩
\AtBeginDocument{\CJKindent}
\AtEndOfClass{\sloppy\xdu@item@space}
⟨/class⟩
```

3 修改记录

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