

HiThesis: 哈尔滨工业大学学位论文模板

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摘要

该宏包为哈尔滨工业大学一校三区本、硕、博中英文毕业论文、开题和中期报告以及博后出站报告模板。

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1. 本模板的发布遵守 L^AT_EX Project Public License, 使用前请认真阅读协议内容。
2. 本模板为作者根据哈尔滨工业大学教务处颁发的《哈尔滨工业大学本科生毕业论文撰写规范》, 哈尔滨工业大学研究生院颁发的《哈尔滨工业大学研究生学位论文撰写规范》编写而成, 为方便哈尔滨工业大学学生撰写毕业论文使用。
3. 哈尔滨工业大学教务处和研究生院只提供毕业论文写作指南, 不提供官方模板 (包括 MS word), 也不会授权第三方模板为官方模板, 所以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 L^AT_EX 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。

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1 模板介绍

hiThesis (Harbin Institute of Technology L^AT_EX Thesis Template) 是为了帮助哈尔滨工业大学毕业生撰写毕业论文而编写的 L^AT_EX 论文模板。

本文档将尽量完整的介绍模板的使用方法，如有不清楚之处可以参考示例文档或者根据第 3.1 节说明提问，有兴趣者都可以参与完善此手册，也非常欢迎对代码的贡献。

文档记号的说明

本文采用不同字体表示不同内容。无衬线字体表示宏包名称，如 x_eCJK 宏包、hithesis-book 文档类等；等宽字体表示代码或文件名，如 \hitsetup 命令、abstract 环境、T_EX 文档 thesis.tex 等；带有尖括号的楷体（或西文斜体）表示命令参数，如〈模板选项〉、〈English title〉等。在使用时，参数两侧的尖括号不必输入。示例代码进行了语法高亮处理，以方便阅读。在用户手册中，带有紫色侧边线的为 L^AT_EX 代码，而带有红色侧边线的则为命令行代码，请注意区分。

注意：模板的作用在于减少论文写作过程中格式调整的时间。前提是遵守模板的用法，否则即便使用了 hiThesis 也难以保证输出的论文符合学校规范。

2 安装

目前还没有将最新版的 hiThesis 上传到 CTAN，所以不要使用 texdoc 来打开文档。

可以在相关 QQ 群内下载编译好的模板文件和文档，但是文档还没有更新完毕，有一些内容是过时的，有一些更新的功能没有添加到文档中，等写好文档了就传 CTAN，又挖了个坑。

如果要使用开发版，需自己下载，hiThesis 相关链接是

- github: <https://github.com/hithesis/hithesis>
- github dev 分支: <https://github.com/hithesis/hithesis/tree/dev>

其中 dev 分支中的为最新开发版，有可能有还没解决的 bug（目前来看好像不太可能），如果没有额外描述，请尽量使用 dev 分支的模板

2.1 模板的组成

下表列出了 hiThesis 的主要文件及其功能介绍：

文件（夹）	功能描述
hithesis.ins	DocStrip 驱动文件（开发用）
hithesis.dtx	DocStrip 源文件（开发用）
dtx-style.sty	DocStrip 样式文件（开发用）
hithesisbook.cls	模板类文件
hithesisbook.cfg	模板配置文件
hithesisart.cls	开题和中期报告模板类文件
hithesisart.cfg	开题和中期报告模板配置文件
hithesisartplus.cls	深圳校区博士中期报告模板类文件

文件 (夹)	功能描述
hithesis.bst	参考文献样式文件
hitszthesis.bst	深圳校区参考文献样式文件
hithesis.ist	索引样式文件
reference.bib	文档参考文献
example/	模板示例文件夹
hitart/	开题和中期报告文件夹
reports/	开题和中期报告文件夹
reportplus/	深圳校区博士中期报告文件夹
hitbook/	毕业论文文件夹
chinese/	中文毕业论文文件夹
english/	英文毕业论文文件夹
hithesis.sty	为示例文档加载其它宏包
Makefile	Makefile
latexmkrc	latexmk 配置文件
README.md	Readme
hithesis.pdf	用户手册 (本文档)

几点说明:

- 所有的 `hithesis*.cls`, `hithesis*.cfg` 与 `*.sty` 都可由 `hithesis.ins` 和 `hithesis.dtx` 生成。
- 使用前阅读文档: `hithesis.pdf`。
- `hithesis.ins` 只在当前目录生成运行时文件;如需单独使用示例,再执行 `make examples` (或 `make_release_pkg.sh`) 把运行时文件复制进 `examples/` 下对应的 `chinese/`, `english/`, `reports/` 与 `reportplus/` 文件夹。

2.2 生成模板

提示: 若使用 $\text{\TeX}$ 发行版自带的 *hiThesis* 或 *Github/OSChina* 上发布的版本,可忽略此节,直接阅读第 2.3 节。若下载 CTAN 包或者 *Github/OSChina* 开发代码,请阅读本节了解生成模板文件的步骤。

模板解压缩后生成文件夹 `hithesis-vX.Y.Z` 或 `hithesis-vX.YZ`¹, 其中包括: 模板源文件 (`hithesis.ins` 和 `hithesis.dtx`), 参考文献样式 `hithesis.bst`, 示例文档 (`main.tex`, `shuji.tex`, `hithesis.sty`², `data/` 和 `figures/` 和 `ref/`)。在使用之前需要先生成模板文件和配置文件 (具体命令细节请参考 `README.md` 和 `Makefile`):

```
$ cd hithesis-vX.Y.Z
# 生成全部运行时文件 (.cls/.cfg/.sty/.bst/.ist/.eps) 到当前目录
$ latex hithesis.ins
# 把运行时文件复制进 examples/ (这样各示例目录可单独编译)
$ make examples
```

¹`vX.Y.Z` 与 `vX.YZ` 为版本号。

²可能用到的包以及一些命令定义都放在这里, 以免 `hithesisbook.cls` 过分臃肿。

```
# 下面的命令用来生成用户手册，可以不执行
$ xelatex hithesis.dtx
$ makeindex -s gind.ist -o hithesis.ind hithesis.idx
$ makeindex -s gglo.ist -o hithesis.gls hithesis.glo
$ xelatex hithesis.dtx
$ xelatex hithesis.dtx % 生成说明文档 hithesis.pdf
```

开发者和维护者还可以用 l3build 统一管理构建与发布：

```
$ l3build unpack      # 运行 hithesis.ins, 解包到 build/unpacked
$ l3build doc         # 用 XeLaTeX 编译用户手册 hithesis.pdf
$ l3build ctan        # 生成 CTAN 归档 hithesis-ctan.zip
$ l3build upload      # 校验 / 上传到 CTAN
```

2.3 生成论文

本节介绍几种常见的生成论文的方法。用户可根据自己的情况选择。

2.3.1 Xe_{La}TeX

很多用户对 L_ATeX 命令执行的次数不太清楚。一个基本的原则是多次运行 L_ATeX 命令直至不再出现警告。下面给出生成示例文档的详细过程（# 开头的行为注释），首先来看推荐的 xelatex 方式：

```
# 1. 发现里面的引用关系，文件后缀 .tex 可以省略
$ xelatex main

# 2. 编译参考文件源文件，生成 bbl 文件
$ bibtex main

# 3. 下面解决引用
$ xelatex main
$ xelatex main # 如果不需要生成索引此时生成完整的 pdf 文件
$ splitindex main -- -s hithesis.ist # 自动生成索引
$ xelatex main.tex
```

2.3.2 latexmk

latexmk 命令支持全自动生成 L_ATeX 编写的文档，并且支持使用不同的工具链来进行生成，它会自动运行多次工具直到交叉引用都被解决。下面给出了一个用 latexmk 调用 xelatex 生成最终文档的示例：

```
# 一句话就够了！
$ latexmk -xelatex main
```

2.3.3 make

提示：若要使用 make 编译，需自行下载模板。因为 T_EX 发行版中的 Makefile 不在当前目录。

上面的方法虽然不复杂，但是每次都输入还是非常罗嗦，所以 `hiThesis` 提供了一个 `Makefile`:

```
$ make clean
$ make cls      # 生成全部运行时文件 (.cls/.cfg/.sty/.bst/.ist/.eps)
$ make examples # 把运行时文件复制进 examples/
$ make doc      # 生成说明文档 hithesis.pdf
$ make thesis   # 生成示例文档 main.pdf
```

HiThesis 的 Makefile 默认用 latexmk 调用 xelatex 编译，此外还支持直接用 xelatex 编译。如有需要可修改 Makefile 开头的参数或通过命令行传递参数（请参看 README.md），进一步还可以修改 latexmkrc 进行定制。

2.4 升级

hiThesis 升级非常简单，可以通过 TeX 发行版的包管理工具自动更新发行版，也可以下载最新的开发版，将 `hithesis.ins`，`hithesis.dtx` 拷贝至工作目录覆盖相应的文件，然后运行：

\$ latex hithesis.ins

生成新的类文件和配置文件即可。也可以直接拷贝 `hithesisbook.cls`, `hithesisbook.cfg` 和 `hithesis.lst`, 免去上面命令的执行。

3 使用说明

本手册假定用户已经能处理一般的 $\text{\LaTeX}$ 文档，并对 $\text{\BibTeX}$ 有一定了解。如果从来没有接触过 $\text{\TeX}$ 和 $\text{\LaTeX}$ ，建议先学习相关的基础知识。

3.1 关于提问

按照优先级推荐提问的位置如下（三个 QQ 群不分先后）：

- **Github Issues**
- hithesis 讨论区: 259959600 (人满)
- 窝工山 hithesis 派: 851792460 (人满)
- HiThesis 分盟: 704864357

3.2 示例文件

模板核心文件有三个：`hithesisbook.cls`、`hithesisbook.cfg` 和 `hithesis.bst`，但是如果用户没有示例文档，会发现很难下手。所以推荐新用户从模板自带的示例文档入手，里面包括了论文写作用到的所有命令及其使用方法，只需要用自己的内容进行相应替换就可以。对于不清楚的命令可以查阅本手册。下面的例子描述了模板中章节的组织形式，来自于示例文档，具体内容可以参考模板附带的 `main.tex`。

```
% !Mode:: "TeX:UTF-8"  
%  
%  
%
```

```

%      / \      /      CONGRATULATIONS!
%      / /      /      SPRING IS IN THE AIR!
%      \ \      /
%      '\ \ / '      _{ ' }_
%      / /      hithesis v3      { ` . ! . ` }
%      / /      ',_ / Y \_, '
%      / / ,      dustincys      { _ , _ }
%      / \ / / \ \      Email: yanshuoc@gmail.com      /
%      / / / / / /      https://yanshuo.site      (\ / /)
%      / / / / / /      https://github.com/dustincys/hithesis      / //
%      \ \ / / / /      https://github.com/dustincys/hithesis      / //
%      ` \ \ / / ` \ \ \ . / \ \ / / \ \ . / \ \ / / \ \ / / /
%      ~~~~~~
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\documentclass[fontset=fandol,type=master,campus=shenzhen,language=english]{hithesisbook}
% No space between options
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% Mandatory option
% type=doctor|master|bachelor|postdoc
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% Optional option (with default value)
% campus=shenzhen|weihai|harbin
% Default:harbin
% glue=true/false
% Line spacing: true means [3,4]mm, false means 3mm.
% tocfour=true/false
% TOC level four or three
% fontset=windows|mac|ubuntu|fandol|adobe|founder
% Normally, TeX could detect your OS font automatically. If not, explicitly
% set your OS here, or, use open source font set
% newgeometry=one|two
% Geometry of text area in the page. `two' is good for now.
% openright=true/false
% Force the Chapter page number to be even or not.
% library=true/false
% Set this option will remove all blank page in your thesis, Library preferred.
% newtxmath=true/false
% Math font used in the thesis
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\usepackage{hithesis}
\graphicspath{{figures/}}
\begin{document}

\frontmatter
\input{front/cover}
\makecover
\include{front/acknowledgements}
\tableofcontents

\mainmatter

```

```

\include{body/eng_regu}

\backmatter
\include{back/conclusion}
\bibliographystyle{hithesis}
\bibliography{reference}
\include{back/publications}
\authorization
%\authorization[scanversion.pdf]
\end{document}

% Local Variables:
% TeX-engine: xetex
% End:

% !Mode:: "TeX:UTF-8"
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
%      ,
%      /\~/`~\
%      | \ /   |          CONGRATULATIONS!
%      | |     |          SPRING IS IN THE AIR!
%      \ \    /
%      '\ \ / '          _ _ _
%      ||                _{ ' }_
%      ||                { `!.` }
%      ||                ',_/_Y\_, '
%      || ,              dustincys    {_,_}
%      /\  ||  /\        Email: yanshuoc@gmail.com    |
%      | | | | | |        https://yanshuo.site        (\ | /)
%      | | | | / /        https://github.com/dustincys/hithesis    \| //
%      \ \ | / /        https://github.com/dustincys/hithesis    |//
%      ~\ \ / ~   \ \   \./   \ \ /   //   \ \./   \ \   //   \ \ | / /
%      ~~~~~~
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\documentclass[fontset=fandol,type=doctor,campus=harbin]{hithesisbook}
% 此处选项中不要有空格
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% 必填选项
% type=doctor|master|bachelor|postdoc
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% 选填选项（选填选项的缺省值已经尽可能满足了大多数需求，除非明确知道自己有什么
% 需求）
% campus=shenzhen/weihai/harbin
% 含义：校区选项，默认harbin
% glue=true/false
% 含义：由于我工规范中要求字体行距在一个闭区间内，这个选项为true表示tex自
% 动选择，为false表示区间内一个最接近版心要求行数的要求的默认值，缺省值为
% false。
% etitleauto=true/false
% 含义：英文内封标题字号是否随标题长度自动调整。默认false（固定为二号）。
% tocfour=true/false

```

```

% 含义：是否添加第四级目录，只对本科文科个别要求四级目录有效，缺省值为
% false
% fontset=windows/mac/ubuntu/fandol/adobe
% 含义：设置字体，若不指定会自动识别系统，然后设置字体。fandol是开源字体，自行
% 下载安装后设置使用。windows是中易字库，窝工默认常用字体，绝对没毛病。mac和
% ubuntu 默认分别是华文和思源字库，理论上用什么字库都行。后两种字库的安装方法
% 到谷歌上百度一下什么都有了。Linux非ubuntu发行版、非x86架构机器等如何运行可到
% github issue上讨论。
% tocblank=true/false
% 含义：目录中第一章之前，是否加一行空白。缺省值为true。
% chapterhang=true/false
% 含义：目录的章标题是否悬挂居中，规范中要求章标题少于15字，所以这个选项
% 有无没什么用，除了特殊需求。缺省值为true。
% fulltime=true/false
% 含义：是否全日制，缺省值为true。非全日制如同同等学力等，要在cover中设置类
% 型，封面中不同格式
% subtitle=true/false
% 含义：论文题目是否含有副标题，缺省值为false，如果有要在cover中设置副标
% 题内容，封面中显示。
% newgeometry=one/two/no
% 含义：规范中的自相矛盾之处，版芯是否包含页眉页脚，旧方法是按照包含页眉
% 页脚来设置。该选项是多选选项，如果设置为no，则版新为旧模板的版芯设置方法，
% 如果设置该选项one或two，分别对应两种页眉页码对应版芯线的相对位置。第一种
% 是严格按照规范要求，难看。第二种微调了页眉页码位置，好一点。默认two。
% debug=true/false
% 含义：是否显示版芯框和行号，用来调试。默认否。
% openright=true/false
% 含义：博士论文是否要求章节首页必须在奇数页，此选项不在规范中，按个
% 人喜好自行决定。默认否。注意，窝工的默认情况是打印版博士论文要求右翻页
% ，电子版要求非右翻页且无空白页。如果想DIY（或身不由己DIY）在什么地方右
% 翻页，将这个选项设置为false，然后在目标位置添加`\cleardoublepage`命令即
% 可。
% library=true/false
% 含义：是否为提交到图书馆的电子版。默认否。注意：如果设置成true，那么
% openright选项将被强制转换为false。
% capcenterlast=true/false
% 含义：图题、表题最后一行是否居中对齐（我工规范要求居中，但不要求居中对
% 齐），此选项不在规范中，按个人喜好自行决定。默认否。
% subcapcenterlast=true/false
% 含义：子图图题最后一行是否居中对齐（我工规范要求居中，但不要求居中对齐
% ），此选项不在规范中，按个人喜好自行决定。默认否。
% absupper=true/false
% 含义：中文目录中的英文摘要在中文目录中的大小写样式歧义，在规范中要求首
% 字母大写，在work样例中是全大写。该选项控制是否全大写。默认否。
% bsmainpagenumberline=true/false
% 含义：由于本科生论文官方模板的页码和页眉格式混乱，提供这个选项自定义设
% 置是否在正文中显示页码横线，默认显示。
% bsfrontpagenumberline=true/false
% 含义：由于本科生论文官方模板的页码和页眉格式混乱，提供这个选项自定义设
% 置是否在前文中显示页码横线，默认不显示。哈尔滨本科模板默认显示。

```

```

% bsheadrule=true/false
% 含义：由于本科生论文官方模板的页码和页眉格式混乱，提供这个选项自定义设置
% 是否显示页眉横线，默认显示。
% splitbibitem=true/false
% 含义：参考文献每一个条目内能不能断页，应广大刀客要求添加。默认否。
% newtxmath=true/false
% 含义：数学字体是否使用新罗马。默认是。
% chapterbold=true/false
% 含义：本科生章标题在目录和正文中是否加粗
% engtoc=true/false
% 含义：非博士生需要添加英文目录的，手动添加，如果是博士，此开关无效
% ziv=word/regu
% 含义：字距设置为规范规定33个字还是word中34个字。默认regu。
% citetwo=comma/endash
% 含义：相邻两个参考文献中的连接符是由逗号：[1,2]还是短线[1-2]。默认endash
% bibauthorupper=full/preserve
% 含义：参考文献列表中作者名是否转为全大写，full表示全大写，preserve
% 表示维持.bib中的大小写。默认preserve。注意本选项只管大小写，并且
% 只在使用\bibliographystyle{hithesis}或者{hitszthesis}时生效。
% bibmaxauthor=<自然数>
% 含义：参考文献列表中每条文献显示的最大作者数量，如有更多作者会自动添加
% "et al."或“等”（如果本条文献language={zh}或"zh"）。0为全部显示。默认3。
% 该选项只在使用\bibliographystyle{hithesis}或者{hitszthesis}时生效。
% biblabelalign=left/right
% 含义：参考文献列表中的标号是左对齐(left)还是右对齐(right)。默认right。
% 在加入此选项前是左对齐，但这使文献达到100篇时第1-9篇文献标号后空格过大。
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\usepackage{hithesis}

\graphicspath{{figures/}}

\begin{document}
\frontmatter
\input{front/cover} % 封面
\makecover
\input{front/denotation}%物理量名称表,符合规范为主，有要求添加
\tableofcontents %目录
\mainmatter
\include{body/regu}
\include{body/introduction}
\include{body/recruit}
\backmatter
\include{back/conclusion} % 结论
% \bibliographystyle{gbt7714-numerical}
% \bibliographystyle{gbt7714-numerical-quanjiao} % 全角标点的国标要求的参考文献样式，哈尔滨硕博用这个
% \bibliographystyle{hitszthesis} % 深圳校区的同学请使用 hitszthesis 文献样式
\bibliographystyle{hithesis}
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%-- 注意：以下本硕博、博后书序不一致 --%

```

```

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% 本科书序（哈尔滨、深圳校区）
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% \bibliography{reference} % 参考文献
% \authorization %授权
% % \authorization[scan.pdf] %添加扫描页的命令，与上互斥
% \include{back/acknowledgements} %致谢
% \begin{appendix}%附录
% \input{back/appendix01}%本科生翻译论文
% \end{appendix}
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% 本科书序（威海校区）
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% \authorization %授权
% % \authorization[scan.pdf] %添加扫描页的命令，与上互斥
% \bibliography{reference} % 参考文献
% \include{back/acknowledgements} %致谢
% \begin{appendix}%附录
% \input{back/appendix01}%本科生翻译论文
% \end{appendix}
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% 硕博书序
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\bibliography{reference} % 参考文献
\begin{appendix}%附录
\input{back/appA.tex}
\end{appendix}
\include{back/publications} % 所发文章
% 博士答辩决议表（以下三种用法择一）：
\resolution % 电子版
%\resolution[scan.pdf] % 使用扫描件，不添加页码（扫描件中已有页码时使用）
%\resolution*[scan.pdf] % 使用扫描件，自动添加页码（扫描件中无页码时使用）
\include{back/ceindex} % 索引，根据自己的情况添加或者不添加，选择自动添加或者手工添加。
% 授权（以下三种用法择一）：
\authorization % 电子版
%\authorization[scan.pdf] % 使用扫描件，不添加页码（扫描件中已有页码时使用）
%\authorization*[scan.pdf] % 使用扫描件，自动添加页码（扫描件中无页码时使用）
\include{back/acknowledgements} %致谢
\include{back/resume} % 博士学位论文有个人简介
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% 博后书序
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% \bibliography{reference} % 参考文献
% \include{back/acknowledgements} %致谢
% \include{back/doctorpublications} % 所发文章
% \include{back/publications} % 所发文章
% \include{back/resume} % 博士学位论文有个人简介
% \include{back/correspondingaddr} %通信地址
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\end{document}

```

```

% Local Variables:
% TeX-engine: xetex
% End:

% !Mode:: "TeX:UTF-8"
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
%      ,
%    /\~/\
%   / \   /          CONGRATULATIONS!
%  /  \   /          SPRING IS IN THE AIR!
%  \ \   /
%   '\// '          - -
%                   _{ ' }_
%                   { `!.` }
%                   ',_/_Y\_, '
%                   {_,_}
%                   dustincys
%  /\  /\  /\      Email: yanshuoc@gmail.com      |
%  | | | | | |      https://yanshuo.site          (\| /)
%  | | | | / /      \ | //
%  \ \ | / /      https://github.com/dustincys/hithesis  |//
%  '\ \//\  \ \   \./   \ \ /   //   \ \./   \ \   //   \ \ | / /
%  ~~~~~~
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\documentclass[fontset=fandol,toc=true,type=doctor,stage=opening,campus=shenzhen]{
hithesisart}
% 此处选项中不要有空格
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% 必填选项
% type=doctor/master/bachelor
% stage=opening/midterm
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% 选填选项（选填选项的缺省值已经尽可能满足了大多数需求，除非明确知道自己有什么
% 需求）
% campus=shenzhen/weihai/harbin
% 含义：校区选项，默认harbin
% fontset=windows/mac/ubuntu/fandol
% 含义：前三个对应各自系统，fandol是开源字体。
% toc=true/false
% 含义：是否显示目录，默认true
% newtxmath=true/false
% 含义：是否使用 times 风格数学字体，默认true
% print=true/false
% 含义：是否在封面后增加一个空白页用于打印，默认false
% bibauthorupper=full/preserve
% 含义：参考文献列表中作者名是否转为全大写，full表示全大写，preserve
% 表示维持.bib中的大小写。默认preserve。注意本选项只管大小写，并且
% 只在使用\bibliographystyle{hithesis}或者{hitszthesis}时生效。
% bibmaxauthor=<自然数>
% 含义：参考文献列表中每条文献显示的最大作者数量，如有更多作者会自动添加
% "et al."或“等”（如果本条文献language={zh}或"zh"）。0为全部显示。默认3。
% 该选项只在使用\bibliographystyle{hithesis}或者{hitszthesis}时生效。

```

```

% biblabelalign=left/right
% 含义：参考文献列表中的标号是左对齐(left)还是右对齐(right)。默认right.
% 在加入此选项前是左对齐，但这使文献达到100篇时第1-9篇文献标号后空格过大。
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

\graphicspath{{figures/}}

\begin{document}

\input{front/coverart.tex}
\makecover

% 深圳博士开题报告 -----

\input{body/report_shenzhen_doctor_opening}

% 威海校区本科生开题报告结构 -----
% \input{body/report_weihai_bachelor_opening}
% \makebackcover
% -----

% 威海校区本科生中期报告结构 -----
% \input{body/report_weihai_bachelor_midterm}
% \makebackcover
% -----

% 哈尔滨校区本科生开题报告结构 -----
% \input{body/report_harbin_bachelor_opening}
% -----

\end{document}

% Local Variables:
% TeX-engine: xetex
% End:

% !Mode:: "TeX:UTF-8"
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
%      ,
%      /\~/`\'
%      | \ /   |      CONGRATULATIONS!
%      | |     |      SPRING IS IN THE AIR!
%      \ \    /
%      '\ \ / '/'      _{ ' }_
%      ||              hithesis v3      { `!.` }
%      ||              ',_/Y\_, '
%      || ,            dustincys        {_,_}
%      /\  ||  /\      Email: yanshuoc@gmail.com      |

```

```
% | | | | | https://yanshuo.site (\| /)
% | | | / / \| //
% \ \ / / https://github.com/dustincys/hithesis |//
% \ \ / \ \ / / \ \ / \ \ / \ \ / /
% ~~~~~
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\documentclass[fontset=fandol,type=doctor,stage=midterm,campus=shenzhen]{hithesisartplus}

\graphicspath{{figures/}}

\begin{document}

\input{front/coverart.tex}
\makecover

\input{body/report_shenzhen_doctor_midterm}

\end{document}

% Local Variables:
% TeX-engine: xetex
% End:
```

3.3 论文选项

论文选项，就是在 `main.tex` 文件的开头，非注释的第一行的方括号中填写的选项，示例见上节。各个选项的含义说明已经在上节中说明，所以这里就不重复了。

3.4 中文字体

正确配置中文字体是使用模板的第一步。模板调用 $\text{CT}_{\text{E}}\text{X}$ 宏包，只提供基于 $\text{x}_{\text{e}}\text{CJK}$ 包，使用 $\text{X}_{\text{e}}\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ 编译的方式。关于如何使用字体命令、字号等等，属于模板格式范畴，在实现细节中讨论。关于中文字体安装、配置的所有问题不在本模板讨论范围。

3.5 前文

前文内容是正文之前，含封面、摘要、目录、符号表。封面信息提供两种配置方法：一是通过统一设置命令 `\hitsetup` 通过 `key=value` 形式完成；二是每个信息利用命令独立设置，其中命令的名字跟 `key` 相同。两种方式可以交叉使用，并按顺序执行（即后来的设置会覆盖前面的）。以 `c` 开头的命令跟中文相关，`e` 开头则为对应的英文。

`\hitsetup` `\hitsetup` 用法与常见 `key=value` 命令相同，如下：

```
\hitsetup{
  key1 = value1,
  key2 = {a value, with comma},
}
% 可以多次调用
\hitsetup{
  key3 = value3,
```

```
key1 = value11, % 覆盖 value1
}
```

注意：`\hitsetup` 使用 *kvoptions* 机制，所以配置项之间不能有空行，否则会报错。

大多数命令的使用方法都是：`\command{<arg>}`，例外者将具体指出。这些命令都在示例文档的 `front/cover.tex` 中。

3.5.1 密级

`statesecrets` 定义秘密级别和国内国际索引号。

```
natclassifiedindex \hitsetup{
intclassifiedindex statesecrets={公开},
                    natclassifiedindex={TM301.2},
                    intclassifiedindex={62-5},
                    }
```

3.5.2 论文标题

论文标题 中英文标题。如果有副标题，需要在封面选项中设置 `subtitle=true`，否则不显示副标题。

```
ctitle \hitsetup{
etitle ctitlecover={封面中文题目可断行},
ctitleone ctitle={论文中文题目},
ctitletwo etitle={Thesis English Title},
csubtitle esubtitle={论文中文副题目（如果有）},
esubtitle esubtitle={Thesis English Sub-Title (if necessary)},
ctitleone ctitleone={本科生论文中文题目上部分},
ctitletwo ctitletwo={本科生论文中文题目下部分},
}
```

3.5.3 作者姓名

作者姓名 作者姓名。

```
cauthor \hitsetup{
eauthor cauthor={中文姓名},
eauthor eauthor={Name in Pinyin}
}
```

3.5.4 申请学位名称

学科名称 按照入学的培养计划中学科自行填写，具体学科名称不是本文档范畴。

```
cxueke \hitsetup{
exueke cxueke={工学},
exueke exueke={Engineering},
}
```

3.5.5 院系名称

院系名称 院系名称，同上，按照入学的培养计划中学科自行填写，具体院系名称不是本文档范畴。

```
caffil \hitsetup{
eaffil caffil={机电工程学院},
      eaffil={\emultiline[t]{School of Mechatronics Engineering \\ Mechatronics Engineering}},
}
```

注意：个别学院英文名过长，使用以上方法自行换行。

3.5.6 专业名称

专业名称 专业名称，同上，按照入学的培养计划中学科自行填写，具体名称不是本文档范畴。

```
csubject \hitsetup{
esubject csubject={机械制造及其自动化},
         esubject={Computer Science and Technology},
}
```

3.5.7 导师

导师 直接导师。

```
csupervisor \hitsetup{
esupervisor csupervisor={导师~教授},
            esupervisor={Supervisor}
}
```

副导师 副指导教师。

```
cassosupervisor \hitsetup{
eassosupervisor cassosupervisor={副导师~副教授},
                eassosupervisor={2nd Boss}
}
```

联合导师 硕士生联合指导教师，博士生联合导师。

```
ccosupervisor \hitsetup{
ecosupervisor ccosupervisor={联合导师~教授},
              ecosupervisor={3rd Boss}
}
```

3.5.8 成文日期

日期 默认为当前时间，也可以自己指定。

```
cdate \hitsetup{
edate cdate={中文日期},
      edate={English Date},
}
```

3.5.9 学生类型

学生类型

`cstudenttype` 非全日制教育申请学位者（同等学力人员）、（工程硕士）、（工商管理硕士）、（高级管理人员工商管理硕士）、（公共管理硕士）、（中职教师）、（高校教师）等，具体要求按照入学的培养计划中学科自行填写，具体名称不是本文档范畴。

`estudenttype`

```
\hitsetup{
  cstudenttype={同等学力人员},
  estudenttype={Master of Art},
}
```

3.5.10 学号

学号

学号，具体要求按照入学的培养计划中学科自行填写。

`cstudentid`

```
\hitsetup{
  cstudentid={9527},
}
```

3.5.11 摘要

摘要正文

说明：摘要正文只能用环境命令的形式，不支持 `\hitsetup`。

`cabstract (env.)`

`eabstract (env.)`

```
\begin{cabstract}
摘要请写在这里...
\end{cabstract}

\begin{eabstract}
Here comes the abstract in English...
\end{eabstract}
```

关键词

关键词用英文逗号分割写入相应的命令中，模板会解析各关键词并生成符合不同论文格式要求的关键词格式。

`ckeywords`

`ekeywords`

```
\hitsetup{
  ckeywords={关键词 1, 关键词 2},
  ekeywords={keyword 1, keyword 2}
}
```

3.5.12 符号对照表

`denotation (env.)`

主要符号表环境，单独在文件 `front/denotation.tex` 中。跟据《哈尔滨工业大学研究生学位论文撰写规范》示例中要求，我工符号表是 `table` 环境，示例文件如下，由于我工要求博士论文图表标题是双语，所以任何对单个标题的全局格式调整都会影响到双语标题，所以这里使用 `\vspace`，具体见实现细节中的描述。

```
\begin{denotation}
\begin{table}[h] %此处最好是h
\caption{国际单位制中具有专门名称的导出单位}
\vspace{0.5em} \centering \wuhao
\begin{tabular}{ccccc}
\toprule
```

```
量的名称&单位名称&单位符号&其它表示实例\\
\midrule
频率&赫[兹]&Hz&s-1\\
\bottomrule
\end{tabular}
\end{table}
\end{denotation}
```

3.5.13 目录

目录不需要用户干预，自动生成，具体命令已经写在 `main.tex` 中。

3.6 正文

3.6.1 图和表

哈尔滨工业大学 博士毕业论文要求使用中英双语图题、表题，这增加了维护难度。因为现有唯一的方法是在已有的图题或表题的基础上再添加一行英语图题或表题。两个题之间的距离具体多少不在《哈尔滨工业大学研究生学位论文撰写规范》中要求。目前的方法是用户手动调节该距离。关于图题《哈尔滨工业大学研究生学位论文撰写规范》和《哈尔滨工业大学本科生毕业论文撰写规范》只规定了居中，并没有规定居中对齐。然而评审老师很多喜欢居中且居中对齐。模板默认选项是居中且居中对齐，如果不喜欢居中对齐，那么需要在 `main.tex` 的文档类选项中设置选项 `capcenterlast=false`。详细方法见前文的介绍。《哈尔滨工业大学研究生学位论文撰写规范》，《哈尔滨工业大学本科生毕业论文撰写规范》规定：“每个图均应有图题（由图序和图名组成），图题不宜有标点符号，图名在图序之后空 1 个半角字符排写。图序按章编排，如第 1 章第一个插图的图号为“图 1-1”。图题置于图下，硕士论文只用中文，博士论文用中、英两种文字，居中书写，中文在上，要求中文用宋体 5 号字，英文用 Times New Roman 5 号字。有图注或其它说明时应置于图题之上。引用图应注明出处，在图题右上角加引用文献号。图中若有分图时，分图题置于分图之下或图题之下，可以只用中文书写，分图号用 a)、b) 等表示。图中各部分说明应采用中文（引用的外文图除外）或数字符号，各项文字说明置于图题之上（有分图时，置于分图题之上）。图中文字用宋体、Times New Roman 字体，字号尽量采用 5 号字（当字数较多时可用小 5 号字，以清晰表达为原则，但在一个插图内字号要统一）。同一图内使用文字应统一。图表中物理量、符号用斜体。”单双语图题的方法如下，注释中说明。

```
\begin{figure}[htpb]
\centering
\includegraphics[width = 0.4\textwidth]{hithesis-golfer}
\bicaption[golfer1]{}{注意图中文字尽量用五号字}
}{Fig.$\!$!}{The person playing golf}
\end{figure}
```

单张单图题的格式如下，

```
\begin{figure}[h]
\centering
\includegraphics[width = 0.4\textwidth]{hithesis-golfer}
\caption{注意图中文字字号尽量用五号字}
\end{figure}
```

并排图例。

```
\begin{figure}[htbp]
\centering
\begin{minipage}{0.4\textwidth}
\centering
\includegraphics[width=\textwidth]{hithesis-golfer}
\bicaption[golfer2]{}{打高尔夫球的人}{Fig.$\!$}{The person playing golf}
\end{minipage}
\begin{minipage}{0.4\textwidth}
\centering
\includegraphics[width=\textwidth]{hithesis-golfer}
\bicaption[golfer3]{}{打高尔夫球的人}{Fig.$\!$}{The person playing golf}
\end{minipage}
\end{figure}
```

子图图例。

```
\begin{figure}[htbp]
\centering
\subfigure{\label{golfer41}}\addtocounter{subfigure}{-2}
\subfigure[The person playing golf]{\subfigure[打高尔夫球的人-1]{\includegraphics[width=0.4\textwidth]{hithesis-golfer}}}}
\subfigure{\label{golfer42}}\addtocounter{subfigure}{-2}
\subfigure[The person playing golf]{\subfigure[打高尔夫球的人-2]{\includegraphics[width=0.4\textwidth]{hithesis-golfer}}}}
\bicaption[golfer4]{}{打高尔夫球的人}{Fig.$\!$}{The person playing golf}
\end{figure}
```

表格示例，表格中的字体是可以自行调整的。

```
\begin{table}[htbp]
\bicaption[table1]{}{符合研究生院绘图规范的表格}{Table$\!$}{Table in agreement of the
standard from graduate school}
\vspace{0.5em}\centering\wuhao
\begin{tabular}{ccccc}
\toprule
 $D(\text{in})$  &  $P_u(\text{lbs})$  &  $u_u(\text{in})$  &  $\beta$  &  $G_f(\text{psi.in})$  \\
\midrule
5 & 269.8 & 0.000674 & 1.79 & 0.04089 \\
10 & 421.0 & 0.001035 & 3.59 & 0.04089 \\
20 & 640.2 & 0.001565 & 7.18 & 0.04089 \\
\bottomrule
\end{tabular}
\end{table}
```

因为长表格不是浮动体，不会自动调整位置、也不会自动调整字体大小，一切都要手动设置。特别繁琐。

```
\ltfontsize{\dauw[1.667]} %设置表格内字体行间距
\dauw[1.667]\begin{longtable}{ccc} % 注意此处设置的是表格线距离
\longbionenumcaption{}{\wuhao 中国省级行政单位一览 %此处要添加字体设置}
\label{table2}{Table$\!$}{\wuhao Overview of the provincial administrative
```

```

unit of China}}{-0.5em}{3.15bp}\\ %注意后两个参数分别是中英标题间距、标题和表格的间距。
%\caption{\wuhao 中国省级行政单位一览}\[1em] %注意此处是标题和表格间距，这行
%是单语标题
\toprule 名称 & 简称 & 省会或首府 \\ \midrule
\endfirsthead
\multicolumn{3}{r}{表~\thetable (续表)}\vspace{0.5em}\\
\toprule 名称 & 简称 & 省会或首府 \\ \midrule
\endhead
\bottomrule
\endfoot
北京市 & 京 & 北京\\
天津市 & 津 & 天津\\
河北省 & 冀 & 石家庄市\\
山西省 & 晋 & 太原市\\
内蒙古自治区 & 蒙 & 呼和浩特市\\
辽宁省 & 辽 & 沈阳市\\
吉林省 & 吉 & 长春市\\
黑龙江省 & 黑 & 哈尔滨市\\
上海市 & 沪/申 & 上海\\
江苏省 & 苏 & 南京市\\
浙江省 & 浙 & 杭州市\\
安徽省 & 皖 & 合肥市\\
福建省 & 闽 & 福州市\\
江西省 & 赣 & 南昌市\\
山东省 & 鲁 & 济南市\\
河南省 & 豫 & 郑州市\\
湖北省 & 鄂 & 武汉市\\
湖南省 & 湘 & 长沙市\\
广东省 & 粤 & 广州市\\
广西壮族自治区 & 桂 & 南宁市\\
海南省 & 琼 & 海口市\\
重庆市 & 渝 & 重庆\\
四川省 & 川/蜀 & 成都市\\
贵州省 & 黔/贵 & 贵阳市\\
云南省 & 云/滇 & 昆明市\\
西藏自治区 & 藏 & 拉萨市\\
陕西省 & 陕/秦 & 西安市\\
甘肃省 & 甘/陇 & 兰州市\\
青海省 & 青 & 西宁市\\
宁夏回族自治区 & 宁 & 银川市\\
新疆维吾尔自治区 & 新 & 乌鲁木齐市\\
香港特别行政区 & 港 & 香港\\
澳门特别行政区 & 澳 & 澳门\\
台湾省 & 台 & 台北市\\
\end{longtable}\normalsize %注意这里要恢复正常字体

```

3.6.2 公式

公式不做介绍，与正常用法一致。

3.6.3 数学环境

hiThesis 定义了常用的数学环境：

axiom	theorem	definition	proposition	lemma	conjecture	
公理	定理	定义	命题	引理	猜想	
proof	corollary	example	exercise	assumption	remark	problem
证明	推论	例子	练习	假设	注释	问题

比如：

```
\begin{definition}
道千乘之国，敬事而信，节用而爱人，使民以时。
\end{definition}
```

产生（自动编号）：

定义 1.1 道千乘之国，敬事而信，节用而爱人，使民以时。

列举出来的数学环境毕竟是有限的，如果想用胡说这样的数学环境，那么可以定义：

```
\newtheorem{nonsense}{胡说}[chapter]
```

然后这样使用：

```
\begin{nonsense}
契丹武士要来中原夺武林秘笈。——慕容博
\end{nonsense}
```

产生（自动编号）：

胡说 1.1 契丹武士要来中原夺武林秘笈。——慕容博

3.6.4 算法

我工算法不在规范中要求且一千个评审老师有一千个算法格式喜好。详见 [PlutoThesis](#) 中的各个实验室算法喜好举例。在此多说无益。

3.6.5 引用参考文献

`\inlinecite` 学校要求的参考文献引用有两种模式：(1) 上标模式。比如“同样的工作有很多^{[1,2]...}”。(2) 正文模式。比如“文 [3] 中详细说明了...”。其中上标模式使用远比正文模式频繁，所以为了符合使用习惯，上标模式仍然用常规的 `\cite{key}`，而 `\inlinecite{key}` 则用来生成正文模式。

关于参考文献模板推荐使用 BibTeX，关于中文参考文献需要额外增加一个 `Entry: language`，将其设置为 `zh` 用来指示此参考文献为中文，以便 `hithesis.bst` 处理。如：

```
@INPROCEEDINGS{cnproceed,
author   = {王重阳 and 黄药师 and 欧阳峰 and 洪七公 and 段皇帝},
title    = {武林高手从入门到精通},
booktitle = {第~$N$~次华山论剑},
year     = 2006,
address  = {西安, 中国},
language = "zh",
```

```

}

@ARTICLE{cnarticle,
  AUTHOR   = "贾宝玉 and 林黛玉 and 薛宝钗 and 贾探春",
  TITLE    = "论刘姥姥食量大如牛之现实意义",
  JOURNAL   = "红楼梦杂谈",
  PAGES     = "260--266",
  VOLUME    = "224",
  YEAR      = "1800",
  LANGUAGE  = "zh",
}

```

注意如果不需要引用参考文献，请删除 `main.tex` 中 `\bibliography` 开头的两行，以避免可能的编译错误。

3.6.6 列表环境

`itemize (env.)` 为了适合中文习惯，模板将这三个常用的列表环境用 `enumitem` 进行了纵向间距压缩。一
`enumerate (env.)` 方面清除了多余空间，另一方面用户可以自己指定列表环境的样式（如标签符号，缩进等）。
`description (env.)` 细节请参看 `enumitem` 文档，此处不再赘述。

3.7 后文

3.7.1 结论

`conclusions (env.)` 结论之后为后文内容。

```
\begin{conclusions}
```

学位论文的结论作为论文正文的最后一章单独排写，但不加章标题序号。

结论应是作者在学位论文研究过程中所取得的创新性成果的概要总结，不能与摘要混为一谈。博士学位论文结论应包括论文的主要结果、创新点、展望三部分，在结论中应概括论文的核心观点，明确、客观地指出本研究内容的创新性成果（含新见解、新观点、方法创新、技术创新、理论创新），并指出今后进一步在本研究方向进行研究工作的展望与设想。对所取得的创新性成果应注意从定性和定量两方面给出科学、准确的评价，分（1）、（2）、（3）…条列出，宜用“提出了”、“建立了”等词叙述。

```
\end{conclusions}
```

3.7.2 参考文献

在后文中的参考文献是自动生成的，不需要用户干预，具体命令在 `main.tex` 中有示例。

3.7.3 附录

`appendix (env.)` 所有的附录都插到这里来。因为附录会更改默认的 `chapter` 属性，而后面的个人简历又需要恢复，所以实现为环境可以保证全局的属性不受影响。

```

\begin{appendix}
\input{back/appA.tex}

```

```
\end{appendix}
```

3.7.4 所发表文章

`publication (env.)` 虽然在《哈尔滨工业大学研究生学位论文撰写规范》《哈尔滨工业大学本科生毕业论文撰写规范》中都没有明确规定此处的格式，但按照旧模板 PlutoThesis，此处格式非常复杂。此处仍然使用旧模板中的设置方法。

```
\begin{publication}
\noindent\textbf{(一) 发表的学术论文}
\begin{publist}
\item XXX, XXX. Static Oxidation Model of Al-Mg/C Dissipation Thermal Protection
Materials[J]. Rare Metal Materials and Engineering, 2010, 39(Suppl. 1): 520-524. (SCI~收
录, IDS号为~669JS, IF=0.16)
\item XXX, XXX. 精密超声振动切削单晶铜的计算机仿真研究[J]. 系统仿真学报, 2007, 19 (4) :
738-741, 753. (EI~收录号: 20071310514841)
\item XXX, XXX. 局部多孔质气体静压轴向轴承静态特性的数值求解[J]. 摩擦学学报, 2007 (1) :
68-72. (EI~收录号: 20071510544816)
\item XXX, XXX. 硬脆光学晶体材料超精密切削理论研究综述[J]. 机械工程学报, 2003, 39 (8) :
15-22. (EI~收录号: 2004088028875)
\item XXX, XXX. 基于遗传算法的超精密切削加工表面粗糙度预测模型的参数辨识以及切削参数优化[J].
机械工程学报, 2005, 41 (11) : 158-162. (EI~收录号: 2006039650087)
\item XXX, XXX. Discrete Sliding Mode Cintrok with Fuzzy Adaptive Reaching Law on 6-PEES
Parallel Robot[C]. Intelligent System Design and Applications, Jinan, 2006: 649-652. (EI~
收录号: 20073210746529)
\end{publist}

\noindent\textbf{(二) 申请及已获得的专利 (无专利时此项不必列出) }
\begin{publist}
\item XXX, XXX. 一种温热外敷药制备方案: 中国, 88105607.3[P]. 1989-07-26.
\end{publist}

\noindent\textbf{(三) 参与的科研项目及获奖情况}
\begin{publist}
\item XXX, XXX. XX~气体静压轴承技术研究, XX~省自然科学基金项目.课题编号: XXXX.
\item XXX, XXX. XX~静载下预应力混凝土房屋结构设计统一理论. 黑江省科学技术二等奖, 2007.
\end{publist}
%\vfill
%\hangafter=1\hangindent=2em\noindent
%\setlength{\parindent}{2em}
\end{publication}
```

3.7.5 索引

`ceindex (env.)` 我工要求中英文双语索引。后文中的自动索引实际上不需要用户干预。

```
\begin{ceindex}
%如果想要手动加索引, 注释掉以下这一行, 用wordlist环境
\printsubindex*
\end{ceindex}
```

手工添加索引的方法不推荐，模板中将去除该功能。

3.7.6 授权

`\authorization` 授权页中的签名和日期是需要手写，不需要人工干预。具体示例在 `main.tex` 中。

```
\authorization %授权
%\authorization[scan.pdf] %添加扫描页的命令，与上互斥
```

3.7.7 致谢声明

`acknowledgement (env.)` 把致谢做成一个环境更好一些，直接往里面写感谢的话就可以啦！

```
\begin{acknowledgement}
...
感谢\hit\LaTeX\ 论文模板\hithesis\ !
\end{acknowledgement}
```

3.7.8 简历

`resume (env.)` 个人简历。实际上，致谢和个人简历是自由发挥的地区，字体，文体，格式，内容，完全自己决定。

```
\begin{resume}
XXXX~年~XX~月~XX~日出生于~XXXX。

XXXX~年~XX~月考入~XX~大学~XX~院（系）XX~专业，XXXX~年~XX~月本科毕业并获得~XX~学学士学位。

XXXX~年~XX~月-----XXXX~年~XX~月在~XX~大学~XX~院（系）XX~学科学习并获得~XX~学硕士学位。

XXXX~年~XX~月-----XXXX~年~XX~月在~XX~大学~XX~院（系）XX~学科学习并获得~XX~学博士学位。

获奖情况：如获三好学生、优秀团干部、X~奖学金等（不含科研学术获奖）。

工作经历：
\end{resume}
```

3.8 其它

模板的配置文件 `hithesisbook.cfg` 中定义了很多固定词汇，一般无须修改。如果有特殊需求，推荐在导言区使用 `\renewcommand`。

3.9 捐助

各位刀客和大侠如用的嗨，要解囊相助，请支付宝赞助参照图 1 中提示操作（二维码被矢量化后之后去除了头像等冗余无用的部分~）。



图 1: 支付宝

4 实现细节

4.1 基本信息

生成 `hithesis.bst`, 并按照 [HITSZTHESIS](#) 生成深圳校区的参考文献样式 `hitszthesis.bst`。

```

1 <*bst | shenzhenbst>
2 <shenzhenbst>%% This bst file comes from https://github.com/YangLaTeX/hitszthesis
3 ENTRY                                     % class Entry {
4 {                                         % public:
5   author                                %   String author;
6   editor                                %   String editor;
7   translator                            %   String translator;
8   title                                 %   String title;
9   edition                               %   String edition;
10  address                               %   String address;
11  publisher                             %   String publisher;
12  pages                                 %   String pages;
13  year                                  %   String year;
14  date                                  %   String date;
15  modifydate                            %   String modifydate;
16  citedate                              %   String citedate;
17  url                                   %   String url;
18  doi                                   %   String doi;
19  language                              %   String language;
20  booktitle                             %   String booktitle;
21  journal                               %   String journal;
22  chapter                               %   String chapter;
23  series                                %   String series;
24  volume                                %   String volume;
25  number                                %   String number;
26  version                               %   String version;
27  month                                 %   String month;
28  school                               %   String school;
29  institution                           %   String institution;
30  organization                          %   String organization;
31  type                                  %   String type;
32  howpublished                          %   String howpublished;
33  eid                                   %   String eid;
34  key                                   %   String key;
35  country                               %   String country;
36  patentid                              %   String patentid;
37  media                                 %   String media;
38 } {                                     %   // declare integer variables
39   required                              %   int required; // withther the bibfield is re
40 } {                                     %   // declare String variables
41   label                                %   String label;           // label for the ent
42   mark                                 %   String mark;           // mark for the entr
43                                     %   // there is ahidden entry variable sort.key$
44                                     %   String sort_key;
45 }                                     % }
```

```

46                                     %
47 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
48                                     %
49 INTEGERS {                          % // declare global int variables
50   entry.count                       % static int entry_count;          // number of e
51   longest.label.width               % static int longest_label_width; // width of th
52   i                                 % static int i;
53   j                                 % static int j;
54   k                                 % static int k;
55 }                                    %
56                                     %
57 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
58                                     %
59 STRINGS {                           % // declare global String variables
60   longest.label                     % static String longest_label;    // the longes
61   s                                 % static String s;
62   t                                 % static String t;
63 }                                    %
64                                     %
65 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
66
67 % define global static constants
68 FUNCTION {true}                     {#1}
69 FUNCTION {false}                    {#0}
70 FUNCTION {debug.enabled}             {true}
71 FUNCTION {cap.volume.en}             {"Vol~"}
72 FUNCTION {cap.volume.zh}             {" 卷"}
73 FUNCTION {cap.edition.en}            {"~ed"}
74 FUNCTION {cap.edition.zh}            {" 版"}
75 FUNCTION {cap.anonymous.en}          {"Anon"}
76 FUNCTION {cap.anonymous.zh}          {" 佚名"}
77 <shenzhenbst>
78 FUNCTION {cap.no.address.en}         {" [S.l.] "}
79 FUNCTION {cap.no.address.zh}         {" [出版地不详] "}
80 FUNCTION {cap.no.publisher.en}       {" [s.n.] "}
81 FUNCTION {cap.no.publisher.zh}       {" [出版者不详] "}
82 FUNCTION {cap.et.al.en}              {" , et~al"}
83 FUNCTION {cap.et.al.zh}              {" , 等"}
84 </shenzhenbst>
85 <bst>
86 FUNCTION {cap.no.address.en}         {" [S.l.]"}
87 FUNCTION {cap.no.address.zh}         {" [出版地不详]"}
88 FUNCTION {cap.no.publisher.en}       {" [s.n.]"}
89 FUNCTION {cap.no.publisher.zh}       {" [出版者不详]"}
90 FUNCTION {cap.et.al.en}              {" , et~al"}
91 FUNCTION {cap.et.al.zh}              {" , 等"}
92 </bst>
93 FUNCTION {cap.translate.en}          {"~trans"}
94 FUNCTION {cap.translate.zh}          {" 译"}

```

```

95 FUNCTION {cap.doi.url}      {"http://dx.doi.org/"}
96 FUNCTION {cap.st.en}       {"st"}
97 FUNCTION {cap.nd.en}       {"nd"}
98 FUNCTION {cap.rd.en}       {"rd"}
99 FUNCTION {cap.th.en}       {"th"}
100
101 FUNCTION {cap.space}       {" "}
102 <*shenzhenbst>
103 FUNCTION {cap.comma}       {"", "}
104 FUNCTION {cap.colon}       {"\thinspace{}\textnormal{: }"}
105 </shenzhenbst>
106 <*bst>
107 FUNCTION {cap.comma}       {"", "}
108 FUNCTION {cap.colon}       {"\textnormal{: }"}
109 </bst>

      似乎 GBT2005 冒号前面不需要有空格，此处删除
110 FUNCTION {cap.period}     {"\nolinebreak\@. "}
111 FUNCTION {cap.double.slash} {" /\thinspace{}"}
112 FUNCTION {cap.dash}       {"\textnormal{-}"}
113
114 % Predefined latex command used to format the style of bibitems
115 FUNCTION {env.bibbegin}    {"\begin{thebibliography}" }
116 FUNCTION {env.bibend}     {"\end{thebibliography}" }
117 FUNCTION {cmd.bibauthor}   {"\providecommand{\bibauthor}[1]{#1}" }
118 FUNCTION {cmd.bibeditor}   {"\providecommand{\bibeditor}[1]{\bibauthor{#1}}" }
119 FUNCTION {cmd.bibtranslator} {"\providecommand{\bibtranslator}[1]{#1}" }
120 FUNCTION {cmd.bibtitle}    {"\providecommand{\bibtitle}[1]{#1}" }
121 FUNCTION {cmd.bibbooktitle} {"\providecommand{\bibbooktitle}[1]{#1}" }
122 FUNCTION {cmd.bibjournal}  {"\providecommand{\bibjournal}[1]{#1}" }
123 FUNCTION {cmd.bibmark}     {"\providecommand{\bibmark}[1]{\mbox{#1}}" }
124 FUNCTION {cmd.bibcountry}  {"\providecommand{\bibcountry}[1]{#1}" }
125 FUNCTION {cmd.bibpatentid} {"\providecommand{\bibpatentid}[1]{#1}" }
126 FUNCTION {cmd.bibedition}  {"\providecommand{\bibedition}[1]{#1}" }
127 FUNCTION {cmd.biborganization} {"\providecommand{\biborganization}[1]{#1}" }
128 FUNCTION {cmd.bibaddress}  {"\providecommand{\bibaddress}[1]{#1}" }
129 FUNCTION {cmd.bibpublisher} {"\providecommand{\bibpublisher}[1]{#1}" }
130 FUNCTION {cmd.bibinstitution} {"\providecommand{\bibinstitution}[1]{#1}" }
131 FUNCTION {cmd.bibschool}   {"\providecommand{\bibschooll}[1]{#1}" }
132 FUNCTION {cmd.bibvolume}   {"\providecommand{\bibvolume}[1]{#1}" }
133 FUNCTION {cmd.bibnumber}   {"\providecommand{\bibnumber}[1]{#1}" }
134 FUNCTION {cmd.bibversion}   {"\providecommand{\bibversion}[1]{#1}" }
135 FUNCTION {cmd.bibpages}    {"\providecommand{\bibpages}[1]{#1}" }
136 FUNCTION {cmd.bibmodifydate} {"\providecommand{\bibmodifydate}[1]{#1}" }
137 FUNCTION {cmd.bibcitedate} {"\providecommand{\bibcitedate}[1]{#1}" }
138 FUNCTION {cmd.bibyear}     {"\providecommand{\bibyear}[1]{#1}" }
139 FUNCTION {cmd.bibdate}     {"\providecommand{\bibdate}[1]{#1}" }
140 FUNCTION {cmd.biburl}      {"\providecommand{\biburl}[1]{\newline\url{#1}}" }
141
142 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

```

```

143                                     %
144 FUNCTION {log.str} {               % void Entry::log_str(String value, String message)
145   debug.enabled {                 %   if (debug_enabled == 1) {
146     "DEBUG: " swap$ * " - " *      %     message = "DEBUG: " + message + " - ";
147     swap$ *                        %     message = message + value;
148     "" *                          %     message = message + "";
149     top$                          %     log(message);
150   } {                             %   } else {
151     pop$ pop$                     %     return;
152   } if$                           %   }
153 }                                 % }
154                                   %
155 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
156                                   %
157 FUNCTION {log.int} {              % int Entry::log_int(int value, String message)
158   debug.enabled {                 %   if (debug_enabled == 1) {
159     "DEBUG: " swap$ * " - " *      %     message = "DEBUG: " + message + " - ";
160     swap$ int.to.str$ *            %     message = message + int_to_str(value);
161     top$                          %     log(message);
162   } {                             %   } else {
163     pop$ pop$                     %     return;
164   } if$                           %   }
165 }                                 % }
166                                   %
167 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
168                                   %
169 FUNCTION {not} {                  % int Entry::not(int x) {
170   {                               %   if (x == 1) {
171     false                         %     return false;
172   } {                             %   } else {
173     true                         %     return true;
174   } if$                          %   }
175 }                                 % }
176                                   %
177 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
178                                   %
179 FUNCTION {and} {                  % int Entry::and(int x, int y) {
180   {                               %   if (y == 1) {
181     skip$                        %     return x;
182   } {                             %   } else {
183     pop$ false                   %     return false;
184   } if$                          %   }
185 }                                 % }
186                                   %
187 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
188                                   %
189 FUNCTION {or} {                   % int Entry::or(int x, int y) {
190   {                               %   if (y == 1) {
191     pop$ true                    %     return true;
192   } {                             %   } else {

```

```

193     skip$                                %    return x;
194 } if$                                     %    }
195 }                                         % }
196                                         %
197 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
198                                         % // calculate the length in characters of a str
199                                         % // We need this function since text.length$ is
200                                         % // the length in characters.
201 INTEGERS {length.i}                     % static int length_i;
202 FUNCTION {length} {                     % int Entry::length(String str) {
203     duplicate$ empty$ {                 %     if (empty(str)) {
204         pop$ #0                           %         return 0;
205     } {                                   %     } else {
206         #1 'length.i :=                   %         length_i = 1;
207         false                             %         int stop = false;
208         {not} {                           %         while (! stop) {
209             duplicate$ length.i #1 substring$ %             String tmp = substring(str, length_i, 1);
210             "" = {                         %             if (tmp == "") {
211                 true                       %                 stop = true;
212             } {                             %             } else {
213                 length.i #1 + 'length.i := %                 length_i = length_i + 1;
214                 false                     %                 stop = false;
215             } if$                           %             }
216         } while$                           %         }
217         pop$ length.i #1 -                 %         return length_i - 1;
218     } if$                                   %     }
219 }                                         % }
220                                         %
221 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
222                                         %
223 FUNCTION {is.digit} {                   % int Entry::is_digit(String ch) {
224     chr.to.int$                           %     int ascii = chr_to_int(ch);
225     duplicate$ "0" chr.to.int$ < {         %     if (ascii < chr_to_int("0")) {
226         pop$ false                         %         return false;
227     } {                                   %     } else {
228         "9" chr.to.int$ > {                 %         if (ascii > chr_to_int("9")) {
229             false                         %             return false;
230         } {                             %         } else {
231             true                           %             return true;
232         } if$                               %         }
233     } if$                                   %     }
234 }                                         % }
235                                         %
236 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
237                                         % // test if str is a number
238 FUNCTION {is.number} {                   % int Entry::is_number(String str) {
239     duplicate$ empty$ not swap$           %     int result = (! empty(str));
240     { duplicate$ empty$ not } {           %     while (! empty(str)) {
241         duplicate$ #1 #1 substring$ is.digit { %         if (is_digit(substring(str, 1, 1))) {
242             #2 global.max$ substring$      %         str = substring(str, 2, global_max);

```

```

243     } {
244         pop$ pop$ false
245         ""
246     } if$
247 } while$
248 pop$
249 }
250
251 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
252                                     % // extract the number prefix of str
253 FUNCTION {extract.number} {
254     duplicate$
255     duplicate$ length swap$
256     duplicate$ empty$
257     { not } {
258         duplicate$ #1 #1 substring$ is.digit {
259             #2 global.max$ substring$
260             duplicate$ empty$
261         } {
262             true
263         } if$
264     } while$
265     length -
266     #1 swap$ substring$
267 }
268
269 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
270                                     %
271 FUNCTION {get.last.chr} {
272     duplicate$ length
273     duplicate$ #0 = {
274         pop$
275     } {
276         #1 substring$
277     } if$
278 }
279
280 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
281                                     %
282 FUNCTION {get.ordinal.suffix.en} {
283     duplicate$ "1" = {
284         pop$ cap.st.en
285     } {
286         duplicate$ "2" = {
287             pop$ cap.nd.en
288         } {
289             duplicate$ "3" = {
290                 pop$ cap.rd.en
291             } {
292                 pop$ cap.th.en

```

```

293     } if$                                %     }
294     } if$                                %     }
295 } if$                                    % }
296 }                                        % }
297                                        %
298 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
299                                        %
300 FUNCTION {num.to.ordinal.en} {           % String Entry::num_to_ordinal_en(String num) {
301     duplicate$ empty$ {                  %     if (empty(num)) {
302         skip$                            %         return num;
303     } {                                  %     } else {
304         duplicate$ get.last.chr           %         String ch = get_last_chr(num);
305         get.ordinal.suffix.en            %         String str = get_ordinal_suffix_en(ch);
306         *                                %         reutrn num + str;
307     } if$                                %     }
308 }                                        % }
309                                        %
310 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
311                                        %
312 STRINGS {remove.dots.result}             % static String remove_dots_result;
313                                        %
314 FUNCTION {remove.dots} {                 % String Entry::remove_dots(String str) {
315     "" 'remove.dots.result :=            %     remove_dots_result = "";
316     { duplicate$ empty$ not } {           %     while (! empty(str)) {
317         duplicate$ #1 #2 substring$       %         String tmp = substring(str, 1, 2);
318         "\" = {                           %         if (tmp == "\") {
319             #3 global.max$ substring$     %             str = substring(str, 3, global_max);
320         } {                               %         } else {
321             duplicate$ #1 #1 substring$    %             tmp = substring(str, 1, 1);
322             duplicate$ "." = {            %             if (tmp == ".") {
323                 pop$ #2 global.max$ substring$ %                 str = substring(str, 2, global_max);
324             } {                           %             } else {
325                 remove.dots.result swap$ * %                 tmp = remove_dots_result + tmp;
326                 'remove.dots.result :=     %                 remove_dots_result = tmp;
327                 #2 global.max$ substring$ %                 str = substring(str, 2, global_max);
328             } if$                         %             }
329         } if$                             %         }
330     } while$                             %     }
331     pop$ remove.dots.result              %     return remove_dots_result;
332 }                                        % }
333                                        %
334 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
335                                        %
336 FUNCTION {add.brace} {                   % String Entry::add_brace(String str) {
337     "{" swap$ * "}" *                    %     return "{" + str + "}";
338 }                                        % }
339                                        %
340 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
341                                        %
342 FUNCTION {add.bracket} {                 % String Entry::bracket(String str) {

```

```

343 <shenzhenbst> "(" swap$ * ")"\!\!" * % return "(" + str + ")"\!\!";
344 <bst> "(" swap$ * ")" * % return "(" + str + ")";
345 } % }
346 %
347 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
348 %
349 FUNCTION {add.squarebracket} { % String Entry::add_squarebracket(String str) {

350 <shenzhenbst> "[" swap$ * "]" * % return "[" + str + "]";
351 <bst> "[" swap$ * "]" * % return "[" + str + "]";
352 } % }
353 %
354 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
355 %
356 FUNCTION {add.textit} { % String Entry::add_textit(String str) {
357 "\textit{" swap$ * "}" * % return "\textit{" + str + "}";
358 } % }
359 %
360 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
361 %
362 FUNCTION {add.textbf} { % String Entry::add_textbf(String str) {
363 "\textbf{" swap$ * "}" * % return "\textbf{" + str + "}";
364 } % }
365 %
366 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
367 % // test if str contains a dash '-'
368 FUNCTION {contain.dash} { % int Entry::contain_dash(String str) {
369 false swap$ % int result = false;
370 { duplicate$ empty$ not} { % while (! empty(str)) {
371 duplicate$ #1 #1 substring$ "-" = { % if (substring(str, 1, 1) == "-") {
372 pop$ pop$ true % result = true;
373 "" % str = "";
374 } { % } else {
375 #2 global.max$ substring$ % str = substring(str, 2, global_max);
376 } if$ % }
377 } while$ % }
378 pop$ % return result;
379 } % }
380 %
381 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
382 % // extract the substring before the first '-'
383 % // returns the string itself if no '-'
384 FUNCTION {extract.before.first.dash} { % String Entry::extract_before_first_dash(String
385 duplicate$ % String suffix = str;
386 duplicate$ length swap$ % int n = length(str);
387 duplicate$ empty$ % int stop = empty(suffix);
388 { not } { % while (! stop) {
389 duplicate$ #1 #1 substring$ "-" = { % if (substring(suffix, 1, 1) == "-") {
390 true % stop = true;
391 } { % } else {4r

```

```

392     #2 global.max$ substring$           %      suffix = substring(suffix, 2, global_max)
393     duplicate$ empty$                   %      stop = empty(suffix);
394   } if$                                %    }
395 } while$                                %    }
396 length -                               %    int n = n - length(suffix);
397 #1 swap$ substring$                     %    return substring(str, 1, n);
398 }                                       % }
399                                       %
400 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
401                                       % // extract the substring after the first '-'
402                                       % // returns the string itself if no '-'
403 FUNCTION {extract.after.first.dash} {    % String Entry::extract_after_first_dash(String s
404   duplicate$                             %   String suffix = str;
405   duplicate$ empty$                     %   int stop = empty(suffix);
406   { not } {                             %   while (! stop) {
407     duplicate$ #1 #1 substring$ "-" = {  %     if (substring(suffix, 1, 1) == "-") {
408       true                               %       stop = true;
409     } {                                  %     } else {4r
410       #2 global.max$ substring$         %       suffix = substring(suffix, 2, global_max)
411       duplicate$ empty$                 %       stop = empty(suffix);
412     } if$                               %     }
413   } while$                               %   }
414   duplicate$ empty$ {                   %   if (empty(suffix)) {
415     pop$                                %     return str;
416   } {                                   %   } else {
417     swap$ pop$ #2 global.max$ substring$ %     return substring(suffix, 2, global_max);
418   } if$                                 %   }
419 }                                       % }
420                                       %
421 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
422                                       % // extract the substring after the last '-'
423                                       % // returns the empty string if no '-'
424 FUNCTION {extract.after.last.dash} {    % String Entry::extract_after_last_dash(String str
425   duplicate$ contain.dash not {         %   if (! contain_dash(str)) {
426     pop$ ""                             %     return "";
427   } {                                   %   } else {
428     {duplicate$ contain.dash} {         %     while (contain_dash(str)) {
429       extract.after.first.dash          %       str = extract_after_first_dash(str);
430     } while$                             %   }
431                                       %   return str;
432   } if$                                 %   }
433 }                                       % }
434                                       %
435 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
436                                       %
437 FUNCTION {trim.start} {                 % String Entry::trim_start(String str) {
438   {duplicate$ #1 #1 substring$ " " =} { %   while (substring(str, 1, 1) == " ") {
439     #2 global.max$ substring$           %     str = substring(str, 2, global_max);
440   } while$                               %   }
441                                       %   return str;

```

```

442 } % }
443 %
444 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
445 %
446 FUNCTION {trim.end} { % String Entry::trim_end(String str) {
447   {duplicate$ get.last.chr " " =} { % while (get_last_chr(str) == " ") {
448     duplicate$ length #1 - % int n = length(str) - 1;
449     #1 swap$ substring$ % str = substring(str, 1, n);
450   } while$ % }
451 % return str;
452 } % }
453 %
454 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
455 %
456 FUNCTION {trim} { % String Entry::trim(String str) {
457   trim.start % str = trim_start(str);
458   trim.end % return trim_end(str);
459 } % }
460 %
461 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
462 %
463 FUNCTION {start.bibitem} { % void Entry::start_bibitem() {
464   newline$ % writeln();
465   "\bibitem{" cite$ * "}" * write$ % write("\bibitem{" + this.cite + "}");
466   newline$ % writeln();
467 } % }
468 %
469 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
470 %
471 FUNCTION {end.bibitem} { % void Entry::end_bibitem() {
472   cap.period write$ % write(cap_period);
473   newline$ % writeln();
474 } % }
475 %
476 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
477 %
478 FUNCTION {is.in.chinese} { % int Entry::is_in_chinese() {
479   language empty$ { % if (empty(this.language)) {
480     false % return false;
481   } { % } else {
482     language "zh" = { % if (this.language == "zh") {
483       true % return true;
484     } { % } else {
485       false % return false;
486     } if$ % }
487   } if$ % }
488 } % }
489 %
490 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
491 %

```

```

492 FUNCTION {is.online} {
493   url empty$ not {
494     true
495   } {
496     doi empty$ not {
497       true
498     } {
499       false
500     } if$
501   } if$
502 }
503
504 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
505 %
506 FUNCTION {set.mark} {
507   'mark :=
508   is.online {
509     mark "/OL" * 'mark :=
510   } {
511     media empty$ not {
512       mark "/" * media * 'mark :=
513     } 'skip$ if$
514   } if$
515 }
516 %
517 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
518 %
519 FUNCTION {cap.volume} {
520   is.in.chinese {
521     cap.volume.zh
522   } {
523     cap.volume.en
524   } if$
525 }
526 %
527 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
528 %
529 FUNCTION {cap.edition} {
530   is.in.chinese {
531     cap.edition.zh
532   } {
533     cap.edition.en
534   } if$
535 }
536 %
537 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
538 %
539 FUNCTION {cap.anonymous} {
540   is.in.chinese {
541     cap.anonymous.zh

```

```

% int Entry::is_online() {
%   if (! empty(this.url)) {
%     return true;
%   } else {
%     if (! empty(this.doi)) {
%       return true;
%     } else {
%       return false;
%     }
%   }
% }
%
% void Entry::set_mark(String mark) {
%   this.mark = mark;
%   if (is_online()) {
%     this.mark = this.mark + "/OL";
%   } else {
%     if (! empty(this.media)) {
%       this.mark = this.mark + "/" + this.media;
%     }
%   }
% }
%
% String Entry::cap_volume() {
%   if (is_in_chinese()) {
%     return cap_volume_zh;
%   } else {
%     return cap_volume_en;
%   }
% }
%
% String Entry::cap_edition() {
%   if (is_in_chinese()) {
%     return cap_edition_zh;
%   } else {
%     return cap_edition_en;
%   }
% }
%
% String Entry::cap_anonymous() {
%   if (is_in_chinese()) {
%     return cap_anonymous_zh;

```

```

542 } { % } else {
543     cap.anonymous.en % return cap_anonymous_en;
544 } if$ % }
545 } % }
546 %
547 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
548 %
549 FUNCTION {cap.no.address} { % String Entry::cap_no_address() {
550     is.in.chinese { % if (is_in_chinese()) {
551         cap.no.address.zh % return cap_no_address_zh;
552     } { % } else {
553         cap.no.address.en % return cap_no_address_en;
554     } if$ % }
555 } % }
556 %
557 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
558 %
559 FUNCTION {cap.no.publisher} { % String Entry::cap_no_publisher() {
560     is.in.chinese { % if (is_in_chinese()) {
561         cap.no.publisher.zh % return cap_no_publisher_zh;
562     } { % } else {
563         cap.no.publisher.en % return cap_no_publisher_en;
564     } if$ % }
565 } % }
566 %
567 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
568 %
569 FUNCTION {cap.et.al} { % String Entry::cap_et_al() {
570     is.in.chinese { % if (is_in_chinese()) {
571         cap.et.al.zh % return cap_et_al_zh;
572     } { % } else {
573         cap.et.al.en % return cap_et_al_en;
574     } if$ % }
575 } % }
576 %
577 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
578 %
579 FUNCTION {cap.translate} { % String Entry::cap_translate() {
580     is.in.chinese { % if (is_in_chinese()) {
581         cap.translate.zh % return cap_translate_zh;
582     } { % } else {
583         cap.translate.en % return cap_translate_en;
584     } if$ % }
585 } % }
586 %
587 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
588 %
589 FUNCTION {format.bibinfo} { % String Entry::format_bibinfo(String info, Strin
590     swap$ add.brace swap$ % info = add_brace(info);
591     "\bib" swap$ * swap$ * % return "\bib" + type + info;

```

```

592 } % }
593 %
594 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
595 INTEGERS { nameindex namecount } % static int nameindex, namecount;
596 STRINGS { namelist nameformat } % static String namelist, nameformat;
597 STRINGS { firstname lastname jrname vonname} % static String firstname, lastname, jrname, vonname;

598 FUNCTION {format.names} { % String Entry::format_names(String names) {
599   'namelist := %   namelist = names;
600   namelist num.names$ 'namecount := %   namecount = num_names(namelist);
601   % "" %   String result = "";
602   "{" cap.et.al * "}" *
603   #0 'nameindex := %   nameindex = 0;
604   % {nameindex namecount < nameindex #3 < and} { %   while ((nameindex < namecount) && (nameindex < 3)) {
605   {nameindex namecount <} {
606     "{" *
607     nameindex #1 + 'nameindex := %   nameindex = nameindex + 1;
608     nameindex #1 > { %   if (nameindex > 1) {
609       cap.comma * %   result = result + cap_comma;
610     } 'skip$ if$ %   }
611     namelist nameindex "{vv}" format.name$ %   String tmp = format_name(namelist, nameindex, "{vv}");
612     'vonname := %   vonname = tmp;
613     namelist nameindex "{jj}" format.name$ %   tmp = format_name(namelist, nameindex, "{jj}");
614     remove.dots 'jrname := %   jrname = remove_dots(tmp);
615     namelist nameindex "{f}" format.name$ %   tmp = format_name(namelist, nameindex, "{f}");
616     remove.dots %   tmp = remove_dots(tmp);

617     <shenzhenbst> "u" change.case$ 'firstname := %   firstname = change_case(tmp, "u");
618     <bst> 'firstname := %   firstname = change_case(tmp, "u");
619     namelist nameindex "{ll}" format.name$ %   tmp = format_name(namelist, nameindex, "{ll}");

620     <shenzhenbst> "u" change.case$ 'lastname := %   lastname = change_case(tmp, "u");
621     <bst> 'lastname := %   lastname = change_case(tmp, "u");
622     jrname empty$ not { %   if (! empty(jrname)) {
623       jrname * " " * %   result = result + jrname + " "
624     } 'skip$ if$ %   }
625     vonname empty$ not { %   if (! empty(vonname)) {
626       vonname * " " * %   result = result + vonname + " "
627     } 'skip$ if$ %   }
628     lastname empty$ not { %   if (! empty(lastname)) {
629       lastname * " " * %   result = result + lastname + " "
630     } 'skip$ if$ %   }
631     firstname empty$ not { %   if (! empty(firstname)) {
632       firstname * " " * %   result = result + firstname + " "
633     } 'skip$ if$ %   }
634     trim.end %   result = trim_end(result);
635     "}" *
636   } while$ %   }
637   % nameindex namecount < { %   if (nameindex < namecount) {
638   %   cap.et.al * %   result = result + cap_et_al();
639   % } 'skip$ if$ %   }

```

```

640 } % }
641 %
642 %
643 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
644 % // format English names
645 FUNCTION {format.names.en} { % String Entry::format_names_en(String names) {
646   format.names %   format_names(names);
647 } % }
648 %
649 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
650 % // format Chinese names
651 FUNCTION {format.names.zh} { % String Entry::format_names_zh(String names) {
652   format.names %   format_names(names);
653 } % }
654 %
655 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
656 %
657 FUNCTION {format.author} { % String Emtry::format_author(String authors) {
658   is.in.chinese { %   if (is_in_chinese) {
659     format.names.zh %     authors = format_names_zh(authors);
660   } { %   } else {
661     format.names.en %     authors = format_names_en(authors);
662   } if$ %   }
663   "author" format.bibinfo %   return format_bibinfo(authors, "author");
664 } % }
665 %
666 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
667 %
668 FUNCTION {format.editor} { % String Emtry::format_author(String editors) {
669   is.in.chinese { %   if (is_in_chinese) {
670     format.names.zh %     editors = format_names_zh(editors);
671   } { %   } else {
672     format.names.en %     editors = format_names_en(editors);
673   } if$ %   }
674   "editor" format.bibinfo %   return format_bibinfo(editors, "editor");
675 } % }
676 %
677 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
678 %
679 FUNCTION {format.translator} { % String Emtry::format_translator(String translators) {
680   is.in.chinese { %   if (is_in_chinese) {
681     duplicate$ %     String names = translators;
682     format.names.zh %     translators = format_names_zh(translators);
683     swap$ num.names$ #3 > { %     if (num_names(names) > 3) {
684       cap.translate.zh * %       translators = translators + cap_translate
685     } { %     } else {
686       cap.comma * cap.translate.zh * %       translators = translators + cap_comma + c
687     } if$ %     }
688   } { %   } else {
689     duplicate$ %     String names = translators;

```

```

690     format.names.en           %      translators = format_names_en(translators);
691     swap$ num.names$ #3 > {    %      if (num_names(names) > 3) {
692         cap.translate.en *     %      translators = translators + cap_translate
693     } {                         %      } else {
694         cap.comma * cap.translate.en * %      translators = translators + cap_comma + c
695     } if$                       %      }
696 } if$                           %      }
697 "translator" format.bibinfo    %      return format_bibinfo(translator, "translator
698 }                                % }
699                                %
700 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
701                                %
702 FUNCTION {format.title} {      % String Emtry::format_title(String title) {
703     "title" format.bibinfo      %      return format_bibinfo(title, "title");
704 }                                % }
705                                %
706 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
707                                %
708 FUNCTION {format.booktitle} {  % String Emtry::format_booktitle(String booktitle
709     "booktitle" format.bibinfo  %      return format_bibinfo(booktitle, "booktitle");
710 }                                % }
711                                %
712 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
713                                %
714 FUNCTION {format.mark} {      % String Emtry::format_mark(String mark) {
715     <shenzhenbst> "\,[" swap$ * "]" * %      mark = "[" + mark + "]"
716     ";                          %
717     <bst> "[" swap$ * "]" *      %      mark = "[" + mark + "];
718     "mark" format.bibinfo      %      return format_bibinfo(mark, "mark");
719 }                                % }
720                                %
721                                %
722 FUNCTION {format.country} {    % String Emtry::format_country(String country) {
723     "country" format.bibinfo    %      return format_bibinfo(country, "country");
724 }                                % }
725                                %
726 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
727                                %
728 FUNCTION {format.patentid} {   % String Emtry::format_patentid(String patentid) {
729     "patentid" format.bibinfo   %      return format_bibinfo(patentid, "patentid");
730 }                                % }
731                                %
732 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
733                                %
734 FUNCTION {format.edition} {    % String Emtry::format_edition(String edition) {
735     duplicate$ is.number {      %      if (is_number(edition)) {
736         is.in.chinese {         %      if (is_in_chinese()) {
737             cap.edition.zh *    %      edition = edition + cap_edition_zh;

```

```

738     } {                                     %     } else {
739         num.to.ordinal.en cap.edition.en *   %         edition = num_to_ordinal_en(edition) + ca
740     } if$                                    %     }
741 } 'skip$ if$                                %     }
742                                             %     // use a \mbox{} to prevent line break withi
743 "\mbox{" swap$ * "}" *                     %     edition = "\mbox{" + edition + "}";
744 "edition" format.bibinfo                    %     return format_bibinfo(edition, "edition");
745 }                                             % }
746                                             %
747 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
748                                             %
749 FUNCTION {format.organization} {             % String Emtry::format_organization(String organi
750     "organization" format.bibinfo            %     return format_bibinfo(organization, "organiza
751 }                                             % }
752                                             %
753 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
754                                             %
755 FUNCTION {format.address} {                  % String Emtry::format_address(String address) {
756     "address" format.bibinfo                 %     return format_bibinfo(address, "address");
757 }                                             % }
758                                             %
759 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
760                                             %
761 FUNCTION {format.publisher} {                % String Emtry::format_publisher(String publisher
762     "publisher" format.bibinfo               %     return format_bibinfo(publisher, "publisher")
763 }                                             % }
764                                             %
765 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
766                                             %
767 FUNCTION {format.institution} {              % String Emtry::format_institution(String institu
768     "institution" format.bibinfo             %     return format_bibinfo(institution, "institut
769 }                                             % }
770                                             %
771 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
772                                             %
773 FUNCTION {format.school} {                   % String Emtry::format_school(String school) {
774     "school" format.bibinfo                  %     return format_bibinfo(school, "school");
775 }                                             % }
776                                             %
777 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
778                                             %
779 FUNCTION {format.year} {                     % String Emtry::format_year(String year) {
780     "year" format.bibinfo                    %     return format_bibinfo(year, "year");
781 }                                             % }
782                                             %
783 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
784                                             %
785 FUNCTION {format.date} {                     % String Emtry::format_date(String date) {
786     "date" format.bibinfo                    %     return format_bibinfo(date, "date");
787 }                                             % }

```

```

788                                     %
789 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
790                                     %
791 FUNCTION {format.journal} {          % String Emtry::format_journal(String journal) {
792   "journal" format.bibinfo          %   return format_bibinfo(journal, "journal");
793 }                                    % }
794                                     %
795 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
796                                     %
797 FUNCTION {format.volume} {          % String Emtry::format_volume(String volume) {
798   "volume" format.bibinfo          %   return format_bibinfo(volume, "volume");
799 }                                    % }
800                                     %
801 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
802                                     %
803 FUNCTION {format.number} {          % String Emtry::format_number(String number) {
804   add.bracket                       %   number = add_bracket(number);
805   "number" format.bibinfo          %   return format_bibinfo(number, "number");
806 }                                    % }
807                                     %
808 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
809                                     %
810 FUNCTION {format.report.number} {    % String Emtry::format_report_number(String number) {
811   "number" format.bibinfo          %   return format_bibinfo(number, "number");
812 }                                    % }
813                                     %
814 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
815                                     %
816 FUNCTION {format.version} {          % String Emtry::format_version(String version) {
817   "version" format.bibinfo          %   return format_bibinfo(version, "version");
818 }                                    % }
819                                     %
820 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
821                                     %
822 FUNCTION {format.pages} {            % String Emtry::format_pages(String pages) {
823   "pages" format.bibinfo            %   return format_bibinfo(pages, "pages");
824 }                                    % }
825                                     %
826 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
827                                     %
828 FUNCTION {format.modifydate} {       % String Emtry::format_modifydate(String modifydate) {
829   add.bracket                       %   modifydate = add_bracket(modifydate);
830   "modifydate" format.bibinfo       %   return format_bibinfo(modifydate, "modifydate");
831 }                                    % }
832                                     %
833 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
834                                     %
835 FUNCTION {format.citedate} {         % String Emtry::format_citedate(String citedate) {
836   add.squarebracket                 %   citedate = add_squarebracket(citedate);
837   "citedate" format.bibinfo         %   return format_bibinfo(citedate, "citedate");

```

```

838 } % }
839 %
840 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
841 %
842 % // NOTE: do not use the format_bibinfo() for UR
843 % // since if the URL contains special symbols su
844 % // as '%', the \biburl{} will be broken.
845 FUNCTION {format.url} { % String Entry::format_url(String url) {
846   "\url{" swap$ * "}" * %   return "\url{" + url + "};
847 } % }
848 %
849 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
850 %
851 FUNCTION {get.full.title} { % String Entry::get_full_title() {
852   series empty$ { %   if (empty(this.series)) {
853     volume empty$ { %   if (empty(this.volume)) {
854       title %   return this.title;
855     } { %   } else {
856       title cap.colon * cap.volume * volume * %   return this.title + cap_colon + cap_vol
857     } if$ %   }
858   } { %   } else {
859     volume empty$ { %   if (empty(this.volume)) {
860       series cap.colon * title * %   return this.series + cap_colon + this.t
861     } { %   } else {
862       series cap.comma * cap.volume * volume * %   String str = this.series + cap_comma +
863       cap.colon * title * %   return str + cap_colon + this.title;
864     } if$ %   }
865   } if$ %   }
866 } % }
867 %
868 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
869 %
870 FUNCTION {get.full.booktitle} { % String Entry::get_full_booktitle() {
871   series empty$ { %   if (empty(this.series)) {
872     volume empty$ { %   if (empty(this.volume)) {
873       booktitle %   return this.booktitle;
874     } { %   } else {
875       booktitle cap.colon * cap.volume * volume * %   return this.booktitle + cap_colon + cap
876     } if$ %   }
877   } { %   } else {
878     volume empty$ { %   if (empty(this.volume)) {
879       series cap.colon * booktitle * %   return this.series + cap_colon + this.b
880     } { %   } else {
881       series cap.comma * cap.volume * volume * %   String str = this.series + cap_comma +
882       cap.colon * booktitle * %   return str + cap_colon + this.booktitle
883     } if$ %   }
884   } if$ %   }
885 } % }
886 %
887 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

```

```

888                                     %
889 FUNCTION {get.pages} {               % String Entry::get_pages() {
890   pages contain.dash {               %   if (contain_dash(this.pages)) {
891     pages extract.before.first.dash %     String p1 = extract_before_first_dash(this.
892     pages extract.after.last.dash   %     String p2 = extract_after_last_dash(this.pa
893     cap.dash swap$ * *               %     return p1 + cap_dash + p2;
894   } {                                 %   } else {
895     pages                            %     return this.pages;
896   } if$                              %   }
897 }                                    % }
898                                     %
899 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
900                                     %
901 FUNCTION {output.author.or.editor} { % void Entry::output_author_or_editor(int require
902   'required :=                       %   this.required = required;
903   author empty$ not {               %   if (! empty(this.author)) {
904     author format.author write$     %     write(format_author(this.author));
905     cap.period write$               %     write(cap_period);
906   } {                               %   } else {
907     editor empty$ not {             %     if (! empty(this.editor)) {
908       editor format.editor write$   %       write(format_editor(this.editor));
909       cap.period write$             %       write(cap_period);
910     } {                             %     } else {
911       required {                   %       if (required == 1) {
912         "Require author/editor: " cite$ * warning$ %       warning("Require author/editor: " + thi
913         cap.anonymous format.author write$ %       write(format_author(cap_anonymous()));
914         cap.period write$           %       write(cap_period);
915       } 'skip$ if$                 %     }
916     } if$                          %   }
917   } if$                             % }
918 }                                    % }
919                                     %
920 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
921                                     %
922 FUNCTION {output.author} {           % void Entry::output_author(int required) {
923   'required :=                       %   this.required = required;
924   author empty$ not {               %   if (! empty(this.author)) {
925     author format.author write$     %     write(format_author(this.author));
926     cap.period write$               %     write(cap_period);
927   } {                               %   } else {
928     required {                     %     if (required == 1) {
929       "Require author: " cite$ * warning$ %       warning("Require author: " + this.cite);
930       cap.anonymous format.author write$ %       write(format_author(cap_anonymous()));
931       cap.period write$             %       write(cap_period);
932     } 'skip$ if$                   %     }
933   } if$                             %   }
934 }                                    % }
935                                     %
936 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
937                                     %

```

```

938 FUNCTION {output.editor} {
939   'required :=
940   editor empty$ not {
941     editor format.editor write$
942     cap.period write$
943   } {
944     required {
945       "Require editor: " cite$ * warning$
946       cap.anonymous format.editor write$
947       cap.period write$
948     } 'skip$ if$
949   } if$
950 }
951
952 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
953
954 FUNCTION {output.title} {
955   'required :=
956   title empty$ not {
957     title format.title write$
958   } {
959     required {
960       "Require title: " cite$ * warning$
961     } 'skip$ if$
962   } if$
963 }
964
965 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
966
967 FUNCTION {output.series.volume.title} {
968   'required :=
969   title empty$ not {
970     get.full.title format.booktitle write$
971   } {
972     required {
973       "Require title: " cite$ * warning$
974     } 'skip$ if$
975   } if$
976 }
977
978 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
979
980 FUNCTION {output.series.volume.booktitle} {
981   'required :=
982   booktitle empty$ not {
983     get.full.booktitle format.booktitle write$
984   } {
985     required {
986       "Require booktitle: " cite$ * warning$
987     } 'skip$ if$

```

```

% void Entry::output_editor(int required) {
%   this.required = required;
%   if (! empty(this.editor)) {
%     write(format_editor(this.editor));
%     write(cap_period);
%   } else {
%     if (required == 1) {
%       warning("Require editor: " + this.cite);
%       write(format_editor(cap_anonymous()));
%       write(cap_period);
%     }
%   }
% }
%
% void Entry::output_title(int required) {
%   this.required = required;
%   if (! empty(this.title)) {
%     write(format_title(this.title));
%   } else {
%     if (required == 1) {
%       warning("Require title: " + this.cite);
%     }
%   }
% }
%
% void Entry::output_series_volume_title(int required) {
%   this.required = required;
%   if (! empty(this.title)) {
%     write(format_booktitle(get_full_title()));
%   } else {
%     if (required == 1) {
%       warning("Require title: " + this.cite);
%     }
%   }
% }
%
% void Entry::output_series_volume_booktitle(int required) {
%   this.required = required;
%   if (! empty(this.booktitle)) {
%     write(format_booktitle(get_full_booktitle()));
%   } else {
%     if (required == 1) {
%       warning("Require booktitle: " + this.cite);
%     }
%   }
% }

```

```

988 } if$ % }
989 } % }
990 %
991 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
992 %
993 FUNCTION {output.journal} { % void Entry::output_journal(int required) {
994   'required := % this.required = required;
995   journal empty$ not { % if (! empty(this.journal)) {
996     cap.period write$ % write(cap_period);
997     journal format.journal write$ % write(format_journal(this.journal));
998   } { % } else {
999     required { % if (required == 1) {
1000       "Require journal: " cite$ * warning$ % warning("Require journal: " + this.cite);
1001     } 'skip$ if$ % }
1002   } if$ % }
1003 } % }
1004 %
1005 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1006 %
1007 FUNCTION {output.mark} { % void Entry::output_mark(int required) {
1008   'required := % this.required = required;
1009   mark empty$ not { % if (! empty(this.mark)) {
1010     mark format.mark write$ % write(format_mark(this.mark));
1011   } { % } else {
1012     required { % if (required == 1) {
1013       "Require mark: " cite$ * warning$ % warning("Require mark: " + this.cite);
1014     } 'skip$ if$ % }
1015   } if$ % }
1016 } % }
1017 %
1018 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1019 %
1020 FUNCTION {output.translator} { % void Entry::output_translator(int required) {
1021   'required := % this.required = required;
1022   translator empty$ not { % if (! empty(this.translator)) {
1023     cap.period write$ % write(cap_period);
1024     translator format.translator write$ % write(format_translator(this.translator));
1025   } { % } else {
1026     required { % if (required == 1) {
1027       "Require translator: " cite$ * warning$ % warning("Require translator: " + this.cite);
1028     } 'skip$ if$ % }
1029   } if$ % }
1030 } % }
1031 %
1032 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1033 %
1034 FUNCTION {output.edition} { % void Entry::output_edition(int required) {
1035   'required := % this.required = required;
1036   edition empty$ not { % if (! empty(this.edition)) {
1037     cap.period write$ % write(cap_period);

```

```

1038     edition format.edition write$           %    write(format_edition(this.edition));
1039 } {                                           % } else {
1040     required {                               %    if (required == 1) {
1041         "Require edition: " cite$ * warning$ %        warning("Require edition: " + this.cite);
1042     } 'skip$ if$                             %    }
1043 } if$                                         % }
1044 }                                             % }
1045                                             %
1046 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1047                                             %
1048 FUNCTION {output.address} {                  % void Entry::output_address(int required) {
1049     'required :=                             %    this.required = required;
1050     address empty$ not {                     %    if (! empty(this.address)) {
1051         cap.period write$                    %        write(cap_period);
1052         address format.address write$        %        write(format_address(this.address));
1053     } {                                       %    } else {
1054         required {                           %        if (required == 1) {
1055             "Require address: " cite$ * warning$ %            warning("Require address: " + this.cite);
1056             cap.period write$                 %            write(cap_period);
1057             cap.no.address format.address write$ %            write(format_address(cap_no_address()));
1058         } 'skip$ if$                         %        }
1059     } if$                                     %    }
1060 }                                             % }
1061                                             %

1062 <shenzhenbst>
1063 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1064 FUNCTION {output.inproaddress} {             % void Entry::output_inproaddress(int required) {
1065     'required :=                             %    this.required = required;
1066     address empty$ not {                     %    if (! empty(this.address)) {
1067         cap.comma write$                     %        write(cap_comma);
1068         address format.address write$        %        write(format_address(this.address));
1069     } {                                       %    } else {
1070         required {                           %        if (required == 1) {
1071             "Require address: " cite$ * warning$ %            warning("Require address: " + this.cite);
1072             cap.comma write$                  %            write(cap_comma);
1073             cap.no.address format.address write$ %            write(format_address(cap_no_address()));
1074         } 'skip$ if$                         %        }
1075     } if$                                     %    }
1076 }                                             % }
1077                                             %

1078 </shenzhenbst>
1079 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1080                                             %
1081 FUNCTION {output.publisher} {                % void Entry::output_publisher(int required) {
1082     'required :=                             %    this.required = required;
1083     publisher empty$ not {                   %    if (! empty(this.publisher)) {
1084         cap.colon write$                     %        write(cap_colon);
1085         publisher format.publisher write$    %        write(format_publisher(this.publisher));
1086     } {                                       %    } else {

```

```

1087     required {                                %    if (required == 1) {
1088         "Require publisher: " cite$ * warning$ %        warning("Require publisher: " + this.cite
1089         cap.colon write$                        %        write(cap_colon);
1090         cap.no.publisher format.publisher write$ %        write(format_publisher(cap_no_publisher())
1091     } 'skip$ if$                                %    }
1092 } if$                                           %    }
1093 }                                               % }
1094                                               %
1095 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1096                                               %
1097 FUNCTION {output.publisher.no.address} {        % void Entry::output_publisher_no_address(int req
1098     'required :=                                %    this.required = required;
1099     publisher empty$ not {                      %    if (! empty(this.publisher)) {
1100         cap.period write$                      %        write(cap_period);
1101         publisher format.publisher write$       %        write(format_publisher(this.publisher));
1102     } {                                          %    } else {
1103         required {                              %        if (required == 1) {
1104             "Require publisher: " cite$ * warning$ %            warning("Require publisher: " + this.cite
1105             cap.period write$                  %            write(cap_period);
1106             cap.no.publisher format.publisher write$ %            write(format_publisher(cap_no_publisher())
1107         } 'skip$ if$                            %        }
1108     } if$                                       %    }
1109 }                                               % }
1110                                               %
1111 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1112                                               %
1113 FUNCTION {output.school} {                    % void Entry::output_school(int required) {
1114     'required :=                                %    this.required = required;
1115     school empty$ not {                       %    if (! empty(this.school)) {
1116         cap.colon write$                      %        write(cap_colon);
1117         school format.school write$           %        write(format_school(this.school));
1118     } {                                          %    } else {
1119         required {                              %        if (required == 1) {
1120             "Require school: " cite$ * warning$ %            warning("Require publisher: " + this.cite
1121             cap.colon write$                  %            write(cap_colon);
1122             cap.no.publisher format.school write$ %            write(format_school(cap_no_publisher()));
1123         } 'skip$ if$                            %        }
1124     } if$                                       %    }
1125 }                                               % }
1126                                               %
1127 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1128                                               %
1129 FUNCTION {output.institution} {               % void Entry::output_institution(int required) {
1130     'required :=                                %    this.required = required;
1131     institution empty$ not {                  %    if (! empty(this.institution)) {
1132         cap.colon write$                      %        write(cap_colon);
1133         institution format.institution write$ %        write(format_publisher(this.institution));
1134     } {                                          %    } else {
1135         required {                              %        if (required == 1) {
1136             "Require institution: " cite$ * warning$ %            warning("Require institution: " + this.ci

```

```

1137         cap.colon write$ % write(cap_colon);
1138         cap.no.publisher format.institution write$ % write(format_institution(cap_no_publisher
1139     } 'skip$ if$ % }
1140 } if$ % }
1141 } % }
1142 %
1143 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1144 %
1145 FUNCTION {output.year} { % void Entry::output_year(int required) {
1146     'required := % this.required = required;
1147     year empty$ not { % if (! empty(this.year)) {
1148         year format.year write$ % write(format_year(this.year));
1149     } { % } else {
1150         required { % if (required == 1) {
1151             "Require year: " cite$ * warning$ % warning("Require year: " + this.cite);
1152         } 'skip$ if$ % }
1153     } if$ % }
1154 } % }
1155 %
1156 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1157 %
1158 FUNCTION {output.pages} { % void Entry::output_pages(int required) {
1159     'required := % this.required = required;
1160     pages empty$ not { % if (! empty(this.pages)) {
1161         cap.colon write$ % write(cap_colon);
1162         get.pages format.pages write$ % write(format_pages(get_pages()));
1163     } { % } else {
1164         required { % if (required == 1) {
1165             "Require pages: " cite$ * warning$ % warning("Require pages: " + this.cite);
1166         } 'skip$ if$ % }
1167     } if$ % }
1168 } % }
1169 %
1170 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1171 %
1172 FUNCTION {output.modifydate} { % void Entry::output_modifydate(int required) {
1173     'required := % this.required = required;
1174     modifydate empty$ not { % if (! empty(this.modifydate)) {
1175         cap.space write$ % write(cap_space);
1176         modifydate format.modifydate write$ % write(format_modifydate(this.modifydate));
1177     } { % } else {
1178         required { % if (required == 1) {
1179             "Require modifydate: " cite$ * warning$ % warning("Require modifydate: " + this.cit
1180         } 'skip$ if$ % }
1181     } if$ % }
1182 } % }
1183 %
1184 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1185 %
1186 FUNCTION {output.citedate} { % void Entry::output_citedate(int required) {

```

```

1187 'required :=                                %   this.required = required;
1188 citedate empty$ not {                        %   if (! empty(this.citedate)) {
1189     cap.space write$                          %       write(cap_space);
1190     citedate format.citedate write$          %       write(format_citedate(this.citedate));
1191 } {                                           %   } else {
1192     required is.online or {                  %       if ((required == 1) || (is_online())) {
1193         "Require citedate: " cite$ * warning$ %           warning("Require citedate: " + this.cite);
1194     } 'skip$ if$                             %       }
1195 } if$                                        %   }
1196 }                                           % }
1197                                           %
1198 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1199                                           %
1200 FUNCTION {output.date} {                    % void Entry::output_date(int required) {
1201     'required :=                             %   this.required = required;
1202     date empty$ not {                       %   if (! empty(this.date)) {
1203         date format.date write$             %       write(format_date(this.date));
1204     } {                                     %   } else {
1205         required {                          %       if (required == 1) {
1206             "Require date: " cite$ * warning$ %           warning("Require date: " + this.cite);
1207         } 'skip$ if$                        %       }
1208     } if$                                  %   }
1209 }                                           % }
1210                                           %
1211 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1212                                           %
1213 FUNCTION {output.volume} {                  % void Entry::output_volume(int required) {
1214     'required :=                             %   this.required = required;
1215     volume empty$ not {                     %   if (! empty(this.volume)) {
1216         cap.comma write$                    %       write(cap_comma);
1217         volume format.volume write$         %       write(format_volume(this.volume));
1218     } {                                     %   } else {
1219         required {                          %       if (required == 1) {
1220             "Require volume: " cite$ * warning$ %           warning("Require volume: " + this.cite);
1221         } 'skip$ if$                        %       }
1222     } if$                                  %   }
1223 }                                           % }
1224                                           %
1225 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1226                                           %
1227 FUNCTION {output.number} {                  % void Entry::output_number(int required) {
1228     'required :=                             %   this.required = required;
1229     number empty$ not {                     %   if (! empty(this.number)) {
1230         number format.number write$         %       write(format_number(this.number));
1231     } {                                     %   } else {
1232         required {                          %       if (required == 1) {
1233             "Require number: " cite$ * warning$ %           warning("Require number: " + this.cite);
1234         } 'skip$ if$                        %       }
1235     } if$                                  %   }
1236 }                                           % }

```

```

1237                                     %
1238 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1239                                     %
1240 FUNCTION {output.report.number} {      % void Entry::output_report_number(int required)
1241     'required :=                      %   this.required = required;
1242     number empty$ not {               %   if (! empty(this.number)) {
1243         cap.colon write$              %       write(cap_colon);
1244         number format.report.number write$ %       write(format_report_number(this.number));
1245     } {                               %   } else {
1246         required {                    %       if (required == 1) {
1247             "Require number: " cite$ * warning$ %           warning("Require number: " + this.cite);
1248         } 'skip$ if$                  %       }
1249     } if$                             %   }
1250 }                                     % }
1251                                     %
1252 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1253                                     %
1254 FUNCTION {output.country} {           % void Entry::output_country(int required) {
1255     'required :=                      %   this.required = required;
1256     country empty$ not {              %   if (! empty(this.country)) {
1257         cap.colon write$              %       write(cap_colon);
1258         country format.country write$ %       write(format_country(this.country));
1259     } {                               %   } else {
1260         required {                    %       if (required == 1) {
1261             "Require country: " cite$ * warning$ %           warning("Require country: " + this.cite);
1262         } 'skip$ if$                  %       }
1263     } if$                             %   }
1264 }                                     % }
1265                                     %
1266 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1267                                     %
1268 FUNCTION {output.patentid} {          % void Entry::output_patentid(int required) {
1269     'required :=                      %   this.required = required;
1270     patentid empty$ not {             %   if (! empty(this.patentid)) {
1271         cap.comma write$              %       write(cap_comma);
1272         patentid format.patentid write$ %       write(format_patentid(this.patentid));
1273     } {                               %   } else {
1274         required {                    %       if (required == 1) {
1275             "Require patentid: " cite$ * warning$ %           warning("Require patentid: " + this.cite);
1276         } 'skip$ if$                  %       }
1277     } if$                             %   }
1278 }                                     % }
1279                                     %
1280 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1281                                     %
1282 FUNCTION {output.start.year} {        % void Entry::output_start_year(int required) {
1283     'required :=                      %   this.required = required;
1284     year empty$ not {                 %   if (! empty(this.year)) {
1285         year extract.before.first.dash %       String str = extract_before_first_dash(this
1286         format.year write$            %       write(format_year(str));

```

```

1287 } { % } else {
1288     required { % if (required == 1) {
1289         "Require year: " cite$ * warning$ % warning("Require year: " + this.cite);
1290     } 'skip$ if$ % }
1291 } if$ % }
1292 } % }
1293 %
1294 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1295 %
1296 FUNCTION {output.start.volume} { % void Entry::output_start_volume(int required) {
1297     'required := % this.required = required;
1298     volume empty$ not { % if (! empty(this.volume)) {
1299         cap.comma write$ % write(cap_comma);
1300         volume extract.before.first.dash % String str = extract_before_first_dash(this
1301         format.volume write$ % write(format_volume(str));
1302     } { % } else {
1303         required { % if (required == 1) {
1304             "Require volume: " cite$ * warning$ % warning("Require volume: " + this.cite);
1305         } 'skip$ if$ % }
1306     } if$ % }
1307 } % }
1308 %
1309 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1310 %
1311 FUNCTION {output.start.number} { % void Entry::output_start_number(int required) {
1312     'required := % this.required = required;
1313     number empty$ not { % if (! empty(this.number)) {
1314         number extract.before.first.dash % String str = extract_before_first_dash(this
1315         format.number write$ % write(format_number(str));
1316     } { % } else {
1317         required { % if (required == 1) {
1318             "Require number: " cite$ * warning$ % warning("Require number: " + this.cite);
1319         } 'skip$ if$ % }
1320     } if$ % }
1321 } % }
1322 %
1323 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1324 %
1325 FUNCTION {output.end.year} { % void Entry::output_end_year(int required) {
1326     'required := % this.required = required;
1327     year empty$ not { % if (! empty(this.year)) {
1328         year extract.after.last.dash % String str = extract_after_last_dash(this.y
1329         format.year write$ % write(format_year(str));
1330     } { % } else {
1331         required { % if (required == 1) {
1332             "Require year: " cite$ * warning$ % warning("Require year: " + this.cite);
1333         } 'skip$ if$ % }
1334     } if$ % }
1335 } % }
1336 %

```

```

1337 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1338                                     %
1339 FUNCTION {output.end.volume} {      % void Entry::output_end_volume(int required) {
1340   'required :=                      %   this.required = required;
1341   volume empty$ not {              %   if (! empty(this.volume)) {
1342     cap.comma write$                %     write(cap_comma);
1343     volume extract.after.last.dash %     String str = extract_after_last_dash(this.v
1344     format.volume write$            %     write(format_volume(str));
1345   } {                               %   } else {
1346     required {                      %     if (required == 1) {
1347       "Require volume: " cite$ * warning$ %       warning("Require volume: " + this.cite);
1348     } 'skip$ if$                    %     }
1349   } if$                             %   }
1350 }                                   % }
1351                                     %
1352 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1353                                     %
1354 FUNCTION {output.end.number} {      % void Entry::output_end_number(int required) {
1355   'required :=                      %   this.required = required;
1356   number empty$ not {              %   if (! empty(this.number)) {
1357     number extract.after.last.dash %     String str = extract_after_last_dash(this.n
1358     format.number write$            %     write(format_number(str));
1359   } {                               %   } else {
1360     required {                      %     if (required == 1) {
1361       "Require number: " cite$ * warning$ %       warning("Require number: " + this.cite);
1362     } 'skip$ if$                    %     }
1363   } if$                             %   }
1364 }                                   % }
1365                                     %
1366 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1367                                     %
1368 FUNCTION {output.url.or.doi} {      % void Entry::output_url_or_doi(int required) {
1369   'required :=                      %   this.required = required;
1370   url empty$ not {                 %   if (! empty(this.url)) {
1371     cap.period write$              %     write(cap_period);
1372     url format.url write$          %     write(format_url(this.url));
1373   } {                               %   } else {
1374     doi empty$ not {               %     if (! empty(this.doi)) {
1375       cap.period write$            %       write(cap_period);
1376       cap.doi.url doi * format.url write$ %       write(format_url(cap_doi_url + this.doi))
1377     } {                             %     } else {
1378       required {                  %       if (required == 1) {
1379         "Require URL or DOI: " cite$ * warning$ %         warning("Require URL or DOI: " + this.c
1380       } 'skip$ if$                %       }
1381     } if$                          %     }
1382   } if$                             %   }
1383 }                                   % }
1384                                     %
1385 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1386                                     %

```

```

1387 FUNCTION {output.url} {
1388   'required :=
1389   url empty$ not {
1390     cap.period write$
1391     url format.url write$
1392   } {
1393     required {
1394       "Require URL: " cite$ * warning$
1395     } 'skip$ if$
1396   } if$
1397 }
1398
1399 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1400
1401 FUNCTION {output.version} {
1402   'required :=
1403   version empty$ not {
1404     cap.period write$
1405     version format.version write$
1406   } {
1407     required {
1408       "Require version: " cite$ * warning$
1409     } 'skip$ if$
1410   } if$
1411 }
1412
1413 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1414
1415 FUNCTION {book.impl} {
1416   start.bibitem
1417   true output.author.or.editor
1418   true output.series.volume.title
1419   true output.mark
1420   false output.translator
1421   false output.edition
1422   publisher empty$ not {
1423     true output.address
1424     true output.publisher
1425     cap.comma write$
1426   } {
1427     cap.period write$
1428   } if$
1429   true output.year
1430   false output.pages
1431   false output.citedate
1432   false output.url.or.doi
1433   end.bibitem
1434 }
1435
1436 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

```

```

% void Entry::output_url(int required) {
%   this.required = required;
%   if (! empty(this.url)) {
%     write(cap_period);
%     write(format_url(this.url));
%   } else {
%     if (required == 1) {
%       warning("Require URL: " + this.cite);
%     }
%   }
% }
%
%
% void Entry::output_version(int required) {
%   this.required = required;
%   if (! empty(this.version)) {
%     write(cap_period);
%     write(format_version(this.version));
%   } else {
%     if (required == 1) {
%       warning("Require version: " + this.cite);
%     }
%   }
% }
%
%
% void Entry::book_impl() {
%   start_bibitem();
%   output_author_or_editor(true);
%   output_series_volume_title(true);
%   output_mark(true);
%   output_translator(false);
%   output_edition(false);
%   if (! empty(this.publisher)) {
%     output_address(true);
%     output_publisher(true);
%     write(cap_comma);
%   } else {
%     write(cap_period);
%   }
%   output_year(true);
%   output_pages(false);
%   output_citedate(false);
%   output_url_or_doi(false);
%   end_bibitem();
% }
%
%
%

```

```

1437                                     %
1438 FUNCTION {book} {                                     % void Entry::book() {
1439     "M" set.mark                                     %   set_mark("M");
1440     book.impl                                         %   book_impl();
1441 }                                                     % }
1442                                                     %
1443 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1444                                                     %
1445 FUNCTION {collection} {                               % void Entry::collection() {
1446     "G" set.mark                                     %   set_mark("G");
1447     book.impl                                         %   book_impl();
1448 }                                                     % }
1449                                                     %
1450 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1451                                                     %
1452 FUNCTION {proceedings} {                             % void Entry::proceedings() {
1453     "C" set.mark                                     %   set_mark("C");
1454     start.bibitem                                     %   start_bibitem();
1455     true output.editor                               %   output_editor(true);
1456     true output.series.volume.title                 %   output_series_volume_title(true);
1457     true output.mark                                 %   output_mark(true);
1458     false output.translator                         %   output_translator(false);
1459     false output.edition                             %   output_edition(false);
1460     publisher empty$ not {                           %   if (! empty(this.publisher)) {
1461         true output.address                         %       output_address(true);
1462         true output.publisher                       %       output_publisher(true);
1463         cap.comma write$                             %       write(cap_comma);
1464     } {                                               %   } else {
1465         cap.period write$                           %       write(cap_period);
1466     } if$                                           %   }
1467     true output.year                                 %   output_year(true);
1468     false output.pages                             %   output_pages(false);
1469     false output.citedate                           %   output_citedate(false);
1470     false output.url.or.doi                         %   output_url_or_doi(false);
1471     end.bibitem                                     %   end_bibitem();
1472 }                                                     % }
1473                                                     %
1474 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1475                                                     %
1476 FUNCTION {conference} {                             % void Entry::conference() {
1477     proceedings                                       %   proceedings();
1478 }                                                     % }
1479                                                     %
1480 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1481                                                     %
1482 FUNCTION {thesis.impl} {                             % void Entry::thesis_impl() {
1483     start.bibitem                                     %   start_bibitem();
1484     true output.author                               %   output_author(true);
1485     true output.title                               %   output_title(true);
1486     true output.mark                                 %   output_mark(true);

```

```

1487 false output.translator           % output_translator(false);
1488 true output.address                % output_address(true);
1489 true output.school                  % output_school(true);
1490 cap.comma write$                    % write(cap_comma);
1491 true output.year                    % output_year(true);
1492 false output.pages                  % output_pages(false);
1493 false output.citedate               % output_citedate(false);
1494 false output.url.or.doi             % output_url_or_doi(false);
1495 end.bibitem                         % end_bibitem();
1496 }                                  % }
1497                                   %
1498 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1499                                   %
1500 FUNCTION {phdthesis} {               % void Entry::phdthesis() {
1501   "D" set.mark                       %   set_mark("D");
1502   thesis.impl                        %   thesis_impl();
1503 }                                    % }
1504                                   %
1505 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1506 <*bst>
1507                                   %
1508 FUNCTION {masterthesis} {           % void Entry::masterthesis() {
1509   "D" set.mark                       %   set_mark("D");
1510   thesis.impl                        %   thesis_impl();
1511 }                                    % }
1512                                   %
1513 </bst>

```

此处添加 mastersthesis Entry

```

1514 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1515                                   %
1516 FUNCTION {mastersthesis} {           % void Entry::mastersthesis() {
1517   "D" set.mark                       %   set_mark("D");
1518   thesis.impl                        %   thesis_impl();
1519 }                                    % }
1520                                   %
1521 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1522                                   %
1523 FUNCTION {bachelorthesis} {          % void Entry::bachelorthesis() {
1524   "D" set.mark                       %   set_mark("D");
1525   thesis.impl                        %   thesis_impl();
1526 }                                    % }
1527                                   %
1528 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1529                                   %
1530 FUNCTION {techreport} {              % void Entry::techreport() {
1531   "R" set.mark                       %   set_mark("R");
1532   start.bibitem                     %   start_bibitem();
1533   true output.author                %   output_author(true);
1534   true output.title                 %   output_title(true);

```

```

1535 false output.report.number           % output_report_number(false);
1536 true output.mark                      % output_mark(true);
1537 false output.translator               % output_translator(false);
1538 false output.edition                  % output_edition(false);
1539 false output.version                  % output_version(false);
1540 institution empty$ not {              % if (! empty(this.institution)) {
1541     true output.address                % output_address(true);
1542     true output.institution            % output_institution(true);
1543     cap.comma write$                  % write(cap_comma);
1544 } {                                     % } else {
1545     cap.period write$                 % write(cap_period);
1546 } if$                                  % }
1547 true output.year                      % output_year(true);
1548 false output.pages                    % output_pages(false);
1549 false output.citedate                  % output_citedate(false);
1550 false output.url.or.doi                % output_url_or_doi(false);
1551 end.bibitem                           % end_bibitem();
1552 }                                     % }
1553                                       %
1554 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1555                                       %
1556 FUNCTION {standard} {                 % void Entry::standard() {
1557     "S" set.mark                       % set_mark("S");
1558     start.bibitem                      % start_bibitem();
1559     true output.author                 % output_author(true);
1560     true output.title                  % output_title(true);
1561     true output.mark                   % output_mark(true);
1562     false output.translator            % output_translator(false);
1563     false output.edition               % output_edition(false);
1564     publisher empty$ not {             % if (! empty(this.publisher)) {
1565         true output.address             % output_address(true);
1566         true output.publisher           % output_publisher(true);
1567         cap.comma write$               % write(cap_comma);
1568     } {                                 % } else {
1569         cap.period write$              % write(cap_period);
1570     } if$                              % }
1571     true output.year                   % output_year(true);
1572     false output.pages                 % output_pages(false);
1573     false output.citedate              % output_citedate(false);
1574     false output.url.or.doi            % output_url_or_doi(false);
1575     end.bibitem                       % end_bibitem();
1576 }                                     % }
1577                                       %
1578 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1579                                       %
1580 FUNCTION {reference} {                 % void Entry::reference() {
1581     "K" set.mark                       % set_mark("K");
1582     start.bibitem                      % start_bibitem();
1583     false output.author.or.editor      % output_author_or_editor(false);
1584     true output.series.volume.title    % output_series_volume_title(true);

```

```

1585 true output.mark % output_mark(true);
1586 false output.translator % output_translator(false);
1587 false output.edition % output_edition(false);
1588 publisher empty$ not { % if (! empty(this.publisher)) {
1589     true output.address % output_address(true);
1590     true output.publisher % output_publisher(true);
1591     cap.comma write$ % write(cap_comma);
1592 } { % } else {
1593     cap.period write$ % write(cap_period);
1594 } if$ % }
1595 true output.year % output_year(true);
1596 false output.pages % output_pages(false);
1597 false output.citedate % output_citedate(false);
1598 false output.url.or.doi % output_url_or_doi(false);
1599 end.bibitem % end_bibitem();
1600 } % }
1601 %
1602 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1603 %
1604 FUNCTION {manual} { % void Entry::manual() {
1605     reference % reference();
1606 } % }
1607 %
1608 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1609 %
1610 FUNCTION {periodical.impl} { % void Entry::periodical_impl() {
1611     start.bibitem % start_bibitem();
1612     false output.editor % output_editor(false);
1613     true output.title % output_title(true);
1614     true output.mark % output_mark(true);
1615     cap.period write$ % write(cap_period);
1616     true output.start.year % output_start_year(true);
1617     false output.start.volume % output_start_volume(false);
1618     false output.start.number % output_start_number(false);
1619     cap.dash write$ % write(cap_dash);
1620     year contain.dash { % if (contain_dash(this.year)) {
1621         true output.end.year % output_end_year(true);
1622         false output.end.volume % output_end_volume(false);
1623         false output.end.number % output_end_number(false);
1624     } 'skip$ if$ % }
1625     publisher empty$ not { % if (! empty(this.publisher)) {
1626         true output.address % output_address(true);
1627         true output.publisher % output_publisher(true);
1628         cap.comma write$ % write(cap_comma);
1629     } { % } else {
1630         cap.period write$ % write(cap_period);
1631     } if$ % }
1632     true output.start.year % output_start_year(true);
1633     cap.dash write$ % write(cap_dash);
1634     year contain.dash { % if (contain_dash(this.year)) {

```

```

1635     true output.end.year           %    output_end_year(true);
1636 } 'skip$ if$                       %    }
1637 false output.citedate              %    output_citedate(false);
1638 false output.url.or.doi            %    output_url_or_doi(false);
1639 end.bibitem                        %    end_bibitem();
1640 }                                  % }
1641                                  %
1642 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1643                                  %
1644 FUNCTION {periodical} {            % void Entry::periodical() {
1645     "J" set.mark                    %    set_mark("J");
1646     periodical.impl                 %    periodical_impl();
1647 }                                  % }
1648                                  %
1649 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1650                                  %
1651 FUNCTION {newspaper} {             % void Entry::newspaper() {
1652     "N" set.mark                    %    set_mark("N");
1653     periodical.impl                 %    periodical_impl();
1654 }                                  % }
1655                                  %
1656 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1657                                  %
1658 FUNCTION {patent} {                % void Entry::patent() {
1659     "P" set.mark                    %    set_mark("P");
1660     start.bibitem                   %    start_bibitem();
1661     true output.author              %    output_author(true);
1662     true output.title               %    output_title(true);
1663     true output.country             %    output_country(true);
1664     true output.patentid            %    output_patentid(true);
1665     true output.mark                %    output_mark(true);
1666     cap.period write$               %    write(cap_period);
1667     true output.date                %    output_date(true);
1668     false output.citedate           %    output_citedate(false);
1669     false output.url.or.doi         %    output_url_or_doi(false);
1670     end.bibitem                     %    end_bibitem();
1671 }                                  % }
1672                                  %
1673 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1674                                  %
1675 FUNCTION {online} {                % void Entry::online() {
1676     "EB" set.mark                   %    set_mark("EB");
1677     start.bibitem                   %    start_bibitem();
1678     false output.author             %    output_author(false);
1679     true output.title               %    output_title(true);
1680     true output.mark                %    output_mark(true);
1681     publisher empty$ not {          %    if (! empty(this.publisher)) {
1682         address empty$ not {        %        if (! empty(this.address)) {
1683             true output.address     %            output_address(true);
1684             true output.publisher   %            output_publisher(true);

```

```

1685         cap.comma write$                                %         write(cap_comma);
1686     } {                                                  %     } else {
1687         true output.publisher.no.address                  %         output_publisher_no_address(true);
1688         cap.comma write$                                %         write(cap_comma);
1689     } if$                                                %     }
1690 } {                                                      % } else {
1691     cap.period write$                                    %     write(cap_period);
1692 } if$                                                    % }
1693 true output.year                                         % output_year(true);
1694 false output.modifydate                                  % output_modifydate(false);
1695 true output.citedate                                     % output_citedate(true);
1696 true output.url                                          % output_url(true);
1697 end.bibitem                                              % end_bibitem();
1698 }                                                        % }
1699                                                         %
1700 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1701                                                         %
1702 FUNCTION {webpage} {                                     % void Entry::online() {
1703     online                                                %     online();
1704 }                                                        % }
1705                                                         %
1706 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1707                                                         %
1708 FUNCTION {program.impl} {                                % void Entry::program_impl() {
1709     start.bibitem                                         %     start_bibitem();
1710     false output.author                                  %     output_author(false);
1711     true output.title                                     %     output_title(true);
1712     true output.mark                                      %     output_mark(true);
1713     publisher empty$ not {                                %     if (! empty(this.publisher)) {
1714         true output.address                               %         output_address(true);
1715         true output.publisher                             %         output_publisher(true);
1716         cap.comma write$                                  %         write(cap_comma);
1717     } {                                                  %     } else {
1718         cap.period write$                                %         write(cap_period);
1719     } if$                                                %     }
1720 true output.year                                         % output_year(true);
1721 false output.citedate                                    % output_citedate(false);
1722 false output.url.or.doi                                  % output_url_or_doi(false);
1723 end.bibitem                                              % end_bibitem();
1724 }                                                        % }
1725                                                         %
1726 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1727                                                         %
1728 FUNCTION {program} {                                     % void Entry::program() {
1729     "CP" set.mark                                         %     set_mark("CP");
1730     program.impl                                          %     program_impl();
1731 }                                                        % }
1732                                                         %
1733 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1734                                                         %

```

```

1735 FUNCTION {database} {                                % void Entry::database() {
1736   "DB" set.mark                                         %   set_mark("DB");
1737   program.impl                                          %   program_impl();
1738 }                                                         % }
1739                                                         %
1740 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1741                                                         %
1742 FUNCTION {unpublished} {                                % void Entry::unpublished() {
1743   "H" set.mark                                           %   set_mark("H");
1744   start.bibitem                                          %   start_bibitem();
1745   true output.author                                    %   output_author(true);
1746   true output.title                                     %   output_title(true);
1747   true output.mark                                       %   output_mark(true);
1748   cap.period write$                                     %   write(cap_period);
1749   true output.year                                       %   output_year(true);
1750   false output.citedate                                 %   output_citedate(false);
1751   false output.url.or.doi                               %   output_url_or_doi(false);
1752   end.bibitem                                           %   end_bibitem();
1753 }                                                         % }
1754                                                         %
1755 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1756                                                         %
1757 FUNCTION {manuscript} {                                  % void Entry::manuscript() {
1758   unpublished                                           %   unpublished();
1759 }                                                         % }
1760                                                         %
1761 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1762                                                         %
1763 FUNCTION {inbook.impl} {                                % void Entry::inbook_impl() {
1764   start.bibitem                                          %   start_bibitem();
1765   true output.author                                    %   output_author(true);
1766   true output.title                                     %   output_title(true);
1767   true output.mark                                       %   output_mark(true);
1768   false output.translator                               %   output_translator(false);
1769   cap.double.slash write$                               %   write(cap_double_slash);
1770   false output.editor                                   %   output_editor(false);
1771   true output.series.volume.booktitle                   %   output_series_volume_booktitle(true);
1772   false output.edition                                  %   output_edition(false);
1773   publisher empty$ not {                                %   if (! empty(this.publisher)) {
1774     true output.address                                  %     output_address(true);
1775     true output.publisher                               %     output_publisher(true);
1776     cap.comma write$                                    %     write(cap_comma);
1777   } {                                                    %   } else {
1778     cap.period write$                                   %     write(cap_period);
1779   } if$                                                  %   }
1780   true output.year                                       %   output_year(true);
1781   false output.pages                                    %   output_pages(false);
1782   false output.citedate                                 %   output_citedate(false);
1783   false output.url.or.doi                               %   output_url_or_doi(false);
1784   end.bibitem                                           %   end_bibitem();

```

```

1785 } % }
1786 %
1787 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1788 (*shenzhenbst)
1789 %
1790 FUNCTION {inproceedings.impl} { % void Entry::inproceedings_impl() {
1791   start.bibitem % start_bibitem();
1792   true output.author % output_author(true);
1793   true output.title % output_title(true);
1794   true output.mark % output_mark(true);
1795   false output.translator % output_translator(false);
1796   cap.double.slash write$ % write(cap_double_slash);
1797   false output.editor % output_editor(false);
1798   true output.series.volume.booktitle % output_series_volume_booktitle(true);
1799   false output.edition % output_edition(false);
1800   publisher empty$ not { % if (! empty(this.publisher)) {
1801     true output.inproaddress % output_inproaddress(true);
1802     true output.publisher % output_publisher(true);
1803     cap.comma write$ % write(cap_comma);
1804   } { % } else {
1805     true output.inproaddress % output_inproaddress(true);
1806     cap.comma write$ % write(cap_comma);
1807   } if$ % }
1808   true output.year % output_year(true);
1809   false output.pages % output_pages(false);
1810   false output.citedate % output_citedate(false);
1811   false output.url.or.doi % output_url_or_doi(false);
1812   end.bibitem % end_bibitem();
1813 } % }
1814 %
1815 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1816 (/shenzhenbst)
1817 %
1818 FUNCTION {inbook} { % void Entry::inbook() {
1819   "M" set.mark % set_mark("M");
1820   inbook.impl % inbook_impl();
1821 } % }
1822 %
1823 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1824 %
1825 FUNCTION {incollection} { % void Entry::incollection() {
1826   "G" set.mark % set_mark("G");
1827   inbook.impl % inbook_impl();
1828 } % }
1829 %
1830 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1831 %
1832 FUNCTION {inproceedings} { % void Entry::inproceedings() {
1833   "C" set.mark % set_mark("C");

```

```

1834 <shenzhenbst> inproceedings.impl % inproceedings_impl();
1835 <bst> inbook.impl % inbook_impl();
1836 } % }
1837 %
1838 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1839 %
1840 FUNCTION {article} { % void Entry::article() {
1841   "J" set.mark % set_mark("J");
1842   start.bibitem % start_bibitem();
1843   true output.author % output_author(true);
1844   true output.title % output_title(true);
1845   true output.mark % output_mark(true);
1846   true output.journal % output_journal(true);
1847   cap.comma write$ % write(cap_comma);
1848   true output.year % output_year(true);
1849   false output.volume % output_volume(false);
1850   false output.number % output_number(false);
1851   false output.pages % output_pages(false);
1852   false output.citedate % output_citedate(false);
1853   false output.url.or.doi % output_url_or_doi(false);
1854   end.bibitem % end_bibitem();
1855 } % }
1856 %
1857 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1858 %
1859 FUNCTION {news} { % void Entry::news() {
1860   "N" set.mark % set_mark("N");
1861   start.bibitem % start_bibitem();
1862   true output.author % output_author(true);
1863   true output.title % output_title(true);
1864   true output.mark % output_mark(true);
1865   true output.journal % output_journal(true);
1866   cap.comma write$ % write(cap_comma);
1867   true output.date % output_date(true);
1868   false output.number % output_number(false);
1869   false output.citedate % output_citedate(false);
1870   false output.url.or.doi % output_url_or_doi(false);
1871   end.bibitem % end_bibitem();
1872 } % }
1873 %
1874 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1875 %
1876 FUNCTION {default.type} { % void Entry::default_type() {
1877   "Unsupported entry type for " cite$ * warning$ % warning("Unsupported entry type for " + this.
1878 } % }
1879 %
1880 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1881 %
1882 FUNCTION {longest.label.pass} { % void longest_label_pass(Entry entry) {
1883   entry.count #1 + 'entry.count := % entry_count = entry_count + 1;

```

```

1884 entry.count int.to.str$ 'label := % this.label = int_to_str(entry_count);
1885 label width$ longest.label.width > { % if (width(this.label) > longest_label_width)
1886     label 'longest.label := % longest_label = this.label;
1887     label width$ 'longest.label.width := % longest_label_width = width(this.label);
1888 } 'skip$ if$ % }
1889 } % }
1890 %
1891 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1892 %
1893 FUNCTION {write.style.commands} { % void write_style_commands() {
1894     cmd.bibauthor write$ % write(cmd_bibauthor);
1895     newline$ % writeln();
1896     cmd.bibeditor write$ % write(cmd_bibeditor);
1897     newline$ % writeln();
1898     cmd.bibtranslator write$ % write(cmd_bibtranslator);
1899     newline$ % writeln();
1900     cmd.bibttitle write$ % write(cmd_bibttitle);
1901     newline$ % writeln();
1902     cmd.bibbooktitle write$ % write(cmd_bibbooktitle);
1903     newline$ % writeln();
1904     cmd.bibjournal write$ % write(cmd_bibjournal);
1905     newline$ % writeln();
1906     cmd.bibmark write$ % write(cmd_bibmark);
1907     newline$ % writeln();
1908     cmd.bibcountry write$ % write(cmd_bibcountry);
1909     newline$ % writeln();
1910     cmd.bibpatentid write$ % write(cmd_bibpatentid);
1911     newline$ % writeln();
1912     cmd.bibedition write$ % write(cmd_bibedition);
1913     newline$ % writeln();
1914     cmd.biborganization write$ % write(cmd_biborganization);
1915     newline$ % writeln();
1916     cmd.bibaddress write$ % write(cmd_bibaddress);
1917     newline$ % writeln();
1918     cmd.bibpublisher write$ % write(cmd_bibpublisher);
1919     newline$ % writeln();
1920     cmd.bibinstitution write$ % write(cmd_bibinstitution);
1921     newline$ % writeln();
1922     cmd.bibschool write$ % write(cmd_bibschool);
1923     newline$ % writeln();
1924     cmd.bibvolume write$ % write(cmd_bibvolume);
1925     newline$ % writeln();
1926     cmd.bibnumber write$ % write(cmd_bibnumber);
1927     newline$ % writeln();
1928     cmd.bibversion write$ % write(cmd_bibversion);
1929     newline$ % writeln();
1930     cmd.bibpages write$ % write(cmd_bibpages);
1931     newline$ % writeln();
1932     cmd.bibmodifydate write$ % write(cmd_bibmodifydate);
1933     newline$ % writeln();

```

```

1934 cmd.bibcitedate write$ % write(cmd_bibcitedate);
1935 newline$ % writeln();
1936 cmd.bibyear write$ % write(cmd_bibyear);
1937 newline$ % writeln();
1938 cmd.bibdate write$ % write(cmd_bibdate);
1939 newline$ % writeln();
1940 cmd.biburl write$ % write(cmd_biburl);
1941 newline$ % writeln();
1942 } % }
1943 %
1944 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1945 %
1946 FUNCTION {begin.bib} { % void begin_bib() {
1947   preamble$ empty$ not { % if (! empty(preamble)) {
1948     preamble$ write$ % write(preamble);
1949     newline$ % writeln();
1950   } 'skip$ if$ % }
1951   env.bibbegin write$ % write(env_bibbegin);
1952   "{" longest.label * "}" * write$ % write "{" + longest.label + "}";
1953   newline$ % writeln();
1954   write.style.commands % write_style_commands();
1955 } % }
1956 %
1957 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1958 %
1959 FUNCTION {end.bib} { % void end_bib() {
1960   newline$ % writeln();
1961   env.bibend write$ % write(env_bibend);
1962   newline$ % writeln();
1963 } % }
1964 %
1965 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1966 %
1967 FUNCTION {initialize} { % void initialize() {
1968   #0 'entry.count := % entry_count = 0;
1969   #0 'longest.label.width := % longest_label_width = 0;
1970   "" 'longest.label := % longest_label = "";
1971 } % }
1972 %
1973 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
1974 %
1975 % void main() {
1976 READ % List<Entry> entryList = read("<file>.bib");
1977 EXECUTE {initialize} % initialize();
1978 ITERATE {longest.label.pass} % for (Entry entry : entryList) {
1979 % longest_label_pass(entry);
1980 % }
1981 EXECUTE {begin.bib} % begin_bib();
1982 ITERATE {call.type$} % for (Entry entry : entryList) {
1983 % switch (typeof(entry)) {

```

```

1984 % case "book":
1985 %     entry.book();
1986 %     break;
1987 % case "article":
1988 %     entry.article();
1989 %     break;
1990 %     .
1991 %     .
1992 %     .
1993 % case "incollection":
1994 %     entry.incollection();
1995 %     break;
1996 % case "misc":
1997 %     entry.misc();
1998 %     break;
1999 % default:
2000 %     entry.default_type();
2001 % }
2002 % }
2003 EXECUTE {end.bib} % end_bib();
2004 % }
2005 %
2006 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2007 </bst | shenzhenbst>

```

我工要求的索引格式。

```

2008 <*ist>
2009 headings_flag 1
2010 heading_prefix "{\\vskip -\\baselineskip\\centering\\normalsize\\textbf{"
2011 heading_suffix "\\}\\par}\\\\nopagebreak\\\\wuhao\\n"
2012 delim_0 "\\hspace*{\\fill}"
2013 delim_1 "\\hspace*{\\fill}"
2014 </ist>
2015 <bookcls | artcls | artpluscls>\\NeedsTeXFormat{LaTeX2e}[2023/06/01]
2016 <bookcls>\\ProvidesExplClass{hithesisbook}{2026/10/11}{v3.2a}{Harbin Institute of Technology Thesis T
2017 <artcls>\\ProvidesExplClass{hithesisart}{2026/10/11}{v3.2a}{Harbin Institute of Technology Thesis Temp
2018 <artpluscls>\\ProvidesExplClass{hithesisartplus}{2026/10/11}{v3.2a}{Harbin Institute of Technology Thesi
2019 <bookcfg>\\ProvidesExplFile{hithesisbook.cfg}{2026/10/11}{v3.2a}{Harbin Institute of Technology Thesi
2020 <artcfg>\\ProvidesExplFile{hithesisart.cfg}{2026/10/11}{v3.2a}{Harbin Institute of Technology Thesis T
2021 <hithesis-style>\\ProvidesExplPackage{hithesis}{2026/10/11}{v3.2a}{Harbin Institute of Technology Thesis
2022 <*artpluscls | artcls | bookcls>
2023 \\RequirePackage{expl3,l3keys2e}
2024
2025 % Original command names remain at the document/package boundary.
2026 \\tl_const:Ne \\c__hit_class_name_tl {\\@currname}
2027 \\cs_new_protected:Npn \\__hit_measure_width:Nn #1#2
2028 {
2029     \\hbox_set:Nn \\l__hit_measure_box {\\color@setgroup #2\\color@endgroup}
2030     \\dim_set:Nn #1 {\\box_wd:N \\l__hit_measure_box}
2031 }

```

```

2032 \box_new:N \l__hit_measure_box
2033 \cs_new:Npn \__hit_month_name:n #1
2034 {
2035     \int_case:nn {#1}
2036     {
2037         {1} {January} {2} {February} {3} {March} {4} {April}
2038         {5} {May} {6} {June} {7} {July} {8} {August}
2039         {9} {September} {10} {October} {11} {November} {12} {December}
2040     }
2041 }
2042 \cs_new_protected:Npn \__hit_bool_set_true:n #1
2043 {\bool_set_true:c {l__hit_#1_bool}
2044  \cs_set_eq:cN {ifhit@#1} \if_true:}
2045 \cs_new_protected:Npn \__hit_bool_set_false:n #1
2046 {\bool_set_false:c {l__hit_#1_bool}
2047  \cs_set_eq:cN {ifhit@#1} \if_false:}
2048 \cs_new_protected:Npn \__hit_bool_select:n #1
2049 {
2050     \cs_if_exist:cTF {l__hit_#1_bool}
2051     {\__hit_bool_set_true:n {#1}}
2052     {\use:c {hit@#1true}}
2053 }
2054 \cs_new_protected:Npn \__hit_bool_set:nn #1#2
2055 {\str_if_eq:eeTF {#2} {true}
2056  {\__hit_bool_set_true:n {#1}} {\__hit_bool_set_false:n {#1}}}
2057 \cs_new_protected:Npn \__hit_bool_declare:n #1
2058 {
2059     \bool_new:c {l__hit_#1_bool}
2060     \cs_new_eq:cN {ifhit@#1} \if_false:
2061     \cs_new_protected:cpn {hit@#1true}
2062     {\__hit_bool_set_true:n {#1}}
2063     \cs_new_protected:cpn {hit@#1false}
2064     {\__hit_bool_set_false:n {#1}}
2065 }
2066 \cs_new_protected:Npn \__hit_key_define:nnn #1#2#3
2067 {\keys_define:nn {#1} {#2 .code:n = {#3}}}
2068 \cs_new_protected:Npn \__hit_bool_option:nn #1#2
2069 {
2070     \__hit_bool_declare:n {#2}
2071     \keys_define:nn {hit}
2072     {
2073         #2 .choices:nn = {true,false}
2074         {\__hit_bool_set:nn {#2} {\l_keys_choice_tl}},
2075         #2 / unknown .code:n =
2076         {\ClassWarning{c__hit_class_name_tl}
2077          {Value~`##1'~is~not~supported~by~option~`#2'}},
2078         #2 .default:n = true,
2079         #2 .initial:n = #1
2080     }
2081 }

```

```

2082\cs_new_protected:Npn \__hit_string_option_declare:n #1
2083 {
2084   \tl_new:c {l__hit_option_#1_tl}
2085   \cs_new:cpn {hit@#1} {\tl_use:c {l__hit_option_#1_tl}}
2086   \keys_define:nn {hit}
2087     {#1 .code:n = {\tl_set:cn {l__hit_option_#1_tl} {##1}}}
2088 }
2089\cs_new_protected:Npn \__hit_class_options_process:n #1
2090 {
2091   \keys_define:nn {hit}
2092   {
2093     unknown .code:n =
2094       {\exp_args:Ne \PassOptionsToClass
2095         {\l_keys_key_str
2096           \quark_if_no_value:nF {##1} {=\exp_not:n {##1}}}} {#1}}
2097   }
2098   \ProcessKeysOptions {hit}
2099   \keys_define:nn {hit}
2100     {unknown .code:n = {\msg_error:nxxx {keys} {unknown}
2101       {hit/\l_keys_key_str} {hit}}}}
2102 }
2103\cs_new_protected:Npn \__hit_setup:nn #1#2 {\keys_set:nn {#1} {#2}}
2104\cs_new:Npn \__hit_bool_p:n #1 {\bool_if_p:c {l__hit_#1_bool}}
2105\cs_new:Npn \__hit_bool_if:nTF #1 {\bool_if:cTF {l__hit_#1_bool}}
2106\cs_new:Npn \__hit_bool_expr:nTF #1 {\bool_if:nTF {#1}}
2107\tl_new:N \l__hit_compare_a_tl
2108\tl_new:N \l__hit_compare_b_tl
2109\cs_new_protected:Npn \__hit_text_if_equal:nnTF #1#2#3#4
2110 {
2111   \group_begin:
2112     % Original titles contain robust LaTeX commands such as hspace.
2113     % Preserve them during comparison, just as ifthen's equal did.
2114     \protected@edef \l__hit_compare_a_tl {#1}
2115     \protected@edef \l__hit_compare_b_tl {#2}
2116     \tl_if_eq:NNTF \l__hit_compare_a_tl \l__hit_compare_b_tl
2117       {\group_end: #3} {\group_end: #4}
2118 }
2119\cs_new_eq:NN \__hit_engine_if_xetex:TF \sys_if_engine_xetex:TF
2120% Metadata is owned by token-list variables. Original hit@ names read exported
2121% values at the document/package boundary, retaining their non-long meaning.
2122\tl_const:Nn \c__hit_info_prefix_tl {hit@}
2123\prop_new:N \g__hit_info_exports_prop
2124\cs_new_protected:Npn \__hit_info_export:n #1
2125 {
2126   \cs_gset_nopar:cpe {\c__hit_info_prefix_tl #1}
2127   {\exp_not:v {g__hit_info_#1_tl}}
2128   \exp_args:NNe \prop_gput:Nnn \g__hit_info_exports_prop
2129     {\c__hit_info_prefix_tl #1} {g__hit_info_#1_tl}
2130 }
2131\cs_new_protected:Npn \__hit_info_set:nn #1#2

```

```

2132 {
2133     \tl_if_exist:cF {g__hit_info_#1_tl}
2134     {\tl_new:c {g__hit_info_#1_tl}}
2135     \tl_gset:cn {g__hit_info_#1_tl} {#2}
2136     \__hit_info_export:n {#1}
2137 }
2138 \cs_new_protected:Npn \__hit_info_define:nn #1#2
2139 {
2140     \cs_gset_nopar:cpn {#1} ##1
2141     {\__hit_info_set:nn {#2} {##1}}
2142     \use:c {#1} {}
2143 }
2144 \cs_new_protected:Npn \__hit_info_declare:n #1
2145 {
2146     \keys_define:nn {hit}
2147     {#1 .code:n = {\use:c {#1} {##1}}}
2148     \__hit_info_define:nn {#1} {#1}
2149 }
2150 % Fixed vocabulary follows the declaration-table refactor from ee0fa6b.
2151 % The family is internal; the public flat hitsetup key set is unchanged.
2152 \prop_new:N \g__hit_terms_prop
2153 \tl_new:N \l__hit_term_scope_tl
2154 \cs_new_protected:Npn \__hit_term_store:nn #1#2
2155 {
2156     \str_case:Vn \l__hit_term_scope_tl
2157     {
2158         {global}
2159         {\prop_gput:Nnn \g__hit_terms_prop {#1} {#2}
2160          \cs_gset_nopar:cpn {hit@#1} {#2}}
2161         {global-long}
2162         {\prop_gput:Nnn \g__hit_terms_prop {#1} {#2}
2163          \cs_gset:cpn {hit@#1} {#2}}
2164         {local}
2165         {\prop_put:Nnn \g__hit_terms_prop {#1} {#2}
2166          \cs_set_nopar:cpn {hit@#1} {#2}}
2167         {local-long}
2168         {\prop_put:Nnn \g__hit_terms_prop {#1} {#2}
2169          \cs_set:cpn {hit@#1} {#2}}
2170         {new}
2171         {\prop_put:Nnn \g__hit_terms_prop {#1} {#2}
2172          \cs_new:cpn {hit@#1} {#2}}
2173         {new-nopar}
2174         {\prop_put:Nnn \g__hit_terms_prop {#1} {#2}
2175          \cs_new_nopar:cpn {hit@#1} {#2}}
2176     }
2177 }
2178 \keys_define:nn {hit/internal/terms}
2179 {
2180     unknown .code:n =
2181     {\exp_args:NV \__hit_term_store:nn \l_keys_key_str {#1}}

```

```

2182 }
2183 \cs_new_protected:Npn \__hit_terms_set:nn #1#2
2184 {
2185   \tl_set:Nn \l__hit_term_scope_tl {#1}
2186   \keys_set:nn {hit/internal/terms} {#2}
2187 }
2188 \cs_new:Npn \__hit_term:n #1
2189 { \exp_args:Ne \use:n { \prop_item:Nn \g__hit_terms_prop {#1} } }
2190 \seq_new:N \l__hit_keywords_seq
2191 \tl_new:N \l__hit_keywords_input_tl
2192 \cs_new_protected:Npn \__hit_keywords_join:NNnnn #1#2#3#4#5
2193 {
2194   \seq_set_split_keep_spaces:Nnn #1 {,} {#4}
2195   \seq_map_inline:Nn #1
2196   {
2197     \tl_if_empty:NF #2 { \tl_gput_right:Nn #2 {#3} }
2198     \bool_if:nTF {#5}
2199       { \tl_gput_right:Ne #2 { \tl_trim_spaces:n {##1} } }
2200       { \tl_gput_right:Nn #2 {##1} }
2201   }
2202 }
2203 \cs_generate_variant:Nn \__hit_keywords_join:NNnnn {Nc, NcnV, NcV}
2204 \cs_new_protected:Npn \__hit_keywords_append:nn #1#2
2205 {
2206   \tl_set:No \l__hit_keywords_input_tl {#2}
2207   \tl_if_empty:NF \l__hit_keywords_input_tl
2208   {
2209     \__hit_keywords_join:NcnVn
2210     \l__hit_keywords_seq {g__hit_info_#1_tl}
2211     { \ignorespaces \use:c {hit@#1@separator} }
2212     \l__hit_keywords_input_tl { \c_false_bool }
2213   }
2214   \__hit_info_export:n {#1}
2215 }
2216 \cs_new_protected:Npn \__hit_keywords_declare:n #1
2217 {
2218   \keys_define:nn {hit} {#1 .code:n = { \use:c {#1} {##1} } }
2219   \tl_new:c {g__hit_info_#1_tl}
2220   \__hit_info_export:n {#1}
2221   \cs_gset_nopar:cpn {#1} ##1 { \__hit_keywords_append:nn {#1} {##1} }
2222 }
2223 % Apply the shared-hyperlink wiseref setup using the original class names/terms.
2224 \cs_new:Npn \__hit_wiseref_gap:
2225 { \cs_if_exist:cT {l__hit_english_bool}
2226   { \bool_if:cT {l__hit_english_bool} { \nobreakspace } } }
2227 \cs_new:Npn \__hit_wiseref_algorithm_name:
2228 { \cs_if_exist:NTF \algorithmcfname { \algorithmcfname }
2229   { \cs_if_exist:cTF {l__hit_english_bool}
2230     { \bool_if:cTF {l__hit_english_bool} { Algorithm } { 算法 } } { 算法 } } }
2231 \cs_new:Npn \__hit_wiseref_listing_name:

```

```

2232 {\cs_if_exist:NTF \lstlistingname {\lstlistingname}
2233   {\cs_if_exist:cTF {l__hit_english_bool}
2234     {\bool_if:cTF {l__hit_english_bool} {Listing} {代码}} {代码}}}
2235 \cs_new_protected:Npn \__hit_wiseref_setup:
2236 {
2237   \RequirePackage {wiseref} [2026/10/10]
2238   \cs_if_exist:cTF {l__hit_english_bool}
2239     {\wiserefsetup{lang={\bool_if:cTF{l__hit_english_bool}{en}{zh}}}}
2240     {\wiserefsetup{lang=zh}}
2241   \wiserefsetup{
2242     figure={prefix={\figurename\_hit_wiseref_gap:},suffix={}},
2243     subfigure={prefix={\figurename\_hit_wiseref_gap:},suffix={}},
2244     table={prefix={\tablename\_hit_wiseref_gap:},suffix={}},
2245     subtable={prefix={\tablename\_hit_wiseref_gap:},suffix={}},
2246     appendix={prefix={\appendixname\_hit_wiseref_gap:},suffix={}},
2247     algocf={prefix={\_hit_wiseref_algorithm_name:\_hit_wiseref_gap:},suffix={}},
2248     lstlisting={prefix={\_hit_wiseref_listing_name:\_hit_wiseref_gap:},suffix={}}
2249   }
2250   \cs_if_exist:NTF \equationname
2251     {\wiserefsetup{equation={prefix={\equationname\_hit_wiseref_gap:},suffix={},
2252       number-format={\textup{##1}}}}}
2253     {\wiserefsetup{equation={prefix={式},suffix={},number-format={\textup{##1}}}}}
2254   }
2255 \AddToHook {class/hithesisbook/after} [hithesis/wiseref] {\__hit_wiseref_setup:}
2256 \AddToHook {class/hithesisart/after} [hithesis/wiseref] {\__hit_wiseref_setup:}
2257 \AddToHook {class/hithesisartplus/after} [hithesis/wiseref] {\__hit_wiseref_setup:}
2258
2259 </artpluscls | artcls | bookcls>

```

TikZ 裸输入与 etoolbox 宏体重扫描集中使用普通 catcode；模板主体保持 expl3。

```

2260 <artpluscls | bookcls>\ExplSyntaxOff
2261 <*artpluscls>
2262 \csname cs_new_protected:Npn\endcsname \hit@legacy@patch@a{\ExplSyntaxOff
2263 \usetikzlibrary{calc}
2264 \ExplSyntaxOn}
2265 </artpluscls>
2266 <*bookcls>
2267 \csname cs_new_protected:Npn\endcsname \hit@legacy@patch@b{\ExplSyntaxOff
2268 \patchcmd{\NAT@citexnum}{\def@NAT@last@yr{-\NAT@penalty}}
2269 {%
2270   \ifx\NAT@last@yr\relax
2271     \def@NAT@last@yr{\citea}%
2272   \else
2273     \def@NAT@last@yr{-\NAT@penalty}%
2274   \fi
2275 }%
2276 {\typeout{Use comma between neighboring citations}}}%
2277 {\ClassError{hithesisbook}{fail to patch \NAT@citexnum}{}}
2278 \ExplSyntaxOn}
2279 </bookcls>

```

```

2280 <*bookcls>
2281 \csname cs_new_protected:Npn\endcsname \hit@legacy@patch@c{\ExplSyntaxOff
2282 \pretocmd{\@makefnmark}{\let\@makefnmark\hit@@makefnmark}{-}{-}
2283 \ExplSyntaxOn}
2284 </bookcls>
2285 <*bookcls>
2286 \csname cs_new_protected:Npn\endcsname \hit@legacy@patch@d{\ExplSyntaxOff
2287 \apptocmd{\@makefnmark}{\let\@makefnmark\hit@makefnmark}{-}{-}
2288 \ExplSyntaxOn}
2289 </bookcls>
2290 <*bookcls>
2291 \csname cs_new_protected:Npn\endcsname \hit@legacy@patch@e{\ExplSyntaxOff
2292 \patchcmd{\@dottedtocline}{##4}{\csname hit@toc@font\endcsname ##4}{-}{-}
2293 \ExplSyntaxOn}
2294 </bookcls>
2295 <*bookcls>
2296 \csname cs_new_protected:Npn\endcsname \hit@legacy@patch@f{\ExplSyntaxOff
2297 \patchcmd{\@dottedtocline}{\hb@xt@{\pnumwidth}{\hbox}{-}{-}
2298 \ExplSyntaxOn}
2299 </bookcls>
2300 <*bookcls>
2301 \csname cs_new_protected:Npn\endcsname \hit@legacy@patch@g{\ExplSyntaxOff
2302 \patchcmd\NAT@citexnum{%
2303   \@ifnum{\NAT@cotype=\z@}{%
2304     \if*##2*\else\NAT@cmt##2\fi
2305   }{-}%
2306   \NAT@mbox{\NAT@@close}%
2307 }{-}%
2308   \NAT@mbox{\NAT@@close}%
2309   \@ifnum{\NAT@cotype=\z@}{%
2310     \if*##2*\else\textsuperscript{##2}\fi
2311   }{-}%
2312 }{-}{-}
2313 \ExplSyntaxOn}
2314 </bookcls>
2315 <*bookcls>
2316 \csname cs_new_protected:Npn\endcsname \hit@legacy@patch@h{\ExplSyntaxOff
2317 \patchcmd{\NAT@citex}{%
2318   \if*##2*\else\NAT@cmt##2\fi
2319   \if\relax\NAT@date\relax\else\NAT@@close\fi
2320 }{-}%
2321   \if\relax\NAT@date\relax\else\NAT@@close\fi
2322   \if*##2*\else\textsuperscript{##2}\fi
2323 }{-}{-}
2324 \ExplSyntaxOn}
2325 </bookcls>
2326 <artpluscls | bookcls>\ExplSyntaxOn
2327 % %%%%%%%%%%%
2328 % artpluscls
2329 % %%%%%%%%%%%

```

2330 <*artpluscls>

处理文档类选项

2331

2332 %% 处理文档类选项

2333 _hit_bool_declare:n{bachelor}

2334 _hit_bool_declare:n{master}

2335 _hit_bool_declare:n{doctor}

2336 _hit_key_define:nnn{hit}{type}{%

2337 _hit_bool_set_false:n {bachelor}

2338 _hit_bool_set_false:n {master}

2339 _hit_bool_set_false:n {doctor}

2340 _hit_bool_select:n {#1}

2341 }

2342

2343 _hit_bool_declare:n{shenzhen}

2344 _hit_bool_declare:n{weihai}

2345 _hit_bool_declare:n{harbin}

2346 _hit_key_define:nnn{hit}{campus}{%

2347 _hit_bool_set_false:n {shenzhen}

2348 _hit_bool_set_false:n {weihai}

2349 _hit_bool_set_false:n {harbin}

2350 _hit_bool_select:n {#1}

2351 }

2352 \bool_if:cTF {l_hit_weihai_bool} {\relax} {

2353 \bool_if:cTF {l_hit_shenzhen_bool} {\relax} {

2354 _hit_bool_set_true:n {harbin}

2355 }

2356 }

2357

2358 _hit_bool_declare:n{opening}

2359 _hit_bool_declare:n{midterm}

2360 _hit_key_define:nnn{hit}{stage}{%

2361 _hit_bool_set_false:n {opening}

2362 _hit_bool_set_false:n {midterm}

2363 _hit_bool_select:n {#1}

2364 }

2365

2366

2367 \bool_new:N \g_bib_authorupper_bool

2368 \bool_set_false:N \g_bib_authorupper_bool

2369 _hit_key_define:nnn{hit}{bibauthorupper}{%

2370 \str_if_eq:nnT {#1} {full} {

2371 \bool_set_true:N \g_bib_authorupper_bool

2372 }

2373 }

2374

2375 \int_new:N \g_bib_maxauthor_int

2376 \int_set:Nn \g_bib_maxauthor_int {3}

2377 _hit_key_define:nnn{hit}{bibmaxauthor}{%

```

2378 \int_set:Nn \g_bib_maxauthor_int {#1}
2379 \int_if_zero:nT {\g_bib_maxauthor_int} {
2380   \int_gdecr:N \g_bib_maxauthor_int
2381 }
2382 }
2383
2384 \str_new:N \g_bib_labelalign_str
2385 \__hit_key_define:nnn{hit}{biblabelalign}{%
2386   \str_set:Nn \g_bib_labelalign_str {#1}
2387 }
2388
2389
2390 \__hit_string_option_declare:n{fontset}
2391 \PassOptionsToPackage{no-math}{fontspec}
2392
2393 \__hit_class_options_process:n{ctexart}
2394
2395 \bool_if:cTF {l__hit_bachelor_bool} {\relax} {
2396   \bool_if:cTF {l__hit_master_bool} {\relax} {
2397     \bool_if:cTF {l__hit_doctor_bool} {\relax} {
2398       \ClassError{hithesisartplus}{%
2399         \MessageBreak Please~specify~thesis~type~in~option:~
2400         \MessageBreak type=[bachelor~|~master~|~doctor]~
2401       }~
2402     }
2403   }
2404 }
2405
2406 \bool_if:cTF {l__hit_opening_bool} {\relax} {
2407   \bool_if:cTF {l__hit_midterm_bool} {\relax} {
2408     \ClassError{hithesisartplus}{%
2409       \MessageBreak Please~specify~stage~in~option:~
2410       \MessageBreak stage=<opening|midterm>~
2411     }~
2412   }
2413 }
2414
2415 \bool_if:cTF {l__hit_doctor_bool} {
2416   \bool_if:cTF {l__hit_midterm_bool} {
2417     \bool_if:cTF {l__hit_shenzhen_bool} {
2418       \relax
2419     } {
2420       \ClassError{hithesisartplus}{%
2421         \MessageBreak This~document~class~only~support~midterm~report~for~doctor~
2422         in~shenzhen~campus~
2423       }~
2424     }
2425   } {
2426     \ClassError{hithesisartplus}{%
2427       \MessageBreak This~document~class~only~support~midterm~report~for~doctor~

```

```

2428 in~shenzhen~campus~
2429 }~
2430 }
2431 } {
2432 \ClassError{hithesisartplus}{%
2433 \MessageBreak This~document~class~only~support~midterm~report~for~doctor~
2434 in~shenzhen~campus~
2435 }~
2436 }
2437
2438 \RequirePackage{ifthen}
2439 \_hit_text_if_equal:nnTF{\hit@fontset}{}%
2440 {%
2441 \PassOptionsToPackage{AutoFakeBold=2}{xeCJK}~
2442 }%
2443 {%
2444 \_hit_text_if_equal:nnTF{\hit@fontset}{siyuan}%
2445 {\relax}%
2446 {%
2447 \PassOptionsToPackage{AutoFakeBold=2}{xeCJK}~
2448 }%
2449 \PassOptionsToClass{fontset=\hit@fontset}{ctexart}~
2450 }%
2451 \LoadClass[a4paper,UTF8,zihao=-4,scheme=plain]{ctexart}

```

各种宏包

```

2452
2453 %% 各种宏包
2454 \RequirePackage{etoolbox}
2455 \RequirePackage{ifxetex}
2456 \_hit_engine_if_xetex:TF{}{%
2457 \ClassError{hithesis}{Please~use:~\MessageBreak xelatex}~
2458 }
2459 \RequirePackage{xparse}
2460
2461 \RequirePackage{amsmath}
2462 \RequirePackage[amsmath,thmmarks,hyperref]{ntheorem}
2463 \RequirePackage{amssymb}

```

删除 newtxtext, 由于最新一次更新 (revision 62369) 中与 ctex 宏包冲突, 且无法解决, 将正文字体替换为 TG TermesX 与 TG Heros.

```

2464 \setmainfont{TeXGyreTermesX}[
2465 UprightFont~==*-Regular~,
2466 BoldFont~==*-Bold~,
2467 ItalicFont~==*-Italic~,
2468 BoldItalicFont~==*-BoldItalic~,
2469 Extension~==.otf~,
2470 ]
2471 \setsansfont{texgyreheros}[
2472 UprightFont~==*-regular~,
2473 BoldFont~==*-bold~,

```

```

2474 ItalicFont~**~italic~,
2475 BoldItalicFont~**~bolditalic~,
2476 Extension~*.otf~,
2477 ]

```

删除 courier, 将 mono 字体替换为 TG Cursor, 至此将正文字体全面替换为 OpenType.

```

2478 \setmonofont{texgyrecursor}[
2479 UprightFont~**~regular~,
2480 BoldFont~**~bold~,
2481 ItalicFont~**~italic~,
2482 BoldItalicFont~**~bolditalic~,
2483 Extension~*.otf~,
2484 ]
2485
2486 \RequirePackage{graphicx}
2487 \RequirePackage{pdfpages}
2488 \includepdfset{fitpaper=true}
2489 \RequirePackage{enumitem}~% 使用 enumitem 宏包, 改变列表项的格式
2490 \RequirePackage{environ}
2491 \RequirePackage[perpage,hang]{footmisc}

```

xeCJK 包不再自动加载 xeCJKfntef

```

2492 \RequirePackage{xeCJKfntef}

```

newtx 更新至 v1.7 版本后与 ctex 宏包冲突, 需要手动引入 `\nofontspec` 选项. 判断方法为是否存在 v1.7 更新后的新宏包 newtx.sty

```

2493
2494 \RequirePackage{longtable}
2495 \RequirePackage{booktabs}

```

重定义 booktabs 宏包的默认线宽, 绘制三线表时不再需要显式设置, 以实现更好的内容与格式分离

```

2496 \heavyrulewidth=1.5pt
2497 \lightrulewidth=1pt
2498 \cmidrulewidth=0.5pt
2499
2500 \RequirePackage[sort&compress,numbers]{natbib}
2501 \RequirePackage{hyperref}
2502 \hypersetup{%
2503   CJKbookmarks=true,~
2504   linktoc=all,~
2505   bookmarksnumbered=true,~
2506   bookmarksopen=true,~
2507   bookmarksopenlevel=1,~
2508   breaklinks=true,~
2509   colorlinks=false,~
2510   plainpages=false,~
2511   pdfborder=0~0~0~
2512 }
2513 \urlstyle{same}
2514

```

```

2515 \RequirePackage{geometry}
2516 \geometry{% 根据 PlutoThesis 原版定义而来
2517   a4paper,~% 210 * 297mm
2518   hcentering,~
2519   ignoreall,~
2520   nomarginpar,~
2521   centering,~
2522   text={150true~mm,236true~mm},~
2523   left=30true~mm,~
2524   head=5true~mm,~
2525   headsep=2true~mm,~
2526   footskip=0true~mm,~
2527   foot=5.2true~mm~
2528 }
2529
2530 \RequirePackage{tikzpagenodes}
2531 \RequirePackage{eso-pic}
2532 \RequirePackage{tikz}
2533 \hit@legacy@patch@a
2534
2535 \RequirePackage{fancyhdr}
2536 \RequirePackage{tabularx}
2537 \RequirePackage{varwidth}
2538 \RequirePackage{changepage}
2539 \RequirePackage{multicol}
2540 \RequirePackage[below]{placeins}% 允许上一个 section 的浮动图形出现在下一个 section 的开始部分，还提供\FloatBarrier 命令，使所有未处理的浮动图形立即被处理
2541 \RequirePackage{flafter}~% 使得所有浮动体不能被放置在其浮动环境之前，以免浮动体在引述它的文本之前出现。
2542 \RequirePackage{multirow}~% 使用 Multirow 宏包，使得表格可以合并多个 row 格
2543 \RequirePackage{subfigure}% 支持子图 %centerlast 设置最后一行是否居中
2544 \RequirePackage[subfigure]{ccaption}~% 支持双语标题
2545
2546 \RequirePackage{lipsum}%random text

```

添加字号、行距等设置

```

2547
2548 %% 添加字号、行距等设置
2549 \cs_set:Npn \normalsize {%
2550   \@setfontsize\normalsize{12bp}{15bp}%
2551   \abovedisplayskip=6pt~
2552   \abovedisplayskip=6pt~
2553   \belowdisplayskip=\abovedisplayskip
2554   \belowdisplayskip=\abovedisplayskip
2555 }
2556
2557 \cs_new_protected:Npn \__hit_fontsize_declare:nn #1#2
2558 {
2559   \exp_args:Nc \NewDocumentCommand {#1} { 0{1.3} }
2560     { \fontsize {#2} { ##1 } \dimexpr #2 } \selectfont }

```

```

2561 }
2562
2563 \_hit_fontsize_declare:nn{dachu}{58bp}
2564 \_hit_fontsize_declare:nn{chuhao}{42bp}
2565 \_hit_fontsize_declare:nn{xiaochu}{36bp}
2566 \_hit_fontsize_declare:nn{yihao}{26bp}
2567 \_hit_fontsize_declare:nn{xiaoyi}{24bp}
2568 \_hit_fontsize_declare:nn{erhao}{22bp}
2569 \_hit_fontsize_declare:nn{xiaoer}{18bp}
2570 \_hit_fontsize_declare:nn{sanhao}{16bp}
2571 \_hit_fontsize_declare:nn{xiaosan}{15bp}
2572 \_hit_fontsize_declare:nn{sihao}{14bp}
2573 \_hit_fontsize_declare:nn{banxiaosi}{13bp}
2574 \_hit_fontsize_declare:nn{xiaosi}{12bp}
2575 \_hit_fontsize_declare:nn{dawu}{11bp}
2576 \_hit_fontsize_declare:nn{wuhao}{10.5bp}
2577 \_hit_fontsize_declare:nn{xiaowu}{9bp}
2578 \_hit_fontsize_declare:nn{liuhao}{7.5bp}
2579 \_hit_fontsize_declare:nn{xiaoliu}{6.5bp}
2580 \_hit_fontsize_declare:nn{qihao}{5.5bp}
2581 \_hit_fontsize_declare:nn{bahao}{5bp}

```

进行字号、行距等设置

```

2582
2583 %% 进行字号、行距等设置
2584 \ctexset{%
2585   section={~
2586     afterindent=true,~
2587     beforeskip={7.5bp},% 上下空 0.5 行
2588     afterskip={7.5bp},~
2589     format={\normalsize},~
2590     aftername=\enspace,~
2591     fixskip=true,~
2592     break={},~
2593   },~
2594   subsection={~
2595     afterindent=true,~
2596     beforeskip={7bp},~
2597     afterskip={7bp},~
2598     format={\normalsize},~
2599     aftername=\enspace,~
2600     fixskip=true,~
2601     break={},~
2602   },~
2603   subsubsection={~
2604     afterindent=true,~
2605     beforeskip={3bp},~
2606     afterskip={3bp},~
2607     format={\normalsize},~
2608     aftername=\enspace,~

```

```

2609 fixskip=true,~
2610 break={},~
2611 },~
2612 paragraph/afterindent=true,~
2613 subparagraph/afterindent=true~
2614 }
2615
2616 \cs_set_eq:NN \__hit_latex_section:w \section
2617 \RenewDocumentCommand\section{s~o~m~s}{%
2618   \IfBooleanF{#4}{\noindent\tikz[overlay]~\draw (-5mm,0mm)----(155mm,0mm);}~%
2619   \IfBooleanTF{#1}%
2620   {% if \section*
2621     \IfNoValueTF{#2}%
2622     {\__hit_latex_section:w*{#3}}%
2623     {\__hit_latex_section:w*{#2}{#3}}%
2624   }%
2625   {% if \section
2626     \IfNoValueTF{#2}%
2627     {\__hit_latex_section:w{#3}}%
2628     {\__hit_latex_section:w{#2}{#3}}%
2629   }~
2630 }

```

中文封面

```

2631
2632 %% 中文封面
2633 \__hit_info_declare:n{ctitleone}
2634 \__hit_info_declare:n{ctitletwo}
2635 \__hit_info_declare:n{csubject}
2636 \__hit_info_declare:n{cauthor}
2637 \__hit_info_declare:n{cstudentid}
2638 \__hit_info_declare:n{cclassid}
2639 \__hit_info_declare:n{caffil}
2640 \__hit_info_declare:n{csupervisor}
2641 \__hit_info_declare:n{cdate}
2642 \__hit_info_declare:n{cenrolldate}
2643
2644
2645 \NewDocumentCommand\hitsetup{m}{\__hit_setup:nn{hit}{#1}}
2646
2647 \cs_new:Npn \__hit_report_titlepage_graduate: {~
2648   \__hit_text_if_equal:nnTF{\hit@fontset}{siyuan}%
2649   {\xiaosi[1]\vspace*{0.65em}}%
2650   {\xiaosi[1]\textcolor{rgb}{1,1,1}{\songti{\__hit_term:n {hi}}}}%
2651   \vspace*{10mm}~
2652   \begin{center}~
2653     \songti\erhao\textbf{\__hit_term:n {cschoolname}\bool_if:cTF {l__hit_shenzhen_bool} {\__hit_term:n {shenzhen}}}~
2654     \end{center}~
2655     \begin{center}~
2656     \songti\erhao\textbf{\__hit_term:n {cthesismidtermcheck}}~

```

```

2657 \end{center}~
2658 \vspace{66bp}~
2659 \parbox[b][3cm][t]{\textwidth}{~
2660 \begin{center}\songti\sihao
2661 \cs_set:Npn \arraystretch {1.67}~
2662 \begin{tabular}{l@{\ }c}~
2663 \textbf{\__hit_term:n {graduate@studenttitle}}~&~\textbf{\g__hit_info_cauthor_tl}\\~
2664 \hline
2665 \textbf{\__hit_term:n {graduate.enrolldate}}~&~\textbf{\g__hit_info_cenrolldate_tl}\\~
2666 \hline
2667 \textbf{\__hit_term:n {graduate.thesistitle}}~&~\textbf{\g__hit_info_ctitleone_tl}\\~
2668 \hline
2669 &\textbf{\g__hit_info_ctitletwo_tl}\\~
2670 \hline
2671 \textbf{\__hit_term:n {graduate.cafflimajor}}~&~\textbf{\g__hit_info_csubject_tl}\\~
2672 \hline
2673 \textbf{\__hit_term:n {graduate.datetitle}}~&~\textbf{\g__hit_info_cdate_tl}\\~
2674 \hline
2675 \textbf{\__hit_term:n {graduate.supervisor}}~&~\textbf{\g__hit_info_csupervisor_tl}\\~
2676 \hline
2677 \end{tabular}\cs_set:Npn \arraystretch {1}~
2678 \end{center}~
2679 }~
2680 }
2681
2682 \cs_set_nopar:Npn \makecover {~
2683 \begin{titlepage}~
2684 \__hit_report_titlepage_graduate:
2685 \clearpage
2686 \__hit_term:n {shenzhen.doctor.midterm.note}
2687 \end{titlepage}~
2688 \AddToShipoutPicture{%
2689 \begin{tikzpicture}[remember=picture,overlay]~
2690 \draw ($(current~page~text~area.south~west)+(-5mm,0mm)$)~rectangle~($(current~page~text~area.north
2691 \end{tikzpicture}~
2692 }~
2693 \pagestyle{fancy}~
2694 \fancyhead{}~
2695 \cs_set:Npn \headrulewidth {0pt}~
2696 \cs_set:Npn \footrulewidth {0pt}~
2697 \fancyfoot[C]{\xiaowu-\nobreakspace{}\thepage\nobreakspace{}~}~
2698 }

```

引用和参考文献格式

```

2699
2700 %% 引用和参考文献格式
2701 \cs_new:Npn \bibstyle@numerical {\bibpunct{[]{}{,}{s}{,}{\textsuperscript{,}}{}}
2702 \cs_new:Npn \bibstyle@inline {\bibpunct{[]{}{,}{n}{,}{\hit@inline@sep}}
2703
2704 \citestyle{numerical}

```

```

2705 \cs_set_protected:Npn \inlinecite {\@inlinecite}
2706 \cs_set_nopar:Npn \@inlinecite #1{\begingroup\citestyle{inline}\cs_set_eq:NN \@cite \NAT@citenum \c
2707 \cs_set_eq:NN \onlinecite \inlinecite
2708
2709
2710 \cs_set:Npn \thebibliography #1
2711   {%
2712     \list{\@biblabel{\@arabic\c@enumiv}}{%
2713       \str_if_eq:VnT \g_bib_labelalign_str {left} {
2714         \RenewDocumentCommand\makelabel{m}{##1\hfill}
2715       }
2716       \settowidth{\labelwidth}{\@biblabel{#1}}
2717       \skip_set:Nn \labelsep {0.5em}
2718       \skip_set:Nn \itemindent {0pt}
2719       \skip_set:Nn \leftmargin {\labelsep+\labelwidth}
2720       \skip_add:Nn \itemsep {-0.8em}
2721       \usecounter{enumiv}%
2722       \cs_set_eq:NN \p@enumiv \@empty
2723       \cs_set:Npn \theenumiv {\@arabic\c@enumiv}}%
2724       \sloppy\frenchspacing
2725       \flushbottom
2726       \clubpenalty0
2727       \@clubpenalty \clubpenalty
2728       \widowpenalty0%
2729       \interlinepenalty-50%
2730       \sfcode`\.\@m
2731     }
2732 \cs_set:Npn \endthebibliography
2733   {}

2734 %% 用以控制参考文献列表中单个作者的格式
2735 \exp_args:NNe \cs_new:Nn \g_bib_author_cs:n {
2736   \bool_if:NTF \g_bib_authorupper_bool {
2737     \exp_not:N \text_uppercase:n {#1}
2738   } {
2739     {#1}
2740   }
2741 }

2742 %% 用以输出参考文献列表中的作者
2743 \NewDocumentCommand{\bibauthor}{m}{
2744   \int_zero:N \l_tmpa_int
2745   \exp_args:Ne \tl_map_inline:nn {
2746     \exp_args:Ne \tl_tail:n {#1}
2747   } {
2748     \int_compare:nNnT
2749       \l_tmpa_int = \g_bib_maxauthor_int {
2750       \prg_break:n {\tl_head:N {#1}}
2751     }
2752     \int_incr:N \l_tmpa_int
2753     \g_bib_author_cs:n {##1}

```

```

2754 }
2755 \prg_break_point:
2756 }
2757

```

杂项

```

2758
2759 %% 杂项
2760 \AtEndOfClass{\input{hithesisart.cfg}}
2761 \AtEndOfClass{\sloppy}
2762 \artpluscls

```

添加 artcls

```

2763 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2764 % artcls
2765 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
2766 (*artcls)

```

处理文档类选项

```

2767
2768 %% 处理文档类选项
2769 \_hit_bool_declare:n{bachelor}
2770 \_hit_bool_declare:n{master}
2771 \_hit_bool_declare:n{doctor}
2772 \_hit_key_define:nnn{hit}{type}{%
2773 \_hit_bool_set_false:n {bachelor}
2774 \_hit_bool_set_false:n {master}
2775 \_hit_bool_set_false:n {doctor}
2776 \_hit_bool_select:n {#1}
2777 }
2778
2779 \_hit_bool_declare:n{shenzhen}
2780 \_hit_bool_declare:n{weihai}
2781 \_hit_bool_declare:n{harbin}
2782 \_hit_key_define:nnn{hit}{campus}{%
2783 \_hit_bool_set_false:n {shenzhen}
2784 \_hit_bool_set_false:n {weihai}
2785 \_hit_bool_set_false:n {harbin}
2786 \_hit_bool_select:n {#1}
2787 }
2788 \bool_if:cTF {l_hit_weihai_bool} {\relax} {
2789 \bool_if:cTF {l_hit_shenzhen_bool} {\relax} {
2790 \_hit_bool_set_true:n {harbin}
2791 }
2792 }
2793
2794 \_hit_bool_declare:n{opening}
2795 \_hit_bool_declare:n{midterm}
2796 \_hit_key_define:nnn{hit}{stage}{%
2797 \_hit_bool_set_false:n {opening}
2798 \_hit_bool_set_false:n {midterm}

```

```

2799 \__hit_bool_select:n {#1}
2800 }

2801
2802
2803 \bool_new:N \g_bib_authorupper_bool
2804 \bool_set_false:N \g_bib_authorupper_bool
2805 \__hit_key_define:nnn{hit}{bibauthorupper}{%
2806   \str_if_eq:nnT {#1} {full} {
2807     \bool_set_true:N \g_bib_authorupper_bool
2808   }
2809 }
2810
2811 \int_new:N \g_bib_maxauthor_int
2812 \int_set:Nn \g_bib_maxauthor_int {3}
2813 \__hit_key_define:nnn{hit}{bibmaxauthor}{%
2814   \int_set:Nn \g_bib_maxauthor_int {#1}
2815   \int_if_zero:nT {\g_bib_maxauthor_int} {
2816     \int_gdecr:N \g_bib_maxauthor_int
2817   }
2818 }
2819
2820 \str_new:N \g_bib_labelalign_str
2821 \__hit_key_define:nnn{hit}{biblabelalign}{%
2822   \str_set:Nn \g_bib_labelalign_str {#1}
2823 }
2824
2825
2826 \__hit_bool_option:nn{true}{raggedbottom}
2827 \__hit_bool_option:nn{false}{pifootnote}
2828 \__hit_bool_option:nn{false}{debug}
2829 \__hit_bool_option:nn{true}{toc}
2830 \__hit_bool_option:nn{true}{newtxmath}

2831 \__hit_bool_option:nn{false}{print}
2832
2833
2834 \__hit_string_option_declare:n{fontset}
2835 \PassOptionsToPackage{no-math}{fontspec}
2836
2837 \__hit_class_options_process:n{ctexart}
2838
2839 \bool_if:cTF {l__hit_bachelor_bool} {\relax} {
2840   \bool_if:cTF {l__hit_master_bool} {\relax} {
2841     \bool_if:cTF {l__hit_doctor_bool} {\relax} {
2842       \ClassError{hithesisart}{%
2843         \MessageBreak Please~specify~thesis~type~in~option:~
2844         \MessageBreak type=[bachelor~|~master~|~doctor]~
2845       }~
2846     }
2847   }

```

```

2848 }
2849
2850 \bool_if:cTF {l__hit_opening_bool} {\relax} {
2851   \bool_if:cTF {l__hit_midterm_bool} {\relax} {
2852     \ClassError{hithesisart}{%
2853       \MessageBreak Please~specify~stage~in~option:~
2854       \MessageBreak stage=<opening|midterm>~
2855     }~
2856   }
2857 }
2858
2859 \bool_if:cTF {l__hit_doctor_bool} {
2860   \bool_if:cTF {l__hit_midterm_bool} {
2861     \bool_if:cTF {l__hit_shenzhen_bool} {
2862       \ClassError{hithesisart}{%
2863         \MessageBreak This~document~class~does~not~support~midterm~report~for~doctor~
2864         in~shenzhen~campus.~
2865         \MessageBreak please~use~\string\documentclass{hithesisartplus}~
2866       }~
2867     } {}
2868   } {}
2869 } {}
2870
2871 \RequirePackage{ifthen}
2872 \__hit_text_if_equal:nnTF{\hit@fontset}{}{%
2873   {%
2874     \PassOptionsToPackage{AutoFakeBold=2}{xeCJK}~
2875   }%
2876   {%
2877     \__hit_text_if_equal:nnTF{\hit@fontset}{siyuan}%
2878     {\relax}%
2879     {%
2880       \PassOptionsToPackage{AutoFakeBold=2}{xeCJK}~
2881     }%
2882     \PassOptionsToClass{fontset=\hit@fontset}{ctexart}~
2883   }%
2884   \LoadClass[a4paper,UTF8,zihao=-4,scheme=plain]{ctexart}

```

各种宏包

```

2885
2886 %% 各种宏包
2887 \RequirePackage{etoolbox}
2888 \RequirePackage{ifxetex}
2889 \__hit_engine_if_xetex:TF{}{%
2890   \ClassError{hithesis}{Please~use:~\MessageBreak xelatex}{}~
2891 }
2892 \RequirePackage{xparse}
2893
2894 \RequirePackage{amsmath}
2895 \RequirePackage{amsmath,thmmarks,hyperref}{ntheorem}

```

```
2896 \RequirePackage{amssymb}
```

删除 newtxtext, 由于最新一次更新 (revision 62369) 中与 ctex 宏包冲突, 且无法解决, 将正文字体替换为 TG TermesX 与 TG Heros.

```
2897 \setmainfont{TeXGyreTermesX}[
2898   UprightFont~==*-Regular~,
2899   BoldFont~==*-Bold~,
2900   ItalicFont~==*-Italic~,
2901   BoldItalicFont~==*-BoldItalic~,
2902   Extension~==.otf~,
2903 ]
2904 \setsansfont{texgyreheros}[
2905   UprightFont~==*-regular~,
2906   BoldFont~==*-bold~,
2907   ItalicFont~==*-italic~,
2908   BoldItalicFont~==*-bolditalic~,
2909   Extension~==.otf~,
2910 ]
```

删除 courier, 将 mono 字体替换为 TG Cursor, 至此将正文字体全面替换为 OpenType.

```
2911 \setmonofont{texgyrecursor}[
2912   UprightFont~==*-regular~,
2913   BoldFont~==*-bold~,
2914   ItalicFont~==*-italic~,
2915   BoldItalicFont~==*-bolditalic~,
2916   Extension~==.otf~,
2917 ]
```

单独使用 newtxmath 宏包改变数学字体时, 会使 operators, \mathrm, \mathit, \mathbf 命令使用 CM 字体, 根据 SJTUThesis 的字体设置进行调整

```
2918 \bool_if:cTF {l__hit_newtxmath_bool} {
2919   \cs_set_eq:NN \oldencodingdefault \encodingdefault
2920   \cs_set_eq:NN \oldrmdefault \rmdefault
2921   \cs_set_eq:NN \oldsfdefault \sfdefault
2922   \cs_set_eq:NN \oldttdefault \ttdefault

2923   \cs_set_nopar:Npn \encodingdefault {T1}~
2924   \cs_set:Npn \rmdefault {ntxtlf}~
2925   \cs_set:Npn \sfdefault {qhv}~
2926   \cs_set:Npn \ttdefault {ntxtt}~
2927   \RequirePackage{newtxmath}~

2928   \cs_set_eq:NN \encodingdefault \oldencodingdefault
2929   \cs_set_eq:NN \rmdefault \oldrmdefault
2930   \cs_set_eq:NN \sfdefault \oldsfdefault
2931   \cs_set_eq:NN \ttdefault \oldttdefault
2932 } {}
2933
2934 \RequirePackage{graphicx}
2935 \RequirePackage{pdfpages}
2936 \includepdfset{fitpaper=true}
2937 \RequirePackage{enumitem}~% 使用 enumitem 宏包, 改变列表项的格式
```

```

2938 \RequirePackage{environ}
2939 \bool_if:cTF {l__hit_raggedbottom_bool} {
2940   \RequirePackage[bottom,perpage,hang]{footmisc}~
2941   \raggedbottom
2942 } {
2943   \RequirePackage[perpage,hang]{footmisc}~
2944 }
2945 \bool_if:cTF {l__hit_pifootnote_bool} {
2946   \RequirePackage{pifont}~
2947 } {}

```

xeCJK 包不再自动加载 xeCJKfntef

```

2948 \RequirePackage{xeCJKfntef}

```

newtx 更新至 v1.7 版本后与 ctex 宏包冲突, 需要手动引入 `\nofontspec` 选项. 判断方法为是否存在 v1.7 更新后的新宏包 newtx.sty

```

2949
2950 \RequirePackage{longtable}
2951 \RequirePackage{booktabs}

```

重定义 booktabs 宏包的默认线宽, 绘制三线表时不再需要显式设置, 以实现更好的内容与格式分离

```

2952 \heavyrulewidth=1.5pt
2953 \lightrulewidth=1pt
2954 \cmidrulewidth=0.5pt
2955
2956 \RequirePackage[sort&compress,numbers]{natbib}
2957 \RequirePackage{hyperref}
2958 \hypersetup{%
2959   CJKbookmarks=true,~
2960   linktoc=all,~
2961   bookmarksnumbered=true,~
2962   bookmarksopen=true,~
2963   bookmarksopenlevel=1,~
2964   breaklinks=true,~
2965   colorlinks=false,~
2966   plainpages=false,~
2967   pdfborder=0~0~0~
2968 }
2969 \urlstyle{same}
2970
2971 \bool_if:cTF {l__hit_debug_bool} {
2972   \RequirePackage[showframe]{geometry}~
2973 } {
2974   \RequirePackage{geometry}~
2975 }
2976 \geometry{% 根据 PlutoThesis 原版定义而来
2977   a4paper,~% 210 * 297mm
2978   hcentering,~
2979   ignoreall,~
2980   nomarginpar,~

```

```

2981 centering,~
2982 text={150true~mm,236true~mm},~
2983 left=30true~mm,~
2984 head=5true~mm,~
2985 headsep=2true~mm,~
2986 footskip=0true~mm,~
2987 foot=5.2true~mm~
2988 }

2989 \__hit_bool_expr:nTF{\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{master}}%
2990 {~
2991 \bool_if:cTF {l__hit_opening_bool} { \geometry{headsep=25pt}~
2992 } { \geometry{headsep=17pt}~
2993 }
2994 }
2995 {}
2996
2997 \bool_if:cTF {l__hit_debug_bool} {
2998 \RequirePackage{layout}~
2999 \RequirePackage{layouts}~
3000 \RequirePackage{lineno}~
3001 } {}
3002
3003 \RequirePackage{fancyhdr}
3004 \RequirePackage{tabularx}
3005 \RequirePackage{varwidth}
3006 \RequirePackage{changepage}
3007 \RequirePackage{multicol}
3008 \RequirePackage[below]{placeins}% 允许上一个 section 的浮动图形出现在下一个 section 的
    开始部分，还提供\FloatBarrier 命令，使所有未处理的浮动图形立即被处理
3009 \RequirePackage{flafter}~% 使得所有浮动体不能被放置在其浮动环境之前，以免浮动体在引述它的
    文本之前出现。
3010 \RequirePackage{multirow}~% 使用 Multirow 宏包，使得表格可以合并多个 row 格
3011 \RequirePackage{subfigure}% 支持子图 %centerlast 设置最后一行是否居中
3012 \RequirePackage[subfigure]{ccaption}~% 支持双语标题

```

设置深圳校区开题报告的正文行距与毕业论文模板一致 此处修改与正文行距保持一致

```

3013 \__hit_bool_expr:nTF{\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{master}~&&~\__hit_bool_p:n{midter
    将图注实现为“图 1-1 标题”的格式
3014 \RequirePackage{caption}~
3015 \cs_set:Npn \thefigure {\thesection-\arabic{figure}}% 修改图标号为 x-x 格式
3016 \captionsetup[figure]{labelsep=space}% 取消图标号后面的冒号
3017 }{}

3018 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{bachelor}~&&~\__hit_bool_p:n{openin
3019 \RequirePackage{caption}~
3020 \cs_set:Npn \thefigure {\thesection-\arabic{figure}}~
3021 \cs_set:Npn \thetable {\thesection-\arabic{table}}~
3022 \cs_set:Npn \theequation {\thesection-\arabic{equation}}~
3023 \captionsetup[figure]{labelsep=space}~

```

```

3024 \captionsetup[table]{labelsep=space}~
3025 \@addtoreset{figure}{section}~
3026 \@addtoreset{table}{section}~
3027 \@addtoreset{equation}{section}~
3028 }{}

```

添加字号、行距等设置

```

3029
3030 %% 添加字号、行距等设置
3031 \cs_set:Npn \normalsize {%
3032   \@setfontsize\normalsize{12bp}{20.50398bp}%
3033   \abovedisplayskip=8pt~
3034   \abovedisplayskip=8pt~
3035   \belowdisplayskip=\abovedisplayskip
3036   \belowdisplayskip=\abovedisplayskip
3037 }
3038
3039 \cs_new_protected:Npn \__hit_fontsize_declare:nn #1#2
3040 {
3041   \exp_args:Nc \NewDocumentCommand {#1} { 0{1.3} }
3042     { \fontsize {#2} { ##1 \dimexpr #2 } \selectfont }
3043 }
3044
3045 \__hit_fontsize_declare:nn{dachu}{58bp}
3046 \__hit_fontsize_declare:nn{chuhao}{42bp}
3047 \__hit_fontsize_declare:nn{xiaochu}{36bp}
3048 \__hit_fontsize_declare:nn{yihao}{26bp}
3049 \__hit_fontsize_declare:nn{xiaoyi}{24bp}
3050 \__hit_fontsize_declare:nn{erhao}{22bp}
3051 \__hit_fontsize_declare:nn{xiaoer}{18bp}
3052 \__hit_fontsize_declare:nn{sanhao}{16bp}
3053 \__hit_fontsize_declare:nn{xiaosan}{15bp}
3054 \__hit_fontsize_declare:nn{sihao}{14bp}
3055 \__hit_fontsize_declare:nn{banxiaosi}{13bp}
3056 \__hit_fontsize_declare:nn{xiaosi}{12bp}
3057 \__hit_fontsize_declare:nn{dawu}{11bp}
3058 \__hit_fontsize_declare:nn{wuhao}{10.5bp}
3059 \__hit_fontsize_declare:nn{xiaowu}{9bp}
3060 \__hit_fontsize_declare:nn{liuhao}{7.5bp}
3061 \__hit_fontsize_declare:nn{xiaoliu}{6.5bp}
3062 \__hit_fontsize_declare:nn{qihao}{5.5bp}
3063 \__hit_fontsize_declare:nn{bahao}{5bp}

```

更改哈尔滨校区博士硕士开题节标题为小三号字体

进行字号、行距等设置

```

3064
3065 %% 进行字号、行距等设置
3066 \skip_set:Nn \parindent {2\ccwd}
3067 \ctexset{%
3068   section={~

```

```

3069 afterindent=true,~
3070 beforeskip={7.5bp},% 上下空 0.5 行
3071 afterskip={7.5bp},~
3072 format={\heiti\xiaosan[1.25]},~
3073 aftername=\enspace,~
3074 fixskip=true,~
3075 break={},~
3076 },~
3077 subsection={~
3078 afterindent=true,~
3079 beforeskip={7bp},~
3080 afterskip={7bp},~
3081 format={\heiti\sihao[1.25]},~
3082 aftername=\enspace,~
3083 fixskip=true,~
3084 break={},~
3085 },~
3086 subsubsection={~
3087 afterindent=true,~
3088 beforeskip={3bp},~
3089 afterskip={3bp},~
3090 format={\heiti\normalsize},~
3091 aftername=\enspace,~
3092 fixskip=true,~
3093 break={},~
3094 },~
3095 paragraph/afterindent=true,~
3096 subparagraph/afterindent=true~
3097 }

3098 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{bachelor}~&&~\__hit_bool_p:n{midter
3099 {~
3100 \ctexset{~
3101 section={~
3102 number~==~\chinese{section},~
3103 name~==~{, , },~
3104 aftername={},~
3105 }~
3106 }~
3107 }{}

3108 \__hit_bool_expr:nTF{\__hit_bool_p:n{weihai}~&&~\__hit_bool_p:n{master}~&&~\__hit_bool_p:n{opening}
3109 {~
3110 \fancypagestyle{hit@weihai@headings@main}{%
3111 \fancyhf{}~
3112 \fancyfoot[C]{\xiaowu\thepage}~
3113 \cs_set:Npn \headrule {~
3114 \vskip 1.190132pt~
3115 \hrule\@height2.276208pt\@width\headwidth
3116 \vskip 0.75pt~
3117 \hrule\@height.75pt\@width\headwidth

```

```

3118 }~
3119 \fancyhead[C]{\songti\xiaowu[0] 哈尔滨工业大学（威海）硕士学位论文开题报告}~
3120 \fancyfoot[C]{-\ \thepage\ -}~
3121 }~
3122 \pagestyle{hit@weihai@headings@main}~
3123 {}

```

为深圳校区硕士开题设置章节样式与页眉页脚样式。为深圳校区硕士中期设置章节样式与页眉页脚样式。

```

3124 \_hit_bool_expr:nTF{\_hit_bool_p:n{shenzhen}~&&~\_hit_bool_p:n{master}}
3125 {~
3126 \ctexset{~
3127 section={~
3128 beforekip=25bp,~
3129 afterskip=27pt,~
3130 format=\bool_if:cTF {l\_hit_opening_bool} {\centering\xiaoer} {\xiaosan}\heiti,~
3131 aftername=\bool_if:cTF {l\_hit_opening_bool} {\quad} {\enspace},~
3132 break=\bool_if:cTF {l\_hit_opening_bool} {\clearpage} {}~}
3133 },~
3134 subsection={~
3135 beforekip=\bool_if:cTF {l\_hit_opening_bool} {12pt~} {15pt~},~
3136 afterskip=\bool_if:cTF {l\_hit_opening_bool} {12pt~} {15pt~},~
3137 format=\heiti\bool_if:cTF {l\_hit_opening_bool} {\xiaosan} {\sihao},~
3138 fixskip=true,~
3139 aftername=\bool_if:cTF {l\_hit_opening_bool} {\ \ }~} {\enspace}
3140 },~
3141 subsubsection={~
3142 beforekip=\bool_if:cTF {l\_hit_opening_bool} {12pt~} {15pt~},~
3143 afterskip=\bool_if:cTF {l\_hit_opening_bool} {12pt~} {15pt~},~
3144 format=\heiti\sihao,~
3145 fixskip=true,~
3146 aftername=\bool_if:cTF {l\_hit_opening_bool} {\ \ }~} {\enspace}
3147 }~
3148 }~
3149 \fancypagestyle{hit@shenzhen@headings@main}{%
3150 \fancyhf{}~
3151 \fancyfoot[C]{\xiaowu\thepage}~
3152 \cs_set:Npn \headrule {~
3153 \vskip 1.190132pt~
3154 \hrule\@height2.276208pt\@width\headwidth
3155 \vskip 0.75pt~
3156 \hrule\@height.75pt\@width\headwidth
3157 }~
3158 \fancyhead[C]{\songti\xiaowu[0] 哈尔滨工业大学(深圳)\bool_if:cTF {l\_hit_midterm_bool} {中
3159 期~} {硕士学位论文开题~} 报告}~
3160 }~
3161 \fancypagestyle{hit@shenzhen@headings@front}{%
3162 \fancyhf{}~
3163 \cs_set:Npn \headrule {~

```

```

3164 \vskip 1.190132pt~
3165 \hrule\@height2.276208pt\@width\headwidth
3166 \vskip 0.75pt~
3167 \hrule\@height.75pt\@width\headwidth
3168 }~
3169 \fancyhead[C]{\songti\xiaowu[0] 哈尔滨工业大学（深圳）硕士学位论文开题报告}~
3170 }~
3171 }{}

3172 % \ifboolexpr{bool {hit@midterm}}{}{\pagestyle{hit@shenzhen@headings@front}}

```

中文封面

```

3173 %% 中文封面
3174
3175 \_hit_info_declare:n{ctitlecover}
3176 \_hit_info_declare:n{ctype}
3177 \_hit_info_declare:n{csubject}
3178 \_hit_info_declare:n{cauthor}
3179 \_hit_info_declare:n{cstudentid}
3180 \_hit_info_declare:n{cclassid}
3181 \_hit_info_declare:n{caffil}
3182 \_hit_info_declare:n{csupervisor}
3183 \_hit_info_declare:n{cdate}
3184
3185
3186 \NewDocumentCommand\hitsetup{m}{\_hit_setup:nn{hit}{#1}}
3187
3188 \cs_new:Npn \_hit_report_titlepage_graduate: {~
3189 \_hit_text_if_equal:nnTF{\hit@fontset}{siyuan}%
3190 {\xiaosi[1]\vspace*{0.65em}}%
3191 {\xiaosi[1]\textcolor{rgb}{1,1,1}{\songti{\_hit_term:n {hi}}}}%
3192 \vspace*{10mm}~
3193 \begin{center}~
3194 % \kaishu\xiaoer\textbf{\_hit_term:n {cschoolname}}\ifhit@shenzhen\_hit_term:n {shenzhencampus}\f
3195 \_hit_bool_expr:nTF{(\_hit_bool_p:n{weihai}~||~\_hit_bool_p:n{shenzhen})~&&~\_hit_bool_p:n{mas
3196 {\ziju{1/6}}}\kaishu\xiaoer\textbf{\_hit_term:n {cschoolname}}\bool_if:cTF {1\_hit_weihai_bool} {
海) } {}~
3197 \end{center}~
3198 \vspace{5mm}~
3199 \begin{center}~
3200 \_hit_bool_expr:nTF{\_hit_bool_p:n{shenzhen}~&&~\_hit_bool_p:n{master}~&&~\_hit_bool_p:n{openi
3201 {\xiaoyi\ziju{1/8}}}\erhao}~
3202 \songti\textbf{\_hit_term:n {cxuewei}}\_hit_term:n {cthesisname}
3203 \bool_if:cTF {1\_hit_opening_bool} {
3204 \_hit_term:n {stage@opening}
3205 } {
3206 \bool_if:cTF {1\_hit_midterm_bool} {
3207 \_hit_term:n {stage@midterm}
3208 } {}
3209 }

```

```

3210 \_hit_term:n {stage@doctype}
3211 }~
3212 \end{center}~
3213 \vspace{10mm}~
3214 \parbox[t][3cm][t]{\textwidth}{~
3215 \begin{center}~
3216 \songti\xiaoer\textbf{\_hit_term:n {thesistitleprefix}\_hit_term:n {title@csep}\g__hit_info_cti
3217 \[12bp]~

3218 \par
3219 \_hit_bool_expr:nTF{\_hit_bool_p:n{harbin}~&&~\_hit_bool_p:n{opening}~&&~\_hit_bool_p:n{master
3220 \songti\sanhao\textbf{ (\g__hit_info_ctype_t1) }~
3221 }{}}~
3222 \end{center}~
3223 }~
3224 \parbox[b][3cm][t]{\textwidth}{~
3225 \begin{center}\songti\sanhao
3226 \cs_set:Npn \arraystretch {2.1}~
3227 \begin{tabular}{l@{\ \ }c}~
3228 \textbf{\_hit_term:n {graduate@caffilttitle}}~&~\underline{\makebox[6.1cm]{\textbf{\g__hit_info_ca
3229 \textbf{\_hit_term:n {graduate@cmajortitle}}~&~\underline{\makebox[6.1cm]{\textbf{\g__hit_info_cs
3230 \textbf{\_hit_term:n {graduate@supervisor}}~&~\underline{\makebox[6.1cm]{\textbf{\g__hit_info_csu
3231 \textbf{\_hit_term:n {graduate@studenttitle}}~&~\underline{\makebox[6.1cm]{\textbf{\g__hit_info_c
3232 \textbf{\_hit_term:n {graduate@studentid}}~&~\underline{\makebox[6.1cm]{\textbf{\g__hit_info_cstu
3233 \textbf{\_hit_term:n {graduate@datetitle}}~&~\underline{\makebox[6.1cm]{\textbf{\g__hit_info_cdat
3234 \end{tabular}\cs_set:Npn \arraystretch {1}~
3235 \end{center}~
3236 }~
3237 \vfill
3238 \bool_if:cTF {l__hit_harbin_bool} {
3239 \_hit_term:n {harbin@schoolbottommark}
3240 } {

3241 \bool_if:cTF {l__hit_shenzhen_bool} {
3242 \bool_if:cTF {l__hit_opening_bool} {
3243 \_hit_term:n {shenzhen@master@schoolbottommark}
3244 } {}
3245 } {}
3246 }
3247 }

3248
3249 \cs_new:Npn \_hit_report_titlepage_bachelor: {~
3250 \_hit_text_if_equal:nnTF{\hit@fontset}{siyuan}%
3251 {\xiaosi[1]\vspace*{0.65em}}%
3252 {\xiaosi[1]\textcolor[rgb]{1,1,1}{\songti{\_hit_term:n {hi}}}}%
3253 \vspace*{10mm}~
3254 \begin{center}~
3255 \includegraphics[width=6.2cm]{hithesis-logo}~
3256 \end{center}~

```

```

3257 \begin{center}~
3258 \songti\xiaoyi\textbf{%
3259 \bool_if:cTF {l__hit_harbin_bool} {%
3260 \ziju{1/12}~
3261 本科%
3262 } {}%
3263 \__hit_term:n {bachelor@cthesisname}
3264 \bool_if:cTF {l__hit_opening_bool} {
3265 \__hit_term:n {stage@opening}
3266 } {
3267 \bool_if:cTF {l__hit_midterm_bool} {
3268 \__hit_term:n {stage@midterm}
3269 } {}
3270 }
3271 \__hit_term:n {stage@doctype}
3272 }~
3273 \end{center}~
3274 \vspace{15mm}~
3275 \parbox[t][6.5cm][t]{\textwidth}{~
3276 \begin{center}~
3277 \songti\xiaoer\textbf{\__hit_term:n {cthesistitleprefix}\__hit_term:n {title@ccsep}\g__hit_info_cti
3278 \end{center}~
3279 }~
3280 \parbox[b][6cm][t]{\textwidth}{~
3281 \begin{center}\songti\sanhao
3282 \cs_set:Npn \arraystretch {2.1}~

3283 \dim_new:N \l__hit_report_subject_width_dim
3284 \dim_new:N \l__hit_report_subject_measure_dim
3285 \__hit_measure_width:Nn \l__hit_report_subject_measure_dim {\g__hit_info_csubject_tl}~
3286 \dim_set:Nn \l__hit_report_subject_width_dim {\dim_compare:nNnTF {\l__hit_report_subject_measure_d
3287 \begin{tabular}{l@{\ }c}~
3288 \textbf{\__hit_term:n {bachelor@cmajortitle}}~&~\underline{\makebox[\l__hit_report_subject_width_d
3289 \textbf{\__hit_term:n {bachelor@cstudenttitle}}~&~\underline{\makebox[\l__hit_report_subject_width
3290 \textbf{\__hit_term:n {bachelor@cstudentidtitle}}~&~\underline{\makebox[\l__hit_report_subject_wid
3291 \bool_if:cTF {l__hit_weihai_bool} { % 威海校区特有
3292 \textbf{\__hit_term:n {bachelor@cclass}}~&~\underline{\makebox[\l__hit_report_subject_width_dim]{\
3293 } {}
3294 \textbf{\__hit_term:n {bachelor@csupervisortitle}}~&~\underline{\makebox[\l__hit_report_subject_wi
3295 \textbf{\__hit_term:n {bachelor@cdate_title}}~&~\underline{\makebox[\l__hit_report_subject_width_di
3296 \end{tabular}\cs_set:Npn \arraystretch {1}~
3297 \end{center}~
3298 }~
3299 \vfill
3300 \bool_if:cTF {l__hit_weihai_bool} {
3301 \relax
3302 } {
3303 \__hit_term:n {harbin@bachelor@schoolbottommark}
3304 }
3305 }

```

```

3306
3307 \cs_new:Npn \__hit_report_backpage_bachelor: {~
3308 \thispagestyle{empty}~
3309 \noindent\parbox[t][6.5cm][t]{\textwidth}{\__hit_term:n {bachelor@teachercomment}}~
3310 \noindent\parbox[b][6cm][t]{\textwidth}{\__hit_term:n {bachelor@teachersign}\underline{\makebox[3cm]{}}}
3311 }
3312

```

深圳校区中期模板目录中一级标题为黑体 \heiti。

深圳校区硕士开题目录有标题。深圳校区硕士中期目录也有标题。用 tocloft 宏包实现深圳校区硕士开题和中期的目录，逐步进行迁移。

```

3313
3314 %\ifboolexpr{ {bool {hit@shenzhen} or bool {hit@weihai}} and bool {hit@master} }{
3315 % renew \CTEX@toc@width@n,
3316 % add width of a space to numwidth (stored in \@tempdima)
3317 \cs_set_protected:Npn \CTEX@toc@width@n #1
3318 {
3319   \hbox_set:Nn \l__ctex_tmp_box {#1\,}
3320   \dim_set:Nn \@tempdima
3321   {
3322     \dim_max:nn { \@tempdima }
3323     { \box_wd:N \l__ctex_tmp_box }
3324   }
3325 }
3326
3327 \RequirePackage[subfigure]{tocloft}
3328 \cs_set:Npn \cfttoctitlefont {\hfill\xiaoer\heiti}
3329 \cs_set:Npn \cftaftertoctitle {\hfill\mbox{}}
3330 \cs_set:Npn \cftsecfont {\heiti}
3331 \cs_set:Npn \cftsecpagefont {}
3332 \cs_set:Npn \cftsecdotsep {\cftdotsep}
3333 \cs_set:Npn \cftsecleader {\cftdotfill{\cftsecdotsep}}
3334 \cs_set:Npn \cftdotsep {1}
3335 \skip_set:Nn \cftaftertoctitleskip {40pt}
3336 \skip_set:Nn \cftbeforesecskip {1.2ex}
3337 \skip_set:Nn \cftbeforesubsecskip {1.2ex}
3338 \skip_set:Nn \cftbeforesubsubsecskip {1.2ex}
3339 \skip_set:Nn \cftsubsecindent {1em}% 目录中 subsection 的缩进
3340 \skip_set:Nn \cftsubsubsecindent {2em}% 目录中 subsubsection 的缩进
3341 % \setlength{\cftsecnumwidth}{1.5em}
3342 % \setlength{\cftsubsecnumwidth}{0em}
3343 % \setlength{\cftsubsubsecnumwidth}{0em}
3344 % \ifhit@shenzhen
3345 % \ifhit@midterm
3346 \skip_set:Nn \cftsecnumwidth {1em}% 目录中的 section 条目序号和标题之间的距离
3347 \skip_set:Nn \cftsubsecnumwidth {1.7em}% 目录中的 subsection 条目序号和标题之间的距离
3348 \skip_set:Nn \cftsubsubsecnumwidth {2.4em}% 目录中的 subsubsection 条目序号和标题之间的
    距离
3349 % \fi

```

```

3350 % \fi
3351 % \ifboolexpr{ bool {hit@weihai} or bool {hit@midterm}}{\tocloftpagestyle{empty}}{\tocloftpagestyl
3352 \_hit_bool_expr:nTF{\_hit_bool_p:n{shenzhen}~&&~\_hit_bool_p:n{master}~&&~\_hit_bool_p:n{openin
3353 %}{
3354 % \renewcommand\tableofcontents{%
3355 % \thispagestyle{empty}
3356 % \ifboolexpr{ bool {hit@shenzhen} and bool {hit@master} and bool {hit@midterm} }%
3357 % {\patchcmd{\l@section}{\bfseries}{\heiti}{}}{}
3358 % \normalsize\starttoc{toc}
3359 % }
3360 %}

```

\makecover

```

3361 \cs_set_nopar:Npn \makecover {~
3362 \begin{titlepage}~
3363 \bool_if:cTF {l\_hit_bachelor_bool} {
3364 \_hit_report_titlepage_bachelor:
3365 } {
3366 \_hit_report_titlepage_graduate:
3367 }
3368 \clearpage

3369 \bool_if:cTF {l\_hit_print_bool} { \thispagestyle{empty}\mbox{}~\clearpage } {}
3370 \bool_if:cTF {l\_hit_toc_bool} {
3371 \tableofcontents
3372 \clearpage
3373 } {}
3374 \end{titlepage}~
3375 \_hit_bool_expr:nTF{\_hit_bool_p:n{shenzhen}~&&~\_hit_bool_p:n{master}}{\pagestyle{hit@shenzhen}
3376 }

```

\makebackcover

```

3377 \cs_set_nopar:Npn \makebackcover {~
3378 \clearpage
3379 \_hit_report_backpage_bachelor:
3380 }

```

引用和参考文献格式

```

3381
3382 %% 引用和参考文献格式
3383 \cs_new:Npn \bibstyle@numerical {\bibpunct{[]}{,}{s}{,}{\textsuperscript{,}}{}}
3384 \cs_new:Npn \bibstyle@inline {\bibpunct{[]}{,}{n}{,}{\hit@inline@sep}}
3385
3386 \citestyle{numerical}
3387 \cs_set_protected:Npn \inlinecite {\@inlinecite}
3388 \cs_set_nopar:Npn \@inlinecite #1{\begingroup\citestyle{inline}\cs_set_eq:NN \@cite \NAT@citenum \c
3389 \cs_set_eq:NN \onlinecite \inlinecite

```

深圳校区硕士开题部分参考文献没有序号。其他校区的提了问题再改。

```

3390
3391 \cs_set:Npn \thebibliography #1

```

```

3392 {%
3393   \_hit_bool_expr:nTF{\_hit_bool_p:n{shenzhen} && \_hit_bool_p:n{master} && \_hit_bool_p:n{open
3394   {%
3395     \section*{参考文献}
3396     \addcontentsline{toc}{section}{参考文献}
3397   }{}}
3398   \list{\@biblabel{\@arabic\c@enumiv}}{%
3399     \str_if_eq:VnT \g_bib_labelalign_str {left} {
3400       \RenewDocumentCommand\makelabel{m}{##1\hfill}
3401     }
3402     \settowidth{\labelwidth}{\@biblabel{#1}}
3403     \skip_set:Nn \labelsep {0.5em}
3404     \skip_set:Nn \itemindent {0pt}
3405     \skip_set:Nn \leftmargin {\labelsep+\labelwidth}
3406     \skip_add:Nn \itemsep {-0.8em}
3407     \usecounter{enumiv}%
3408     \cs_set_eq:NN \p@enumiv \@empty
3409     \cs_set:Npn \theenumiv {\@arabic\c@enumiv}}%
3410   \sloppy\frenchspacing
3411   \flushbottom
3412   \clubpenalty0
3413   \@clubpenalty \clubpenalty
3414   \widowpenalty0%
3415   \interlinepenalty-50%
3416   \sfcode`\.\@m
3417 }
3418 \cs_set:Npn \endthebibliography
3419   {\cs_set:nopar:Npn \@noitemerr
3420   {\@latex@warning{Empty `thebibliography' environment}}}%
3421 \endlist\frenchspacing}

3422 %% 用以控制参考文献列表中单个作者的格式
3423 \exp_args:NNe \cs_new:Nn \g_bib_author_cs:n {
3424   \bool_if:NTF \g_bib_authorupper_bool {
3425     \exp_not:N \text_uppercase:n {#1}
3426   } {
3427     {#1}
3428   }
3429 }

3430 %% 用以输出参考文献列表中的作者
3431 \NewDocumentCommand{\bibauthor}{m}{
3432   \int_zero:N \l_tmpa_int
3433   \exp_args:Ne \tl_map_inline:nn {
3434     \exp_args:Ne \tl_tail:n {#1}
3435   } {
3436     \int_compare:nNnT
3437       \l_tmpa_int = \g_bib_maxauthor_int {
3438       \prg_break:n {\tl_head:N {#1}}
3439     }
3440     \int_incr:N \l_tmpa_int

```

```

3441 \g_bib_author_cs:n {##1}
3442 }
3443 \prg_break_point:
3444 }
3445
杂项
3446
3447 %% 杂项
3448 \AtEndOfClass{\input{hithesisart.cfg}}
3449 \AtEndOfClass{\sloppy}
3450 </artcls>

```

4.2 定义选项

```

3451 % %%%%%%%%%%%
3452 % bookcls
3453 % %%%%%%%%%%%
3454 <*bookcls>

```

此处添加 book 控制项，用于 cfg 中定理等控制

```

3455 \__hit_bool_declare:n{bachelor}
3456 \__hit_bool_declare:n{master}
3457 \__hit_bool_declare:n{doctor}
3458 \__hit_bool_declare:n{postdoc}
3459 \__hit_key_define:nnn{hit}{type}{%
3460 \__hit_bool_set_false:n {bachelor}
3461 \__hit_bool_set_false:n {master}
3462 \__hit_bool_set_false:n {doctor}
3463 \__hit_bool_set_false:n {postdoc}
3464 \__hit_bool_select:n {#1}
3465 }

3466 \bool_if:cTF {l__hit_master_bool} {\relax} {
3467 \bool_if:cTF {l__hit_doctor_bool} {\relax} {
3468 \bool_if:cTF {l__hit_postdoc_bool} {\relax} {
3469 \__hit_bool_set_true:n {bachelor}
3470 }
3471 }
3472 }

```

此处设置校区，没有明确给出威海或者深圳时候，默认为哈尔滨校区。

```

3473 \__hit_bool_declare:n{shenzhen}
3474 \__hit_bool_declare:n{weihai}
3475 \__hit_bool_declare:n{harbin}
3476 \__hit_key_define:nnn{hit}{campus}{%
3477 \__hit_bool_set_false:n {shenzhen}
3478 \__hit_bool_set_false:n {weihai}
3479 \__hit_bool_set_false:n {harbin}
3480 \__hit_bool_select:n {#1}
3481 }

3482 \bool_if:cTF {l__hit_weihai_bool} {\relax} {

```

```

3483 \bool_if:cTF {l__hit_shenzhen_bool} {\relax} {
3484 \__hit_bool_set_true:n {harbin}
3485 }
3486 }

```

此处添加语言选项

```

3487 \__hit_bool_declare:n{english}
3488 \__hit_bool_declare:n{chinese}
3489 \__hit_key_define:nnn{hit}{language}{%
3490 \__hit_bool_set_false:n {english}
3491 \__hit_bool_set_false:n {chinese}
3492 \__hit_bool_select:n {#1}
3493 }
3494 \bool_if:cTF {l__hit_english_bool} {\relax} {
3495 \__hit_bool_set_true:n {chinese}
3496 }

```

设置版芯，由于窝工版芯歧义。

```

3497 \__hit_bool_declare:n{geometrynewone}
3498 \__hit_bool_declare:n{geometrynewtwo}
3499 \__hit_bool_declare:n{geometrynewno}
3500 \__hit_key_define:nnn{hit}{newgeometry}{%
3501 \__hit_bool_set_false:n {geometrynewone}
3502 \__hit_bool_set_false:n {geometrynewtwo}
3503 \__hit_bool_set_false:n {geometrynewno}
3504 \__hit_bool_select:n {geometrynew#1}
3505 }

```

设置字距选项，因为 word 和规范不一致

```

3506 \__hit_bool_declare:n{zijvregu}
3507 \__hit_bool_declare:n{zijvword}
3508 \__hit_key_define:nnn{hit}{zijv}{%
3509 \__hit_bool_set_false:n {zijvregu}
3510 \__hit_bool_set_false:n {zijvword}
3511 \__hit_bool_select:n {zijv#1}
3512 }

3513 \__hit_bool_declare:n{citetwocomma}
3514 \__hit_bool_declare:n{citetwoendash}
3515 \__hit_bool_set_true:n {citetwoendash}
3516 \__hit_key_define:nnn{hit}{citetwo}{%
3517 \__hit_bool_set_false:n {citetwocomma}
3518 \__hit_bool_set_false:n {citetwoendash}
3519 \__hit_bool_select:n {citetwo#1}
3520 }

3521
3522
3523 \bool_new:N \g_bib_authorupper_bool
3524 \bool_set_false:N \g_bib_authorupper_bool
3525 \__hit_key_define:nnn{hit}{bibauthorupper}{%
3526 \str_if_eq:nnT {#1} {full} {
3527 \bool_set_true:N \g_bib_authorupper_bool

```

```

3528 }
3529 }
3530
3531 \int_new:N \g_bib_maxauthor_int
3532 \int_set:Nn \g_bib_maxauthor_int {3}
3533 \__hit_key_define:nnn{hit}{bibmaxauthor}{%
3534   \int_set:Nn \g_bib_maxauthor_int {#1}
3535   \int_if_zero:nT {\g_bib_maxauthor_int} {
3536     \int_gdecr:N \g_bib_maxauthor_int
3537   }
3538 }
3539
3540 \str_new:N \g_bib_labelalign_str
3541 \__hit_key_define:nnn{hit}{biblabelalign}{%
3542   \str_set:Nn \g_bib_labelalign_str {#1}
3543 }
3544
3545

```

目录中英文是否用 Arial 字体（默认关闭）。

```
3546 \__hit_bool_option:nn{false}{arialtoc}
```

章节标题中的英文是否用 Arial 字体（默认打开）。

```
3547 \__hit_bool_option:nn{false}{arialtitle}
```

中文本科模板中章标题是否加粗，默认是

```
3548 \__hit_bool_option:nn{true}{chapterbold}
```

`<raggedbottom>` 选项（默认开启）。如果不开启这个选项，会出现一页中尽量上下对齐，段的间距大。如果开启，尽量使段间距保持一致，页面底部出现空白。

```
3549 \__hit_bool_option:nn{true}{raggedbottom}
```

在脚注标记中使用 pifont 的带圈数字（默认关闭）。

```
3550 \__hit_bool_option:nn{false}{pifootnote}
```

字体间距设置（默认关闭）。

```
3551 \__hit_bool_option:nn{false}{glue}
```

文科生四级目录设置（默认关闭）。

```
3552 \__hit_bool_option:nn{false}{tocfour}
```

目录中“目录”位置是否空行（默认开启）。

```
3553 \__hit_bool_option:nn{true}{tocblank}
```

章标题是否悬挂居中（默认开启）

```
3554 \__hit_bool_option:nn{true}{chapterhang}
```

是否是全日制学生（默认是）。

```
3555 \__hit_bool_option:nn{true}{fulltime}
```

英文内封标题是否根据长度自动调整字号（默认关闭，即使用二号字）。

```
3556 \__hit_bool_option:nn{false}{etitleauto}
```

是否有子标题（默认是）。

```
3557 \__hit_bool_option:nn{false}{subtitle}
```

是否开启 debug 模式（默认否）。如果开启，载入显示行号等的包，只为开发调试用。

```
3558 \__hit_bool_option:nn{false}{debug}
```

是否使用右开页（默认否）。

```
3559 \_hit_bool_option:nn{false}{openright}
```

是否为提交图书馆电子版。

```
3560 \_hit_bool_option:nn{false}{library}
```

图题和标题最后一行是否居中对齐（默认是，非规范要求）。

```
3561 \_hit_bool_option:nn{false}{capcenterlast}
```

子图图题和标题最后一行是否居中对齐（默认是，非规范要求）。

```
3562 \_hit_bool_option:nn{false}{subcapcenterlast}
```

中文目录中 Abstract 是否均为大写

```
3563 \_hit_bool_option:nn{false}{absupper}
```

此处添加控制本科论文的页码横线选项 由于本科论文模板的页码格式现已统一，修改 `bsmainpagenumberline` 默认设置为 `true`

```
3564 \_hit_bool_option:nn{true}{bsmainpagenumberline}
```

```
3565 \bool_if:cTF {l__hit_harbin_bool} {\bool_if:cTF {l__hit_bachelor_bool} {
```

```
3566 \_hit_bool_option:nn{true}{bsfrontpagenumberline}~
```

```
3567 } {\_hit_bool_option:nn{false}{bsfrontpagenumberline}}}
```

```
3568 } {\_hit_bool_option:nn{false}{bsfrontpagenumberline}}}
```

```
3569 \_hit_bool_option:nn{true}{bsheadrule}
```

数学字体是否使用新罗马

```
3570 \_hit_bool_option:nn{true}{newtxmath}
```

此处应广大刀客要求添加一参考文献分割开关

```
3571 \_hit_bool_option:nn{false}{splitbibitem}
```

此处添加英文目录开关

```
3572 \_hit_bool_option:nn{false}{engtoc}
```

声明字体选项。

```
3573 \_hit_string_option_declare:n{fontset}
```

将其余选项默认传递给 `ctexbook`。

解析用户传递过来的选项，并加载 `ctexbook`。

```
3574 \_hit_class_options_process:n{ctexbook}
```

使用 $\text{\LaTeX}$ 引擎时，`fontspec` 宏包会被 `xeCJK` 自动调用。传递给 `fontspec` 宏包 `<no-math>` 选项，避免部分数学符号字体自动调整为 `CMR`。其他引擎下没有这个问题，这一行会被无视。

```
3575 \PassOptionsToPackage{no-math}{fontspec}
```

`newtx` 更新至 v1.7 版本后与 `ctex` 宏包冲突，需要手动引入 `<nofontspec>` 选项。判断方法为是否存在 v1.7 更新后的新宏包 `newtx.sty` 载入单双面打印设置，本、硕单面，博士双面。

```
3576 \bool_if:cTF {l__hit_bachelor_bool} {
```

```
3577 \PassOptionsToClass{oneside}{book}~
```

```
3578 } {}
```

```
3579 \bool_if:cTF {l__hit_master_bool} {
```

```
3580 \PassOptionsToClass{oneside}{book}~
```

```
3581 } {}
```

```
3582 \bool_if:cTF {l__hit_doctor_bool} {
```

```
3583 \PassOptionsToClass{twoside}{book}~
```

```
3584 } {}
```

设置字体。由于宋体没有粗体，且我工模板的标题要求使用粗宋体，于是面临 CTeX 的经典伪粗体 bug：“首次出现伪粗体字体之后的正常字体无法复制”。但如果使用自带宋体的思源字体，那么不必使用伪粗体。模板只给出了新 windows 字体的思源字体设置，且思源字体版本为 Adobe 版。

```

3585 \RequirePackage{ifthen}
3586 \_hit_text_if_equal:nnTF{\hit@fontset}{}%
3587 {%
3588   \PassOptionsToPackage{AutoFakeBold=2}{xeCJK}~
3589 }%
3590 {%
3591   \_hit_text_if_equal:nnTF{\hit@fontset}{siyuan}%
3592   {\relax}%
3593   {%
3594     \PassOptionsToPackage{AutoFakeBold=2}{xeCJK}~
3595   }%
3596   \PassOptionsToClass{fontset=\hit@fontset}{ctexbook}~
3597 }%

```

使用 ctexbook 类，优于调用 ctex 宏包。

```

3598 \LoadClass[a4paper,openany,UTF8,zihao=-4,scheme=plain]{ctexbook}

```

用户至少要提供一个选项，指定论文类型。

```

3599 \bool_if:cTF {l__hit_bachelor_bool} {\relax} {
3600   \bool_if:cTF {l__hit_master_bool} {\relax} {
3601     \bool_if:cTF {l__hit_doctor_bool} {\relax} {
3602       \bool_if:cTF {l__hit_postdoc_bool} {\relax} {
3603         \ClassError{hithesis}{%
3604           \MessageBreak Please~specify~thesis~type~in~option:~
3605           \MessageBreak type=[bachelor~|~master~|~doctor~|~postdoc]}{~
3606       }
3607     }
3608   }
3609 }

```

设置字距默认选项

```

3610 \bool_if:cTF {l__hit_zijvregu_bool} {\relax} {
3611   \bool_if:cTF {l__hit_zijvword_bool} {\relax} {
3612     \_hit_bool_set_true:n {zijvregu}
3613   }
3614 }

```

重新设置 geometry 的默认选项

```

3615 \bool_if:cTF {l__hit_geometrynewone_bool} {\relax} {
3616   \bool_if:cTF {l__hit_geometrynewtwo_bool} {\relax} {
3617     \bool_if:cTF {l__hit_geometrynewno_bool} {\relax} {
3618       \_hit_bool_set_true:n {geometrynewtwo}
3619     }
3620   }
3621 }

```

4.3 装载宏包

引用的宏包和相应的定义。

```

3622 \RequirePackage{etoolbox}
3623 \RequirePackage{ifxetex}
3624 \_hit_engine_if_xetex:TF{}{%
3625   \ClassError{hithesis}{Please-use:~\MessageBreak xelatex}{}~
3626 }
3627 \RequirePackage{xparse}

```

$\text{\LaTeX}$ 宏包, 用来排出更加漂亮的公式。

```
3628 \RequirePackage{amsmath}
```

定理类环境宏包, 其中 `amsmath` 选项用来兼容 $\text{\LaTeX}$ 的宏包

```

3629 \RequirePackage{amsmath,thmmarks,hyperref}{ntheorem}
3630 \RequirePackage{amssymb}

```

删除 `newtxtext`, 由于最新一次更新 (revision 62369) 中与 `ctex` 宏包冲突, 且无法解决, 将正文字体替换为 `TG TermesX` 与 `TG Heros`.

```

3631 \setmainfont{TeXGyreTermesX}[
3632   UprightFont~==*-Regular~,
3633   BoldFont~==*-Bold~,
3634   ItalicFont~==*-Italic~,
3635   BoldItalicFont~==*-BoldItalic~,
3636   Extension~==.otf~,
3637 ]
3638 \setsansfont{texgyreheros}[
3639   UprightFont~==*-regular~,
3640   BoldFont~==*-bold~,
3641   ItalicFont~==*-italic~,
3642   BoldItalicFont~==*-bolditalic~,
3643   Extension~==.otf~,
3644 ]

```

删除 `courier`, 将 `mono` 字体替换为 `TG Cursor`, 至此将正文字体全面替换为 `OpenType`.

```

3645 \setmonofont{texgyrecursor}[
3646   UprightFont~==*-regular~,
3647   BoldFont~==*-bold~,
3648   ItalicFont~==*-italic~,
3649   BoldItalicFont~==*-bolditalic~,
3650   Extension~==.otf~,
3651 ]

```

单独使用 `newtxmath` 宏包改变数学字体时, 会使 `operators`, `\mathrm`, `\mathit`, `\mathbf` 命令使用 `CM` 字体, 根据 [SJTUThesis 的字体设置](#) 进行调整

```

3652 \bool_if:cTF {l_hit_newtxmath_bool} {
3653   \cs_set_eq:NN \oldencodingdefault \encodingdefault
3654   \cs_set_eq:NN \oldrmdefault \rmdefault
3655   \cs_set_eq:NN \oldsfdefault \sfdefault
3656   \cs_set_eq:NN \oldttdefault \ttdefault

3657   \cs_set_nopar:Npn \encodingdefault {T1}~
3658   \cs_set:Npn \rmdefault {ntxtlf}~
3659   \cs_set:Npn \sfdefault {qhv}~
3660   \cs_set:Npn \ttdefault {ntxtt}~

```

```

3661 \RequirePackage{newtxmath}~
3662 \cs_set_eq:NN \encodingdefault \oldencodingdefault
3663 \cs_set_eq:NN \rmdefault \oldrmdefault
3664 \cs_set_eq:NN \sfdefault \oldsfdefault
3665 \cs_set_eq:NN \ttdefault \oldttdefault
3666 } {}

```

图形支持宏包。

```
3667 \RequirePackage{graphicx}
```

pdfpages 宏包便于我们插入扫描后的授权页和声明页 PDF 文档。

```

3668 \RequirePackage{pdfpages}
3669 \includepdfset{fitpaper=true}

```

更好的列表环境。

```

3670 \RequirePackage{enumitem}~% 使用 enumitem 宏包, 改变列表项的格式
3671 \RequirePackage{environ}

```

禁止 L^AT_EX 自动调整多余的页面底部空白, 并保持脚注仍然在底部。脚注按页编号。

```

3672 \bool_if:cTF {l__hit_raggedbottom_bool} {
3673   \RequirePackage[bottom,perpage,hang]{footmisc}~
3674   \raggedbottom
3675 } {
3676   \RequirePackage[perpage,hang]{footmisc}~
3677 }

```

脚注格式。

```

3678 \bool_if:cTF {l__hit_pifootnote_bool} {
3679   \RequirePackage{pifont}~
3680 } {}

```

利用 xeCJKfntef 实现汉字的下划线和盒子内两段对齐, 并可以避免 `\makebox[⟨width⟩][⟨s⟩]` 可能产生的 underful boxes。

```
3681 \RequirePackage{xeCJKfntef}
```

表格控制

```
3682 \RequirePackage{longtable}
```

使用三线表: `\toprule`, `\midrule`, `\bottomrule`。

```
3683 \RequirePackage{booktabs}
```

重定义 booktabs 宏包的默认线宽, 绘制三线表时不再需要显式设置, 以实现更好的内容与格式分离

```

3684 \heavyrulewidth=1.5pt
3685 \lightrulewidth=1pt
3686 \cmidrulewidth=0.5pt

```

参考文献引用宏包。

```
3687 % \RequirePackage[sort&compress]{natbib}
```

生成有书签的 pdf 及其开关, 请结合 gbk2uni 避免书签乱码。

```

3688 \RequirePackage{hyperref}
3689 \hypersetup{%
3690   CJKbookmarks=true,~

```

```

3691 linktoc=all,~
3692 bookmarksnumbered=true,~
3693 bookmarksopen=true,~
3694 bookmarksopenlevel=1,~
3695 breaklinks=true,~
3696 colorlinks=false,~
3697 plainpages=false,~
3698 pdfborder=0~0~0~
3699 }

```

设置 url 样式，与上下文一致

```

3700 \urlstyle{same}

```

根据窝工 2021 年的“四月革命”，引用文献标准更新到 GBT2015

```

3701 \RequirePackage[sort&compress]{gbt7714}
3702 \bool_if:cTF {l__hit_citetwocomma_bool} {
3703   \hit@legacy@patch@b%
3704 } {}

```

4.4 页面设置

本来这部分应该是最容易设置的，但根据我工《哈尔滨工业大学研究生学位论文撰写规范》的 3.8.3.4.3.2 节的版芯矛盾，此处设置两种版芯。

```

3705 \prop_new:N \c__hit_book_geometry_prop
3706 \prop_gset_from_keyval:Nn \c__hit_book_geometry_prop
3707 {
3708   two =
3709     {centering,text={150true~mm,236true~mm},left=30true~mm,
3710      head=5true~mm,headsep=2true~mm,footskip=0true~mm,foot=5.2true~mm},
3711   one =
3712     {centering,text={150true~mm,240true~mm},left=30true~mm,
3713      head=5true~mm,headsep=0true~mm,footskip=0true~mm,foot=0true~mm},
3714   no =
3715     {text={150true~mm,224true~mm},top=35.5true~mm,left=30true~mm,
3716      head=5true~mm,headsep=2.5true~mm,foot=8.5true~mm}
3717 }
3718 \tl_new:N \l__hit_geometry_options_tl
3719 \cs_new_protected:Npn \__hit_book_geometry_apply:n #1
3720 {
3721   \prop_get:NnN \c__hit_book_geometry_prop {#1} \l__hit_geometry_options_tl
3722   \exp_args:NV \geometry \l__hit_geometry_options_tl
3723 }
3724 \cs_new_protected:Npn \__hit_book_geometry_setup:
3725 {
3726   \bool_if:cTF {l__hit_debug_bool}
3727     {\RequirePackage[showframe]{geometry}} {\RequirePackage{geometry}}
3728   \geometry{a4paper,hcentering,ignoreall,nomarginpar}
3729   \bool_if:cTF {l__hit_geometrynewtwo_bool}
3730     {\__hit_book_geometry_apply:n {two}}
3731     {\bool_if:cTF {l__hit_geometrynewone_bool}

```

```

3732         {\_hit_book_geometry_apply:n {one}} {\_hit_book_geometry_apply:n {no}}}
3733     \bool_lazy_and:nnT
3734     {\bool_if_p:c {l__hit_harbin_bool}}
3735     {\bool_if_p:c {l__hit_bachelor_bool}}
3736     {\geometry{top=36.5true~mm,headsep=1true~mm,bottom=28.8true~mm}}
3737 }
3738 \_hit_book_geometry_setup:

```

添加版芯设置选项

为哈尔滨本科特意改了页眉位置。

载入显示行号的包。

```

3739 \bool_if:cTF {l__hit_debug_bool} {%
3740 \RequirePackage{layout}~
3741 \RequirePackage{layouts}~
3742 \RequirePackage{lineno}~
3743 } {}

```

利用 fancyhdr 设置页眉页脚。

```
3744 \RequirePackage{fancyhdr}
```

其他包，表格、数学符号包

```

3745 \RequirePackage{tabularx}
3746 \RequirePackage{varwidth}

```

此处 changepage 环境用来控制索引页面的左右边距，规范中给出的示例的边距要大于正文。

```

3747 \RequirePackage{changepage}
3748 \RequirePackage{multicol}
3749 \RequirePackage[below]{placeins}% 允许上一个 section 的浮动图形出现在下一个 section 的开始部分，还提供\FloatBarrier 命令，使所有未处理的浮动图形立即被处理
3750 \RequirePackage{flafter}~% 使得所有浮动体不能被放置在其浮动环境之前，以免浮动体在引述它的文本之前出现。
3751 \RequirePackage{multirow}~% 使用 Multirow 宏包，使得表格可以合并多个 row 格
3752 \bool_if:cTF {l__hit_subcapcenterlast_bool} {
3753 \PassOptionsToPackage{centerlast}{subfigure}~
3754 } {}
3755 \RequirePackage{subfigure}% 支持子图 %centerlast 设置最后一行是否居中
3756 \RequirePackage[subfigure]{ccaption}~% 支持双语标题

```

中英文索引包。

```

3757 \RequirePackage[makeindex]{splitidx}
3758 \newindex[] {china}
3759 \newindex[] {english}

```

排版 logo。

```
3760 </bookcls>
```

4.5 主文档格式

4.5.1 Three matters

```

3761 \bookcls)
3762 \bool_if:cTF {l__hit_english_bool} {
    在 glossaries 中表示 \glossarystyle 这个命令 Deprecated in v3.08a. Removed in v4.50.
3763 \RequirePackage[xindy,order=letter]{glossaries-extra}~
3764 \newglossarystyle{engstyle}{%
3765   \setglossarystyle{long}%
3766   \cs_set:Npn \theglossary
3767     {\vspace{-\intextsep}\centering\begin{longtable}{@{\hskip 1cm}p{3.5cm}p{\glsdescwidth}}}
3768   \cs_set:Npn \endtheglossary
3769     {\end{longtable}}}~
3770 \setabbreviationstyle[acronym]{long-short}~
3771 } {
3772 \RequirePackage{glossaries}~
3773 \setacronymstyle{short-long}~
3774 }
3775
3776 \cs_set:nopar:Npn \genacrfullformat #1 #2 {%
3777   \glsentrylong{#1}%
3778 }
3779 \bool_if:cTF {l__hit_english_bool} {
3780 \makenoidxglossaries
3781 } {
3782 \makeglossaries
3783 }

```

`\cleardoublepage` 对于 *openright* 选项，必须保证章首页右开，且如果前章末页无内容须清空其页眉页脚。如果 *library* 为真，则强制设置 *openright* 为真。

```

3784 \bool_if:cTF {l__hit_library_bool} {\__hit_bool_set_false:n {openright}} {\relax}
3785 \cs_set_eq:NN \hit@cleardoublepage \cleardoublepage
3786 \cs_new:Npn \__hit_clear_empty_double_page:N #1
3787   {\clearpage{\pagestyle{hit@empty}#1}}
3788 \cs_new:Npn \__hit_clear_empty_double_page: {%
3789   \__hit_clear_empty_double_page:N \hit@cleardoublepage ~
3790 }
3791 \cs_set_eq:NN \cleardoublepage \__hit_clear_empty_double_page:

```

`\frontmatter` 我们的单面和双面模式与常规的不太一样。

```

3792 \cs_new:Npn \__hit_frontmatter:
3793   {%
3794   \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
3795   \@mainmatterfalse
3796   \pagenumbering{Roman}~
3797   \pagestyle{hit@empty}~

```

窝工深圳模板范例，一行 34 个字 添加 33 行字选项

```

3798 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
3799 \bool_if:cTF {l__hit_zijvword_bool} {
3800 \ziju{0.05416667}~
3801 } {
3802 \bool_if:cTF {l__hit_zijvregu_bool} {

```

```

3803 \ziju{0.05580808}~
3804 } {}
3805 }
3806 }

```

\mainmatter 根据打印店（伪官方）的猛虎式操作，\mainmatter 命令的逻辑是，双面打印时第一章必须在奇数页（不看文档别怪我）。

```

3807 \cs_set:Npn \frontmatter {\__hit_frontmatter:}
3808 \cs_new:Npn \__hit_mainmatter:
3809   {%
3810   \bool_if:cTF {l__hit_english_bool} {
3811     \relax
3812   } {
3813     \bool_if:cTF {l__hit_tocblank_bool} {%
3814     \addtocontents{toc}{\vspace{\baselineskip}}~% 规范中并没有这一要求，此处不应该加
3815     \addtocontents{toe}{\vspace{\baselineskip}}~
3816   } {}%
3817   }

```

添加英文版限制

```

3818 \bool_if:cTF {l__hit_doctor_bool} {%
3819 \bool_if:cTF {l__hit_library_bool} {\clearpage} {\cleardoublepage}
3820 } {%
3821 \clearpage
3822 }%
3823 \@mainmattertrue
3824 \pagenumbering{arabic}~
3825 \pagestyle{hit@headings}~
3826 }

```

\backmatter

```

3827 \cs_set:Npn \mainmatter {\__hit_mainmatter:}
3828 \cs_new:Npn \__hit_backmatter:
3829   {%
3830   \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
3831   \@mainmattertrue}
3832 \cs_set:Npn \backmatter {\__hit_backmatter:}
3833 \</bookcls>

```

4.5.2 字体

\normalsize 根据我工规定，正文小四号 (12bp) 字，行距为固定值 3–4mm。

```

3834 \<*bookcls>

```

1bp = 1/72 inch, 1 inch = 25.4 mm

```

3835 \cs_set:Npn \normalsize {%
3836   \@setfontsize\normalsize{12bp}{\bool_if:cTF {l__hit_glue_bool} { 20.50394bp~\@plus 2.834646bp~\@mi
3837   \abovedisplayskip=8pt~
3838   \abovedisplayshortskip=8pt~
3839   \belowdisplayskip=\abovedisplayskip
3840   \belowdisplayshortskip=\abovedisplayshortskip}

```

WORD 中的字号对应该关系如下 (1bp = 72.27/72 pt) :

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	

`\hit_fontsize_declare:nn` 根据习惯定义字号。用法: `\hit@def@fontsize{<字号名称>}{<磅数>}` 避免了字号选择和行距的紧耦合。所有字号定义时为单倍行距, 并提供选项指定行距倍数。

```

3841
3842 \cs_new_protected:Npn \__hit_fontsize_declare:nn #1#2
3843 {
3844   \exp_args:Nc \NewDocumentCommand {#1} { 0{1.3} }
3845     { \fontsize {#2} { ##1 \dimexpr #2 } \selectfont }
3846 }
3847

```

`\dachu` 一组字号定义。

```

\chuhao 3848 \__hit_fontsize_declare:nn{dachu}{58bp}
\xiaochu 3849 \__hit_fontsize_declare:nn{chuhao}{42bp}
\yihao 3850 \__hit_fontsize_declare:nn{xiaochu}{36bp}
\xiaoyi 3851 \__hit_fontsize_declare:nn{yihao}{26bp}
\erhao 3852 \__hit_fontsize_declare:nn{xiaoyi}{24bp}
\xiaoer 3853 \__hit_fontsize_declare:nn{erhao}{22bp}
\sanhao 3854 \__hit_fontsize_declare:nn{xiaoer}{18bp}
\banxiao 3855 \__hit_fontsize_declare:nn{sanhao}{16bp}

```

`\xsanhao` `\xsanhao` 为了深圳校区本科生的原创性声明标题。在规范中标题的字体为“三号”, 但是如果使用 `\sanhao` 则不能在一行排下, 故参考 [HITSZThesis](#) 的做法, 定义一个稍微小一些的字号。

```

\banxiaosi 3856 \__hit_fontsize_declare:nn{xsanhao}{15.9bp}
\xiaosi 3857 \__hit_fontsize_declare:nn{xiaosan}{15bp}
\dawu 3858 \__hit_fontsize_declare:nn{sihao}{14bp}
\wuhao 3859 \__hit_fontsize_declare:nn{banxiaosi}{13bp}
\xiaowu 3860 \__hit_fontsize_declare:nn{xiaosi}{12bp}
\liuhao
\xiaoliu
\qihao
\bahao

```

```

3861 \_hit_fontsize_declare:nn{dawu}{11bp}
3862 \_hit_fontsize_declare:nn{wuhao}{10.5bp}
3863 \_hit_fontsize_declare:nn{xiaowu}{9bp}
3864 \_hit_fontsize_declare:nn{liuhao}{7.5bp}
3865 \_hit_fontsize_declare:nn{xiaoliu}{6.5bp}
3866 \_hit_fontsize_declare:nn{qihao}{5.5bp}
3867 \_hit_fontsize_declare:nn{bahao}{5bp}
3868 </bookcls>

```

4.5.3 页眉页脚

`\hit@empty` 定义四种页眉页脚格式：

- `\hit@plain` • `hit@empty`: 页眉页脚都没有
- `\hit@headings` • `hit@plain`: 只显示页脚的页码。`\chapter` 自动调用 `\thispagestyle{\hit@plain}`。
- `hit@headings`: 页眉页脚同时显示
- `hit@scanpage`: 只显示页脚的页码，扫描页专用

```

3869 <(*bookcls)
3870 \cs_set_eq:NN \hit@headrule \headrule
3871 % Reuse the shared rule/number policies introduced in 94a3b53.
3872 \cs_new:Npn \_hit_book_headrule:
3873   {~
3874     \skip_vertical:n {1.190132pt}~
3875     \tex_hrulerule:D height~2.276208pt~width~\headwidth
3876     \skip_vertical:n {0.75pt}~
3877     \tex_hrulerule:D height~0.75pt~width~\headwidth
3878   }
3879 \cs_new:Npn \_hit_page_number_plain: {\thepage}
3880 \cs_new:Npn \_hit_page_number_simple:
3881   {-\nobreakspace{\thepage\nobreakspace}-}
3882 \cs_new:Npn \_hit_page_number_bachelor:
3883   {-\hspace{\l_1_hit_page_number_sep_skip}\thepage\hspace{\l_1_hit_page_number_sep_skip}-}
3884 \cs_new:Npn \_hit_page_number_main:
3885   {\bool_if:cTF {l_1_hit_bsmainpagenumberline_bool}
3886     {\_hit_page_number_bachelor:} {\_hit_page_number_plain:}}
3887 \cs_new:Npn \_hit_page_number_front:
3888   {\bool_if:cTF {l_1_hit_bsfrontpagenumberline_bool}
3889     {\_hit_page_number_bachelor:} {\_hit_page_number_plain:}}
3890 \cs_new:Npn \_hit_page_number_current:
3891   {\legacy_if:nTF {@mainmatter}
3892     {\_hit_page_number_main:} {\_hit_page_number_front:}}
3893 \fancypagestyle{hit@empty}{%
3894   \fancyhf{}~
3895   \cs_set_eq:NN \headrule \hit@headrule %
3896   \cs_set:Npn \headrulewidth {0pt}~
3897   \cs_set:Npn \footrulewidth {0pt}~
3898 }
3899 \fancypagestyle{hit@scanpage}{%
3900   \fancyhf{}~

```

```

3901 \fancyfoot[C]{\xiaowu\_hit_page_number_simple:}~
3902 \cs_set_eq:NN \headrule \relax
3903 \cs_set:Npn \headrulewidth {0pt}~
3904 \cs_set:Npn \footrulewidth {0pt}~
3905 }

```

哈尔滨本科页脚的横线与页码的间距比原来的打，用判断来控制。

```

3906 \skip_new:N \l_hit_page_number_sep_skip
3907 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{bachelor}}
3908 {\skip_set:Nn \l_hit_page_number_sep_skip {.3333333em}}
3909 {\skip_set:Nn \l_hit_page_number_sep_skip {.1666667em}}

```

此处根据本科生模板的多种版本，提供选项自定义页码、页眉样式。

```

3910 \fancypagestyle{hit@headings}{%
3911 \fancyhf{}~
3912 \bool_if:cTF {l_hit_english_bool} {
3913 \fancyhead[C]{\xiaowu[0]\leftmark}~
3914 \fancyfoot[C]{\xiaowu\_hit_page_number_simple:}~
3915 \cs_set_eq:NN \headrule \__hit_book_headrule:
3916 } {

```

添加英文版页眉格式控制

```

3917 \bool_if:cTF {l_hit_postdoc_bool} {

```

添加博后页眉控制

```

3918 \fancyhead[C0]{\songti\xiaowu[0]\leftmark}~
3919 \fancyhead[CE]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {postdoc@documenttitlenos}
3920 } {}
3921 \bool_if:cTF {l_hit_doctor_bool} {
3922 \fancyhead[C0]{\songti\xiaowu[0]\leftmark}~

3923 \bool_if:cTF {l_hit_harbin_bool} {
3924 \fancyhead[CE]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {cxuewei}\__hit_term:n {c
3925 } {}
3926 \bool_if:cTF {l_hit_shenzhen_bool} {
3927 \fancyhead[CE]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\bool_if:cTF {l_hit_doctor_bool} {} {\
3928 } {}
3929 \bool_if:cTF {l_hit_weihai_bool} {
3930 \fancyhead[CE]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {weihaicampus}\__hit_term
3931 } {}
3932 } {
3933 \bool_if:cTF {l_hit_master_bool} {
3934 \bool_if:cTF {l_hit_harbin_bool} {

3935 \fancyhead[C]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {cxuewei}\__hit_term:n {ct
3936 } {}
3937 \bool_if:cTF {l_hit_shenzhen_bool} {

```

根据窝工 2020 年深圳校区新规定，mainmatter 之前都用正文内容作为页眉，之后都用哈尔滨工业大学作为页眉

```

3938 \legacy_if:nTF {@mainmatter} {
3939 \fancyhead[C]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {cdegree}\__hit_term:n {ct

```

```

3940 } {
3941 \fancyhead[C]{\xiaowu[0]\leftmark}~
3942 }
3943 } {}
3944 \bool_if:cTF {l__hit_weihai_bool} {
3945 \fancyhead[C]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {weihaicampus}\__hit_term:
3946 } {}
3947 } {}
3948 }
3949 \bool_if:cTF {l__hit_bachelor_bool} {
3950 \bool_if:cTF {l__hit_harbin_bool} {
3951 \fancyhead[C]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {bachelor@cxuewei}\__hit_t
3952 } {}
3953 \bool_if:cTF {l__hit_shenzhen_bool} {
3954 \fancyhead[C]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {shenzhencampus}\__hit_ter
3955 } {}
3956 \bool_if:cTF {l__hit_weihai_bool} {
3957 \bool_if:cTF {l__hit_bachelor_bool} {

```

此处设置威海本科页眉与本部一样，窝工三个校区规范怎么这么乱???

```

3958 \fancyhead[C]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {bachelor@cxuewei}\__hit_t
3959 } {}
3960 \fancyhead[C]{\songti\xiaowu[0]\__hit_term:n {cschoolname}\__hit_term:n {weihaicampus}\__hit_term:
3961 }
3962 } {}
3963 \fancyfoot[C]{~
3964 \xiaowu
3965 \__hit_page_number_current:
3966 }~
3967 \bool_if:cTF {l__hit_bsheadrule_bool} {
3968 \cs_set_eq:NN \headrule \__hit_book_headrule:
3969 } {}
3970 \cs_set:Npn \headrulewidth {0pt}~
3971 }
3972 } {}
3973 \fancyfoot[C]{\xiaowu\__hit_page_number_simple:}~
3974 \cs_set_eq:NN \headrule \__hit_book_headrule:
3975 }

```

添加一校三区的学校名

```

3976 }
3977 % 此处可能和 word 模板不一致
3978 % 页眉中小五汉字,0 行距时,占用 9bt,页眉高度为 14pt,所以下数字之和要保持等于 14pt-9bt=4.96634pt
3979 % 根据 PlutoThesis 模板中 rule 宽度定义为 2.25, 0.75, 保持粗线和细线之间的间距为细线宽
    度。
3980 % 如果页眉是多行的情况, rule 向下溢出
3981 \cs_set:Npn \footrulewidth {0pt}~
3982 }
3983 \AtBeginDocument{% 此处解决页眉经典 bug
3984 \pagestyle{hit@empty}~
3985 \cs_set:Npn \chaptermark #1 {\@mkboth{\CTEXthechapter\enspace#1}{}}

```

```
3986 </bookcls>
```

4.5.4 段落

全文首行缩进 2 字符，标点符号用全角

```
3987 <*bookcls>
3988 \ctexset{%
3989   punct=quanjiao,~
3990   space=auto,~
3991   autoindent=true}
```

利用 `enumitem` 命令调整默认列表环境间的距离，以符合中文习惯。

```
3992 \setlist{nosep}
3993 </bookcls>
```

4.5.5 脚注

脚注符合中文习惯，数字带圈。

```
3994 <*bookcls>
3995 \cs_set_nopar:Npn \__hit_textcircled:n #1{%
3996   \int_compare:nNnTF {\value{#1}} > {9} {
3997     \ClassError{hithesis}%
3998     {Too~many~footnotes~in~this~page.}{Keep~footnote~less~than~10.}~
3999   } {}
4000   \bool_if:cTF {l__hit_pifootnote_bool} {%
4001     \ding{\the\numexpr\value{#1}+171\relax}%
4002   } {%
4003     \textcircled{\xiaoliu\arabic{#1}}%
4004   }}
4005 \cs_set:Npn \thefootnote {\__hit_textcircled:n{footnote}}
4006 \cs_set:Npn \thempfootnote {\__hit_textcircled:n{mpfootnote}}
```

定义脚注分割线，字号（宋体小五），以及悬挂缩进（1.5 字符）。

```
4007 \cs_set_nopar:Npn \footnoterule {\vskip-3\p@\hrule\@width0.3\textwidth\@height0.4\p@\vskip2.6\p@}
4008 \cs_set_eq:NN \__hit_latex_footnotesize: \footnotesize
4009 \cs_set:Npn \footnotesize {\__hit_latex_footnotesize:\xiaowu[1.5]}
4010 \footnotemargin1.5em\relax
```

`\@makefnmark` 默认是上标样式，而在脚注部分要求为正文大小。利用 `\patchcmd` 动态调整 `\@makefnmark` 的定义。

```
4011 \cs_set_eq:NN \hit@makefnmark \@makefnmark
4012 \cs_set_nopar:Npn \hit@makefnmark {\hbox{\normalfont\thefnmark}}
4013 \hit@legacy@patch@c
4014 \hit@legacy@patch@d
4015 </bookcls>
```

4.5.6 数学相关

允许太长的公式断行、分页等。

```
4016 <*bookcls>
4017 \allowdisplaybreaks[4]
```

4018 \predisplaypenalty=0~% 公式之前可以换页，公式出现在页面顶部

4019 \postdisplaypenalty=0

4020 \cs_set:Npn \theequation {\int_compare:nNnTF {\c@chapter} > {\z@} {\thechapter-} {} \arabic{c@equation}}

公式距前后文的距离由 4 个参数控制，参见 \normalsize 的定义。同时为了让 amsmath 的 \tag* 命令得到正确的格式，我们必须修改这些代码。 \make@df@tag 是定义 \tag* 和 \tag 内部命令的。 \make@df@tag@@ 处理 \tag*，我们就改它！

```
\def\make@df@tag{\@ifstar\make@df@tag@@\make@df@tag@@@}
\def\make@df@tag@@#1{%
  \gdef\df@tag{\maketag@@@{#1}\def\@currentlabel{#1}}}
```

4021 \cs_set_nopar:Npn \make@df@tag {\@ifstar__hit_make_df_tag__:\n\make@df@tag@@@}

4022 \cs_set_nopar:Npn __hit_make_df_tag__:n #1{\cs_gset_nopar:Npn \df@tag {__hit_maketag:n{#1}\cs_set_nopar:Npn \iffalse

4023 \iffalse

4024 \bool_if:cTF {l__hit_bachelor_bool} {

4025 \cs_set_nopar:Npn __hit_maketag:n #1{\maketag@@@{\

4026 (\ignorespaces\text{\equationname\hskip0.5em}#1\unskip\@@italiccorr)}}~

4027 \cs_set_nopar:Npn \tagform@ #1{\maketag@@@{\

4028 (\ignorespaces\text{\equationname\hskip0.5em}#1\unskip\@@italiccorr)\equcaption{#1}}~

4029 } {}

4030 \fi

4031 \cs_set_nopar:Npn __hit_maketag:n #1{\maketag@@@{\ignorespaces #1\unskip\@@italiccorr}}}

4032 \cs_set_nopar:Npn \tagform@ #1{\maketag@@@{\ignorespaces #1\unskip\@@italiccorr)\equcaption{#1}}~

修改 \tagform 会影响 \eqref。

4033 \cs_set:Npn \eqref #1 {\textup{(\ref{#1})}}

4034 \bookcls}

定理标题使用黑体，正文使用宋体，冒号隔开。

4035 \bookcfg}

4036 \theorembodyfont{\normalfont}

4037 \theoremsymbol{\ensuremath{\square}}

4038 \bool_if:cTF {l__hit_english_bool} {

4039 \theoremheaderfont{\normalfont\bf}~

4040 \newtheorem*{proof}{Proof}~

4041 } {}

4042 \theoremheaderfont{\normalfont\heiti}~

4043 \newtheorem*{proof}{证明}~

4044 }

英文版黑体加粗

4045 \theoremstyle{plain}

4046 \theoremsymbol{}

此处去除了冒号，(如果需要在加上这个冒号?)，反正规范中没有。

4047 \theoremseparator{}

4048 \bool_if:cTF {l__hit_english_bool} {

4049 \newtheorem{assumption}{Assumption}[chapter]~

4050 \newtheorem{definition}{Definition}[chapter]~

4051 \newtheorem{proposition}{Proposition}[chapter]~

4052 \newtheorem{lemma}{Lemma}[chapter]~

4053 \newtheorem{theorem}{Theorem}[chapter]~

```

4054 \newtheorem{axiom}{Axiom}[chapter]~
4055 \newtheorem{corollary}{Corollary}[chapter]~
4056 \newtheorem{exercise}{exercise}[chapter]~
4057 \newtheorem{example}{Example}[chapter]~
4058 \newtheorem{remark}{Remark}[chapter]~
4059 \newtheorem{problem}{Problem}[chapter]~
4060 \newtheorem{conjecture}{Conjecture}[chapter]~
4061 \newtheorem{fact}{Fact}[chapter]~
4062 } {
4063 \newtheorem{assumption}{假设}[chapter]~
4064 \newtheorem{definition}{定义}[chapter]~
4065 \newtheorem{proposition}{命题}[chapter]~
4066 \newtheorem{lemma}{引理}[chapter]~
4067 \newtheorem{theorem}{定理}[chapter]~
4068 \newtheorem{axiom}{公理}[chapter]~
4069 \newtheorem{corollary}{推论}[chapter]~
4070 \newtheorem{exercise}{练习}[chapter]~
4071 \newtheorem{example}{例}[chapter]~
4072 \newtheorem{remark}{注释}[chapter]~
4073 \newtheorem{problem}{问题}[chapter]~
4074 \newtheorem{conjecture}{猜想}[chapter]~
4075 \newtheorem{fact}{事实}[chapter]~
4076 }
4077 </bookcfg>
4078 <*artcfg>
4079 \theorembodyfont{\normalfont}
4080 \theoremheaderfont{\normalfont\heiti}
4081 \theoremsymbol{\ensuremath{\square}}
4082 \newtheorem*{proof}{证明}
4083 \theoremstyle{plain}
4084 \theoremsymbol{}
4085 \theoremseparator{}
4086 \newtheorem{assumption}{假设}
4087 \newtheorem{definition}{定义}
4088 \newtheorem{proposition}{命题}
4089 \newtheorem{lemma}{引理}
4090 \newtheorem{theorem}{定理}
4091 \newtheorem{axiom}{公理}
4092 \newtheorem{corollary}{推论}
4093 \newtheorem{exercise}{练习}
4094 \newtheorem{example}{例}
4095 \newtheorem{remark}{注释}
4096 \newtheorem{problem}{问题}
4097 \newtheorem{conjecture}{猜想}
4098 \ctexset{%
4099   contentsname={目\hspace{\ccwd}录},~
4100   figurename= 图,~
4101   tablename= 表 ~
4102 }
4103 \cs_set_eq:NN \CJK@today save \today

```

```

4104 \cs_set_nopar:Npn \CJK@today@small@short {\the\year 年 ~\the\month 月}
4105 \cs_set_nopar:Npn \CJK@today@small {\the\year 年 ~\the\month 月 ~\the\day 日}
4106 \cs_set_nopar:Npn \CJK@today@big@short {\zhdigits{\the\year} 年\zhnumber{\the\month} 月}
4107 \cs_set_nopar:Npn \CJK@today@big {\zhdigits{\the\year} 年\zhnumber{\the\month} 月\zhnumber{\the\day}
    日}
4108 \cs_set_nopar:Npn \CJK@today {\CJK@today@small}
4109 \cs_set:Npn \today {\CJK@today}
4110 \NewDocumentCommand \CJKtoday {O{1}}
4111 {%
4112 \int_case:nn {#1}
4113 {
4114   {0} {\cs_set_nopar:Npn \CJK@today {\CJK@today@save}~
4115 }
4116   {1} {\cs_set_nopar:Npn \CJK@today {\CJK@today@small}~
4117 }
4118   {2} {\cs_set_nopar:Npn \CJK@today {\CJK@today@big}~
4119 }
4120 }}

4121 \cdate{%
4122 \bool_if:cTF {l__hit_bachelor_bool} {
4123 \bool_if:cTF {l__hit_harbin_bool} {
4124 \CJK@today@small@short
4125 } {
4126 \CJK@today@small
4127 }
4128 } {\CJK@today@small@short }
4129 }
4130 \bool_if:cTF {l__hit_doctor_bool} {
4131 \__hit_terms_set:nn {global}
4132 {
4133   cxuweishort = {博},
4134
4135   cxuewei = {\__hit_term:n {cxuweishort} 士},
4136
4137   cdegree = {\g__hit_info_cxueke_tl\__hit_term:n {cxuewei}},
4138 }
4139 \__hit_terms_set:nn {local}
4140 {
4141   cauthortitle = {\__hit_term:n {cxuweishort} 士研究生},
4142 }
4143 } {}
4144 \bool_if:cTF {l__hit_master_bool} {
4145 \__hit_terms_set:nn {global}
4146 {
4147   cxuweishort = {硕},
4148
4149   cxuewei = {\__hit_term:n {cxuweishort} 士},
4150
4151   cdegree = {\g__hit_info_cxueke_tl\__hit_term:n {cxuewei}},

```

```

4152 }
4153 \__hit_terms_set:nn {local}
4154 {
4155     cauthortitle = {\__hit_term:n {cxuweishort} 士研究生},
4156 }
4157 } {}
4158 \bool_if:cTF {l__hit_bachelor_bool} {
4159 \__hit_terms_set:nn {global}
4160 {
4161     cxuewei = {学士},
4162 }
4163 } {}
4164 \__hit_terms_set:nn {local}
4165 {
4166     stage@opening = {开题},
4167
4168     stage@midterm = {中期},
4169
4170     stage@doctype = {报告},
4171

```

咱也不知道谁想的，其他校区的本科毕设叫“毕业设计（论文）”，哈尔滨的叫“毕业论文（设计）”

```

4172     bachelor@cxuewei = {本科},
4173
4174     bachelor@cthesisname = {毕业\bool_if:cTF {l__hit_harbin_bool} { 论文（设计） } { 设计
    （论文） }},
4175
4176     bachelor@cclass = {班号},
4177
4178     bachelor@cmajortitle = {专\hspace{2\ccwd} 业},
4179
4180     bachelor@cstudenttitle = {学\hspace{2\ccwd} 生},
4181
4182     bachelor@cstudentidtitle = {学\hspace{2\ccwd} 号},
4183
4184     bachelor@caffilttitle = {学院},
4185
4186     bachelor@caffilttitlesz = {学院},
4187
4188     bachelor@caffilttitlewh = {学院},
4189
4190     bachelor@csupervisortitle = {指导教师},
4191
4192     bachelor@cdatetitle = {日\hspace{2\ccwd} 期},
4193
4194     bachelor@teachercomment = {指导教师评语: },
4195
4196     bachelor@teachersign = {指导教师签字: },
4197

```

```

4198     bachelor@checkdate = {检查日期: },
4199
4200     cthesisistitleprefix = {题\hspace{.125\ccwd} 目},
4201
4202     graduate@caffilttitle = {\makebox[6\ccwd][s]{\__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{opening}~&&~\__hit_bool_p:n{master}}
院 (部){院 (系)}}},
4203
4204     graduate@cmajortitle = {%
4205 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{opening}~&&~\__hit_bool_p:n{master}}
4206 {\makebox[8\ccwd][s]{学科/专业学位类别}}%
4207 {\makebox[6\ccwd][s]{%
4208 \__hit_bool_expr:nTF{\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{opening}~&&~\__hit_bool_p:n{master}}
4209 {学科\,/\, 专业}}%
4210 {学科}}%
4211 }}%
4212 },
4213
4214     graduate@supervisor = {\makebox[6\ccwd][s]{导师}},
4215
4216     graduate@studenttitle = {\makebox[6\ccwd][s]{研究生}},
4217
4218     graduate@studentid = {\makebox[6\ccwd][s]{学号}},
4219
4220     graduate@datetitle = {\bool_if:cTF {l__hit_opening_bool} {\__hit_term:n {stage@opening}
4221 } {\bool_if:cTF {l__hit_midterm_bool} {\__hit_term:n {stage@midterm}} {} }\__hit_term:n {stage@docty
期}},
4222
4223     graduate@enrolldate = {\makebox[6\ccwd][s]{入学时间}},
4224
4225     graduate@thesistitle = {\makebox[6\ccwd][s]{论文题目}},
4226
4227     graduate@cafflimajor = {\makebox[6\ccwd][s]{学科专业}},
4228
4229     cschoolname = {哈尔滨工业大学},
4230
4231     shenzhencampus = { (深圳) },
4232
4233     cthesisname = {\__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{opening}~&&~\__hit_bool_p:n{master}}
位}{学位论文}},
4234
4235     cthesismidtermcheck = {博\hspace{.125\ccwd} 士\hspace{.125\ccwd} 学\hspace{.125\ccwd}
位\hspace{.125\ccwd} 论\hspace{.125\ccwd} 文\hspace{.125\ccwd} 中\hspace{.125\ccwd} 期\hspace{.125\ccwd}
检\hspace{.125\ccwd} 查\hspace{.125\ccwd} 报\hspace{.125\ccwd} 告},
4236
4237     weihaicampus = { (威海) },
4238
4239     cschoolnametitle = {\__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{bachelor}}{
校}{授予学位单位}},

```

```

4240
4241     cdatetitle = {答辩日期},
4242
4243     caffilttitle = {所在单位},
4244
4245     csubjecttitle = {学科},
4246
4247     cdegreetitle = {申请学位},
4248
4249     csupervisortitle = {导师},
4250
4251     cassosupervisortitle = {副导师},
4252
4253     ccosupervisortitle = {联合导师},
4254
4255     title@cssep = { : },
4256
4257     natclassifiedindextitle = {国内图书分类号},
4258
4259     internatclassifiedindextitle = {国际图书分类号},
4260
4261     secretlevel = {密级},
4262
4263     schoolidtitle = {学校代码},
4264
4265     schoolid = {10213},
4266 }
4267 \__hit_terms_set:nn {new}
4268 {
4269     authorsig = {作者签名: },
4270
4271     teachersig = {导师签名: },
4272
4273     frontdate = {日期: },
4274
4275     authorizationtitle = {学位论文使用权限},
4276
4277 % \newcommand{\__hit_term:n {shenzhen@schoolbottommark}}{
4278 %     \begin{center}
4279 %         \songti\sanhao\textbf{哈工大（深圳）制}
4280 %     \end{center}
4281 %     \begin{center}
4282 %         \songti\sanhao\textbf{二〇一二年三月}
4283 %     \end{center}
4284 % }

    此处删除了时间
4285     harbin@schoolbottommark = {~
4286 \begin{center}~
4287 \songti\sanhao\textbf{研究生院制}~

```

```

4288 \end{center}~
4289 },
4290
4291     harbin@bachelor@schoolbottommark = {~
4292 \begin{center}~
4293 % \lishu\xiaoer\textbf{哈尔滨工业大学教务处制}
4294 \includegraphics{hithesis-hrb-bachelor-bottommark.eps}~
4295 \end{center}~
4296 },
4297
4298     shenzhen@master@schoolbottommark = {~
4299 \begin{center}~
4300 \songti\sanhao\textbf{深圳校区教务部\nobreakspace{} 制}~
4301 \end{center}~
4302 },
4303
4304     shenzhen@doctor@midterm@note = {~
4305 \thispagestyle{empty}~
4306 {\begin{center}~
4307 \songti\sanhao\textbf{说\hspace{4\ccwd} 明}~
4308 \end{center}~
4309 }~
4310 \vspace{1cm}\songti\sihao[2]~
4311 \begin{enumerate}[itemsep=-4bp]~
4312 \item 博士研究生学位论文中期报告一般在入学后的第五学期末完成。~
4313 \item 此报告由学生本人填写，请导师签字后提交一份给检查小组。答辩结束后由检查组长签署意见。~
4314 \item 报告经中期报告检查组长签字同意后，由学科部保存，以备论文答辩时参考。研究生院学生培养处
      将对研究生的学位论文中期报告进行抽查。~
4315 \item 报告统一用 A4 纸打印。~
4316 \end{enumerate}~
4317 },
4318
4319     datefill = {\hspace{2.5em} 年\hspace{1.5em} 月\hspace{1.5em} 日},
4320 }
4321 \__hit_terms_set:nn {local}
4322 {
4323     hi = {嗨! thesis},
4324 }
4325 \cs_set_nopar:Npn \hithesis {\textsc{hi}\-\textsc{Thesis}}
4326 \cs_set_nopar:Npn \hit {哈尔滨工业大学}
4327 </artcfg>

```

4.5.7 浮动对象以及表格

设置浮动对象和文字之间的距离，由于规范中没有明确规定，根据经验，设置成正文汉字高度。

```

4328 <*bookcls>
4329 \bool_if:cTF {l__hit_postdoc_bool} {

```

```

4330 \skip_set:Nn \intextsep {10.5bp}~
4331 \skip_set:Nn \textfloatsep {10.5bp}~
4332 \skip_set:Nn \floatsep {10.5bp}~

```

添加博后的浮动间距设置

```

4333 } {
4334 \skip_set:Nn \intextsep {\bool_if:cTF {l__hit_glue_bool} { 8.50398bp~\@plus 2.83465bp~\@minus 0bp}
4335 \skip_set:Nn \textfloatsep {\bool_if:cTF {l__hit_glue_bool} { 8.50398bp~\@plus 2.83465bp~\@minus 0bp}
4336 \skip_set:Nn \floatsep {\bool_if:cTF {l__hit_glue_bool} { 12bp~\@plus 2.83465bp~\@minus 0bp} { 12bp}
4337 }

```

此处设置 float 在 p 选项时间隔, 此处不设置 \@fptop 和 \@fpbot 以确保居中。下面这组命令使浮动对象的缺省值稍微宽松一点, 从而防止幅度对象占据过多的文本页面, 也可以防止在很大空白的浮动页上放置很小的图形。

```

4338 \tl_gput_right:Nn \appendix {\cs_set_nopar:Npn \thefigure {\thechapter-\arabic{figure}}}
4339 \tl_gput_right:Nn \appendix {\cs_set_nopar:Npn \thetable {\thechapter-\arabic{table}}}
4340 \tl_gput_right:Nn \appendix {\cs_set_nopar:Npn \theequation {\thechapter-\arabic{equation}}}
4341 \cs_set:Npn \textfraction {0.15}
4342 \cs_set:Npn \topfraction {0.85}
4343 \cs_set:Npn \bottomfraction {0.65}
4344 \cs_set:Npn \floatpagefraction {0.60}

```

由于我工的双标题, 导致标题之下多出一空白字符的距离, 去除。

\@makecaption 根据我工规范, 本科和硕博的图题序号之后的空格不一样。《哈尔滨工业大学研究生学位论文撰写规范》2.13.1 中规定: “每个图均应有图题 (由图序和图名组成), 图题不宜有标点符号, 图名在图序之后空 1 个半角字符排写。”《哈尔滨工业大学本科生毕业论文撰写规范》2.13.1 中规定: “每个图均应有图题 (由图序和图名组成), 图题不宜有标点符号, 图名在图序之后空 1 个字符排写。”我工规范中没有明确规定是否标题是否居中对齐, 这里给出一个居中选项自行调整。注意, 我工只规定: “居中书写”。此处不额外添加悬挂处理。

```

4345 \box_new:N \l__hit_caption_measure_box
4346 \box_new:N \l__hit_caption_lines_box
4347 \box_new:N \l__hit_caption_output_box
4348 \box_new:N \l__hit_caption_last_line_box
4349 \cs_new:Npn \__hit_caption_separator:nn #1#2
4350 {\bool_if:nTF {#1} {\hskip #2} {\enskip}}
4351 \cs_new:Npn \__hit_caption_separator:
4352 {\__hit_caption_separator:nn
4353 {\bool_if_p:c {l__hit_bachelor_bool}} {\ccwd}}
4354 \cs_new_protected:Npn \__hit_caption_measure:n #1
4355 {
4356 % Preserve the color grouping used by the original LaTeX savebox.
4357 \hbox_set:Nn \l__hit_caption_measure_box
4358 {\color@setgroup #1\color@endgroup}
4359 }
4360 \cs_new_protected:Npn \__hit_caption_center_last:n #1
4361 {
4362 \skip_vertical:n {6.3bp}
4363 \group_begin:
4364 \vbox_set:Nn \l__hit_caption_lines_box {#1}~

```

```

4365 \vbox_set:Nn \l__hit_caption_output_box
4366 {
4367   \vbox_unpack_drop:N \l__hit_caption_lines_box ~
4368   \box_set_to_last:N \l__hit_caption_last_line_box
4369   \hbox_to_wd:nn {\textwidth}
4370   {\hfill\hbox_unpack:N \l__hit_caption_last_line_box ~\unskip\unskip\hfill}~
4371 }~
4372 \vbox_unpack_drop:N \l__hit_caption_output_box
4373 \group_end: ~
4374 }
4375 \cs_new_protected:Npn \__hit_caption_typeset:n #1
4376 {
4377   \wuhao
4378   \__hit_caption_measure:n {#1}
4379   \dim_compare:nNnTF {\box_wd:N \l__hit_caption_measure_box} > {\hsize}
4380   {
4381     \bool_if:cTF {l__hit_capcenterlast_bool}
4382     {\__hit_caption_center_last:n {#1}} {#1}
4383     \par
4384   }
4385   {
4386     \legacy_if_gset_false:n {@minipage}
4387     \hbox_to_wd:nn {\hsize}
4388     {\hfil\box_use_drop:N \l__hit_caption_measure_box\hfil}
4389   }
4390 }
4391 \cs_new_protected:Npn \__hit_caption_make:nn #1#2
4392 {
4393   \skip_vertical:N \abovecaptionskip
4394   \__hit_caption_typeset:n {#1\__hit_caption_separator: #2}
4395   \skip_vertical:N \belowcaptionskip
4396 }
4397 \cs_set:Npn \@makecaption #1#2 {\__hit_caption_make:nn {#1}{#2}}

```

`\LT@makecaption` 有关 longtable 的 caption 支持

```

4398 % Alignment entry must expand through to longtable's multicolumn before TeX
4399 % starts the cell; the typesetting work inside the cell remains protected.
4400 \cs_new:Npn \__hit_longtable_caption:nnn #1#2#3
4401 {
4402   \LT@mcol\LT@cols c
4403   {
4404     \hbox_to_wd:nn {Opt}
4405     {
4406       \hss
4407       \parbox[t]\LTcapwidth
4408       {
4409         \__hit_caption_typeset:n {#1{#2\__hit_caption_separator: ~}#3}
4410         \endgraf\skip_vertical:N \belowcaptionskip
4411       }
4412       \hss

```

```

4413     }
4414 }
4415 }
4416 \cs_set:Npn \LT@makecaption #1#2#3
4417 { \__hit_longtable_caption:nnn {#1}{#2}{#3}}

```

`\longbionenumcaption` 长表格的双语标题是一个坑。因为第一不能用浮动格式，只能用 `longtable` 包中的 `tabular`，这样标题只能使用表格中前两行来写。这样出现了一个问题是，中英标题的间距，标题和表第一行间距，表格内部间距等多个变量的协调问题。这个问题只要使用 `tabular` 的形式，就是无解的。唯一的方法就是把这些参数都给用户列出来。以下，第 2, 5 参数为中英双语标题内容，1, 4 为标题参数。6 为中英标题间距，7 为表题和表格间距。

```

4418 \cs_set_nopar:Npn \longbionenumcaption #1 #2 #3 #4 #5 #6 #7 {%
4419 \if@contemptyarg{#1}{\caption{#2}}{\caption[#1]{#2}}}%
4420 \cs_gset_eq:NN \@cont@oldtablename \tablename
4421 \cs_gset_nopar:Npn \tablename {#3}~
4422 \cs_gset_eq:NN \LT@c@option \@cont@LT@nonumintoc
4423 \[\[ #6]~
4424 \if@contemptyarg{#4}{\caption{#5}}{\caption[#4]{#5}}}%
4425 \cs_gset_eq:NN \tablename \@cont@oldtablename
4426 \cs_gset_eq:NN \LT@c@option \@cont@oldLT@c@option
4427 \vspace{#7}}

```

`\ltfontsize` 我们采用 `longtable` 来处理跨页的表格。同样我们需要设置其默认字体为五号，行距设置为 1.3 倍行距。此处还需要提供一个设置长表格内部字体的命令。

```

4428 \cs_set_eq:NN \__hit_longtable_array:w \LT@array
4429 \cs_set_nopar:Npn \LT@array {\wuhao\__hit_longtable_array:w}~% set default font size
4430 \cs_new:Npn \ltfontsize #1 {\cs_set_nopar:Npn \LT@array {#1\__hit_longtable_array:w}}

```

图表名称及格式。

```

4431 \cs_set:Npn \thesubtable {(\alph{subtable})}
4432 \cs_set:Npn \thefigure {\arabic{chapter}-\arabic{figure}}% 使图编号为 7-1 的格式 %\protect{-}

4433 \cs_set:Npn \thesubfigure {(\alph{subfigure})}% 使子图编号为 a) 的格式
4434 \exp_args:Nnne \tl_set_rescan:Nnn \p@subfigure
4435 {\char_set_catcode_active:n {126}}
4436 {\exp_not:N \thefigure \c_tilde_str}
4437 % 使子图引用为 7-1 a) 的格式，保留写入 aux 的原版活动字符 ~。
4438 \cs_set:Npn \thetable {\arabic{chapter}-\arabic{table}}% 使表编号为 7-1 的格式

```

调整罗列环境、浮动格式、间距。

```

4439 \setitemize{leftmargin=0em,itemsep=0em,partopsep=0em,parsep=0em,topsep=0em,itemindent=3em}
4440 \setenumerate{leftmargin=0em,itemsep=0em,partopsep=0em,parsep=0em,topsep=0em,itemindent=3.5em}
4441 \cs_new:Npn \citeup #1 {\textsuperscript{\cite{#1}}}

```

此处删除 `hang caption` 的设置

```

4442 \captionnamefont{\wuhao}
4443 \captiontitlefont{\wuhao}
4444 \cs_set:Npn \subcapsize {\wuhao}
4445 \skip_set:Nn \abovecaptionskip {0pt}% 为了双标题之间的间距，不能设置
4446 \skip_set:Nn \belowcaptionskip {0pt}

```

```

4447 % 自定义项目列表标签及格式 \begin{publist} 列表项 \end{publist}
4448 \newcounter{pubctr}~% 自定义新计数器
4449 \cs_new:Npn \publist
4450   {%%}% 定义新环境
4451 \begin{list}{[\arabic{pubctr}]}~% 标签格式
4452   {~
4453     \usecounter{pubctr}~
4454     \skip_set:Nn \leftmargin {1.7em}~% 左边界 \leftmargin =\itemindent + \labelwidth + \labelsep
4455     \skip_set:Nn \itemindent {0em}~% 标号缩进量
4456     \skip_set:Nn \labelsep {0.5em}~% 标号和列表项之间的距离, 默认 0.5em
4457     \skip_set:Nn \rightmargin {0em}~% 右边界
4458     \skip_set:Nn \topsep {0ex}~% 列表到上下文的垂直距离
4459     \skip_set:Nn \parsep {0ex}~% 段落间距
4460     \skip_set:Nn \itemsep {0ex}~% 标签间距
4461     \skip_set:Nn \listparindent {0pt}~% 段落缩进量
4462   }}
4463 \cs_new:Npn \endpublist
4464   {\end{list}}

```

设置定理定义格式

```

4465 \renewtheoremstyle{plain}
4466 {\item[\hspace\labelsep \theorem@headerfont ##1\ ##2\theorem@separator]}
4467 {\item[\hspace\labelsep \theorem@headerfont ##1\ ##2\ ##3\theorem@separator]}
4468 \theorembodyfont{\songti\rmfamily}
4469 \theoremheaderfont{\heiti\rmfamily}
4470 \theoremsymbol{$\square$}
4471 \skip_set:Nn \theorempreskipamount {0pt}
4472 \skip_set:Nn \theorempostskipamount {-2pt}
4473 \skip_set:Nn \parindent {2em}
4474 \arraycolsep=1.6pt
4475 \bookcls

```

4.5.8 章节标题

```

4476 \bookcfg
4477 \bool_if:cTF {l__hit_english_bool} {
4478   \ctexset{%
4479     chapter/name={Chapter\enskip},~
4480     appendixname={Appendix},~
4481     contentsname={Contents},~
4482     listfigurename={List~of~Figures},~
4483     listtablename={List~of~Tables},~
4484     figurename={Figure},~
4485     tablename={Table},~
4486     bibname={References},~
4487   }~
4488 } {
4489   \ctexset{%
4490     chapter/name={第, 章},~
4491     appendixname= 附录,~
4492     contentsname={目\hspace{\ccwd} 录},~

```

```

4493 listfigurename= 插图索引,~
4494 listtablename= 表格索引,~
4495 figurename= 图,~
4496 tablename= 表,~
4497 bibname= 参考文献,~
4498 indexname= 索引,~
4499 }~
4500 }
4501 \bool_if:cTF {l__hit_postdoc_bool} {
4502 \ctexset{~
4503 contentsname={目录},~
4504 }~
4505 } {}

```

添加 Article 和 English 版本以及 postdoc 版本标题名称设置

```

4506 \bool_if:cTF {l__hit_english_bool} {
4507 \cs_new:Npn \equationname {Equation}~
4508 } {
4509 \cs_new:Npn \equationname {公式}~
4510 }
4511 \cs_new:Npn \listfigurename {Index~of~figure}
4512 \cs_new:Npn \listtablename {Index~of~table}
4513 \cs_new:Npn \listequationname {Index~of~equation}
4514 \cs_new:Npn \listequationname {公式索引}

```

设置英文版公式名称

```

4515 \cs_new:Npn \abstractname {Abstract~(In~Chinese)}

```

此处删除冗余选项

```

4516 \cs_new:Npn \eabstractname {Abstract}
4517 \cs_new:Npn \eabstractname {Abstract~(In~English)}
4518 \bool_if:cTF {l__hit_postdoc_bool} {
4519 \cs_new:Npn \abstractname {摘要}~
4520 } {
4521 \cs_new:Npn \abstractname {摘\hspace{\ccwd}要}~
4522 }

```

添加博后摘要

```

4523 \__hit_terms_set:nn {new}
4524 {
4525     ckeywords@title = {关键词: },
4526 }
4527 \__hit_terms_set:nn {local}
4528 {
4529     ckeywords@separator = {; },
4530
4531     ekeywords@separator = {,},
4532 }
4533 \cs_set_eq:NN \CJK@todaysave \today
4534 \cs_set_nopar:Npn \CJK@todayssmall@short {\the\year 年 ~\the\month 月}
4535 \cs_set_nopar:Npn \CJK@todayssmall {\the\year 年 ~\the\month 月 ~\the\day 日}
4536 \cs_set_nopar:Npn \CJK@todaybig@short {\zhdigits{\the\year} 年\zhnumber{\the\month} 月}

```

```

4537 \cs_set_nopar:Npn \CJK@todaybig {\zhdigits{\the\year} 年\zhnumber{\the\month} 月\zhnumber{\the\day}
    日}
4538 \cs_set_nopar:Npn \CJK@today {\CJK@todaysmall}
4539 \cs_set:Npn \today {\CJK@today}
4540 \NewDocumentCommand \CJKtoday {O{1}}
4541 {%
4542 \int_case:nn {#1}
4543 {
4544 {0} {\cs_set_nopar:Npn \CJK@today {\CJK@todaysave}~
4545 }
4546 {1} {\cs_set_nopar:Npn \CJK@today {\CJK@todaysmall}~
4547 }
4548 {2} {\cs_set_nopar:Npn \CJK@today {\CJK@todaybig}~
4549 }
4550 }}

```

按照 word 示范要求，此处使用阿拉伯数字

```

4551 \cdate{\bool_if:cTF {l__hit_bachelor_bool} {\CJK@todaysmall} {\CJK@todaysmall@short}}
4552 \edate{\__hit_month_name:n {\month}\unskip,\ \ \the\year}
4553 </bookcfg>

```

按照我工要求，页面中标题之下不少于一行。

```

4554 <*bookcls>
4555 \cs_set_nopar:Npn \__hit_title_font: {%
4556 \bool_if:cTF {l__hit_arialtitle_bool} {\sffamily} {\heiti}}

```

t_chapter_titleformat:n 根据 [issue: #220](#) 为英文摘要标题增加 chapterbold 的判断

```

4557 \cs_new:Npn \__hit_chapter_titleformat:n #1 {% 开启悬挂缩进选项
4558 \bool_if:cTF {l__hit_english_bool} {
4559 \MakeUppercase{#1}~
4560 } {
4561 \__hit_text_if_equal:nnTF{#1}{\eabstractcname}%
4562 {\bool_if:cTF {l__hit_chapterbold_bool} {\bfseries} {} #1}%
4563 % 实现章标题的居中加悬挂缩进,注意,此处一定是\CTEX@chaptername\CTEX@chapter@aftername, 否
    则是英文标题长度
4564 {\bool_if:cTF {l__hit_chapterhang_bool}
4565 {\__hit_measure_width:Nn \tex_hangindent:D {\CTEX@chaptername\CTEX@chapter@aftername}
4566 \int_set:Nn \tex_hangafter:D {1}} {}#1}~
4567 }
4568 }

```

添加英文版目录 chapter title 控制

```

4569 \cs_new:Npn \__hit_chapter_engformat:n #1 {% 开启悬挂缩进选项
4570 \begin{center}~
4571 \__hit_title_font:
4572 \legacy_if:nTF {@mainmatter} {
4573 \xiaoer[1.57481]~
4574 } {
4575 \sanhao[1.57481]~
4576 }\bfseries
4577 #1~

```

```

4578 \end{center}}
4579 \cs_new:Npn \__hit_chapter_engnameformat:n #1 {% 开启悬挂缩进选项
4580 \begin{center}~
4581 \MakeUppercase{#1}~
4582 \end{center}}
4583 \cs_new:Npn \__hit_chapter_postdocformat:n #1 {\centering\__hit_title_font:\xiaoer[1.57481]\textbf{

```

添加博士后标题格式

```

4584 \box_new:N \l__hit_afterheading_indent_box
4585 \cs_set:Npn \@afterheading {%
4586   \@nobreaktrue
4587   \everypar{%
4588     \legacy_if:nTF {@nobreak} {
4589       \@nobreakfalse
4590       \clubpenalty 1~
4591       \legacy_if:nTF {@afterindent} { } {
4592         {\box_set_to_last:N \l__hit_afterheading_indent_box}%
4593       }
4594     } {
4595       \clubpenalty 1~
4596       \everypar{}}%
4597   }}

```

设置一到四级标题、目录、书签格式。

按照规范中规定行距的 mm 数定义各级行距

```

4598 \bool_if:cTF {l__hit_english_bool} {
4599   \ctexset{%
4600     chapter={~
4601       afterindent=true,~
4602       pagestyle={hit@headings},~
4603       beforeskip={28.34646bp},% 一个空行 1.57481 × 18
4604       afterskip={28.74646bp},%0.8 应该不计算间距 0.8 × 18 + 0.57481×18
4605       aftername={\par},~
4606       format={\__hit_chapter_engformat:n},~
4607       nameformat={\__hit_chapter_engnameformat:n},%\center 会影响之后全局
4608       numberformat=\relax,~
4609       titleformat={\__hit_chapter_titleformat:n},~
4610       fixskip=true,~% 添加这一行去除默认间距
4611       %hang=true,
4612     },~
4613     section={~
4614       afterindent=true,~
4615       beforeskip={\bool_if:cTF {l__hit_glue_bool} { 19.84252bp~\@plus 2.834646bp~\@minus 0bp~} { 19.8425
上下空 0.5 行
4616       afterskip={\bool_if:cTF {l__hit_glue_bool} { 19.84252bp~\@plus 2.834646bp~\@minus 0bp~} { 19.84252
4617       format={\__hit_title_font:\bool_if:cTF {l__hit_glue_bool} {\fontsize{15bp}{21bp~\@plus 1.677267bp~
4618       aftername=\enspace,~
4619       fixskip=true,~
4620       break={},~
4621     },~

```

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```

4671 afterskip={\bool_if:cTF {l__hit_glue_bool} { 17.00787bp~\@plus 2.834646bp~\@minus 0bp~} { 17.00787
4672 format={\__hit_title_font:\bool_if:cTF {l__hit_glue_bool} {\fontsize{14bp}{18bp~\@plus 1.842609bp~
4673 aftername=\enspace,~
4674 fixskip=true,~
4675 break={},~
4676 },~
4677 subsubsection={~
4678 afterindent=true,~
4679 beforeskip={\bool_if:cTF {l__hit_glue_bool} { 8.503937bp~\@plus 2.834646bp~\@minus 0bp~} { 8.50393
4680 afterskip={\bool_if:cTF {l__hit_glue_bool} { 8.503937bp~\@plus 2.834646bp~\@minus 0bp~} { 8.503937
4681 format={\__hit_title_font:\normalsize},~
4682 aftername=\enspace,~
4683 fixskip=true,~
4684 break={},~
4685 },~
4686 paragraph/afterindent=true,~
4687 subparagraph/afterindent=true~
4688 }~
4689 \par
4690 } {
4691 \ctexset{%
4692 chapter={~
4693 afterindent=true,~
4694 pagestyle={hit@headings},~
4695 beforeskip={\__hit_bool_expr:nTF{\__hit_bool_p:n{weihai}~&&~\__hit_bool_p:n{bachelor}}{49bp}{28.34
一个空行 1.57481 × 18
4696 afterskip={\__hit_bool_expr:nTF{\__hit_bool_p:n{weihai}~&&~\__hit_bool_p:n{bachelor}}{46bp}{28.746
应该不计算间距 0.8 × 18 + 0.57481×18

```

本部硕士，深圳本科的序号与标题间距为两个半角空格，其余设置为一个半角空格，如果其他规范中有两个半角空格，欢迎提 [issues](#)

```

4697 aftername=%
4698 {%
4699 \__hit_bool_expr:nTF{(\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{master})~||~
4700 (\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{bachelor}))}%
4701 {\quad}{\enspace}%
4702 },~

```

添加本科生章标题加粗选项

```

4703 format={\centering\__hit_title_font:\xiaoe[1.57481]\bool_if:cTF {l__hit_chapterbold_bool} {\bool_
影响之后全局
4704 nameformat=\relax,~
4705 numberformat=\relax,~
4706 titleformat=\__hit_chapter_titleformat:n,~
4707 fixskip=true,~% 添加这一行去除默认间距
4708 %hang=true,
4709 },~
4710 section={~
4711 afterindent=true,~
4712 beforeskip={\bool_if:cTF {l__hit_glue_bool} { 19.84252bp~\@plus 2.834646bp~\@minus 0bp~} { 19.8425
上下空 0.5 行

```

```

4713 afterskip={\bool_if:cTF {l__hit_glue_bool} { 19.84252bp~\@plus 2.834646bp~\@minus 0bp~} { 19.84252
4714 format={\__hit_title_font:\bool_if:cTF {l__hit_glue_bool} {\fontsize{15bp}{21bp~\@plus 1.677267bp~

4715 aftername=%
4716 {%
4717 \__hit_bool_expr:nTF{(\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{master})~||~
4718 ((\__hit_bool_p:n{shenzhen}~||~\__hit_bool_p:n{harbin})~&&~\__hit_bool_p:n{bachelor})}%
4719 {\quad}{\enspace}%
4720 },~
4721 fixskip=true,~
4722 break={},~
4723 },~
4724 subsection={~
4725 afterindent=true,~
4726 beforeskip={\bool_if:cTF {l__hit_glue_bool} { 17.00787bp~\@plus 2.834646bp~\@minus 0bp~} { 17.0078
4727 afterskip={\bool_if:cTF {l__hit_glue_bool} { 17.00787bp~\@plus 2.834646bp~\@minus 0bp~} { 17.00787
4728 format={\__hit_title_font:\bool_if:cTF {l__hit_glue_bool} {\fontsize{14bp}{18bp~\@plus 1.842609bp~

4729 aftername=%
4730 {%
4731 \__hit_bool_expr:nTF{(\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{master})~||~
4732 ((\__hit_bool_p:n{shenzhen}~||~\__hit_bool_p:n{harbin})~&&~\__hit_bool_p:n{bachelor})}%
4733 {\quad}{\enspace}%
4734 },~
4735 fixskip=true,~
4736 break={},~
4737 },~
4738 subsubsection={~
4739 afterindent=true,~
4740 beforeskip={\bool_if:cTF {l__hit_glue_bool} { 8.503937bp~\@plus 2.834646bp~\@minus 0bp~} { 8.50393
4741 afterskip={\bool_if:cTF {l__hit_glue_bool} { 8.503937bp~\@plus 2.834646bp~\@minus 0bp~} { 8.503937
4742 format={\__hit_title_font:\normalsize},~

4743 aftername=%
4744 {%
4745 \__hit_bool_expr:nTF{(\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{master})~||~
4746 ((\__hit_bool_p:n{shenzhen}~||~\__hit_bool_p:n{harbin})~&&~\__hit_bool_p:n{bachelor})}%
4747 {\quad}{\enspace}%
4748 },~
4749 fixskip=true,~
4750 break={},~
4751 },~
4752 paragraph/afterindent=true,~
4753 subparagraph/afterindent=true~
4754 }~
4755 }
4756 }

```

此处添加英文版和博后的 title 设置 设置附表、附录格式。

```

4757 \bool_if:cTF {l__hit_english_bool} {
4758 \NewDocumentCommand{\__hit_appendix_chapter:w}{s-o-m-o}{%

```

```

4759 \IfBooleanT{#1}%
4760 {~
4761 \phantomsection
4762 \IfValueTF{#2}{~
4763 \markboth{#2}{#2}~
4764 }{~
4765 \markboth{#3}{#3}~
4766 }~
4767 \par
4768 \__hit_text_if_equal:nnTF{#3}{\cabstracname}%
4769 {\relax}~
4770 {\addcontentsline{toc}{chapter}{\texorpdfstring{\bool_if:cTF {l__hit_arialttitle_bool} {\sffamily\h
4771 \par
4772 \IfValueT{#4}{\addcontentsline{toe}{chapter}{\texorpdfstring{\bfseries #4}{#4}}}}~
4773 \__hit_latex_chapter:w*{#3}~
4774 }~
4775 }~
4776 } {

```

添加英文版附表格式

```

4777 \NewDocumentCommand{\__hit_appendix_chapter:w}{s~o~m~o}{%
4778 \IfBooleanT{#1}%
4779 {~
4780 \phantomsection
4781 \IfValueTF{#2}{~
4782 \markboth{#2}{#2}~
4783 }{~
4784 \markboth{#3}{#3}~
4785 }~
4786 \__hit_text_if_equal:nnTF{#3}{\eabstractname}%
4787 {\addcontentsline{toc}{chapter}{\texorpdfstring{\bool_if:cTF {l__hit_arialttitle_bool} {\sffamily\h
4788 {\addcontentsline{toc}{chapter}{\texorpdfstring{\bool_if:cTF {l__hit_arialttitle_bool} {\sffamily\h
4789 \IfValueT{#4}{\addcontentsline{toe}{chapter}{\texorpdfstring{\bfseries #4}{#4}}}}~
4790 \__hit_latex_chapter:w*{#3}~
4791 }~
4792 }~
4793 }
4794 \cs_new:Npn \BiAppChapter #1 #2 {\phantomsection
4795 \chapter{#1}~

```

此处添加保护选项

```

4796 \addcontentsline{toe}{chapter}{\texorpdfstring{\bfseries \xiaosi Appendix~\thechapter\nobreakspace
4797 }

```

设置章节命令。s: 星号，表示在目录中不出现序号。m: 必须要有的选项，中文章节名称也即目录中名称，页眉中名称，书签中的名称。o: 可选内容，没有就默认是正文章节，如果有，则是英文目录中显示的内容。

`\chapter`

```

4798 \cs_set_eq:NN \__hit_latex_chapter:w \chapter
4799 \RenewDocumentCommand{\chapter}{s~o~m~o}{%

```

```

4800 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}\phantomsection%
4801 \IfBooleanTF{#1}%
4802 {% if \chapter*
4803 \IfNoValueTF{#2}%
4804 {\__hit_latex_chapter:w*{#3}}%
4805 {\__hit_latex_chapter:w*[#2]{#3}}%
4806 \IfValueT{#4}{%

```

此处添加保护选项

```

4807 \addcontentsline{toe}{chapter}{\texorpdfstring{\bfseries #4}{#4}}~
4808 }~
4809 }%
4810 {% if \chapter
4811 \IfNoValueTF{#2}%
4812 {\__hit_latex_chapter:w{#3}}%
4813 {\__hit_latex_chapter:w*[#2]{#3}}%
4814 \IfValueT{#4}{%

```

此处需删除章节的空白 此处添加保护选项

```

4815 \addcontentsline{toe}{chapter}~
4816 {%
4817 \texorpdfstring
4818 {\bfseries\relax \__hit_engtoc_chapapp: \thechapter\hspace{0.5em}\ignorespaces #4}~
4819 {\__hit_engtoc_chapapp: \thechapter\hspace{0.5em}\ignorespaces #4}~
4820 }~
4821 }~
4822 }~
4823 }

```

`\section`

```

4824 \cs_set_eq:NN \__hit_latex_section:w \section
4825 \RenewDocumentCommand\section{s~o~m~o}{~
4826 \IfBooleanTF{#1}%
4827 {% if \section*
4828 \IfNoValueTF{#2}%
4829 {\__hit_latex_section:w*{#3}}%
4830 {\__hit_latex_section:w*[#2]{#3}}%
4831 \IfValueT{#4}{%
4832 \addcontentsline{toe}{section}{#4}~
4833 }~
4834 }%
4835 {% if \section
4836 \IfNoValueTF{#2}%
4837 {\__hit_latex_section:w{#3}}%
4838 {\__hit_latex_section:w*[#2]{#3}}%
4839 \IfValueT{#4}{%

```

此处需删除章节的空白

```

4840 \addcontentsline{toe}{section}{\protect\numberline{\use:c {thesection}}\ignorespaces #4}~
4841 }~
4842 }~

```

4843 }

`\subsection`

```

4844 \cs_set_eq:NN \__hit_latex_subsection:w \subsection
4845 \RenewDocumentCommand\subsection{s~o~m~o}{~
4846   \IfBooleanTF{#1}%
4847   {% if \subsection*
4848     \IfNoValueTF{#2}%
4849     {\__hit_latex_subsection:w*{#3}}%
4850     {\__hit_latex_subsection:w*[#2]{#3}}%
4851     \IfValueT{#4}{%
4852       \addcontentsline{toe}{subsection}{#4}~
4853     }~
4854   }%
4855   {% if \subsection
4856     \IfNoValueTF{#2}%
4857     {\__hit_latex_subsection:w*{#3}}%
4858     {\__hit_latex_subsection:w*[#2]{#3}}%
4859     \IfValueT{#4}{%
      此处需删除章节的空白
4860       \addcontentsline{toe}{subsection}{\protect\numberline{\use:c {thesubsection}}\ignorespaces #4}~
4861     }~
4862   }~
4863 }
```

`\subsubsection`

```

4864 \cs_set_eq:NN \__hit_latex_subsubsection:w \subsubsection
4865 \RenewDocumentCommand\subsubsection{s~o~m~o}{~
4866   \IfBooleanTF{#1}%
4867   {% if \subsubsection*
4868     \IfNoValueTF{#2}%
4869     {\__hit_latex_subsubsection:w*{#3}}%
4870     {\__hit_latex_subsubsection:w*[#2]{#3}}%
4871     \IfValueT{#4}{%
4872       \addcontentsline{toe}{subsubsection}{#4}~
4873     }~
4874   }%
4875   {% if \subsubsection
4876     \IfNoValueTF{#2}%
4877     {\__hit_latex_subsubsection:w*{#3}}%
4878     {\__hit_latex_subsubsection:w*[#2]{#3}}%
4879     \IfValueT{#4}{%
      此处需删除章节的空白
4880       \addcontentsline{toe}{subsubsection}{\protect\numberline{\use:c {thesubsubsection}}\ignorespaces #
4881     }~
4882   }~
4883 }
```

4.5.9 定义封面

封面信息。

```

4884
4885 \__hit_info_declare:n{statesecrets}~% 密级
4886 \__hit_info_declare:n{natclassifiedindex}~% 国内图书分类号
4887 \__hit_info_declare:n{intclassifiedindex}~% 国际图书分类号
4888
4889 \__hit_info_declare:n{ctitlecover}~% 中文标题封面
4890 \__hit_info_declare:n{ctitle}~% 中文标题
4891 \__hit_info_declare:n{csubtitle}~% 中文副标题
4892 \__hit_info_declare:n{cxueke}~% 中文学科
4893 \__hit_info_declare:n{cauthor}~% 中文作者
4894 \__hit_info_declare:n{csupervisor}~% 中文导师
4895 \__hit_info_declare:n{cassosupervisor}~% 中文副导师
4896 \__hit_info_declare:n{ccosupervisor}% 中文联合导师
4897 \__hit_info_declare:n{caffil}% 中文院系
4898 \__hit_info_declare:n{csubject}% 中文专业

```

根据 [issue: #95](#) 增加一个变量 `szshortcdate` 来存储答辩时间。根据 [issue: #226](#)，将 `szshortcdate` 改为 `firstpagecdate`，只要赋值就会显示。

```

4899 \__hit_info_declare:n{firstpagecdate}
4900 \__hit_info_declare:n{cdate}
4901 \__hit_info_declare:n{cnumber}
4902 \__hit_info_declare:n{cpositionname}

```

添加博后封皮选项

```

4903 \__hit_info_declare:n{cfinishdate}
4904 \__hit_info_declare:n{csubmitdate}
4905 \__hit_info_declare:n{cstartdate}
4906 \__hit_info_declare:n{cenddate}

```

添加博后封皮的 title 选项

```

4907
4908 \__hit_info_declare:n{cstudentid}%
4909 \__hit_info_declare:n{cstudenttype}%
4910 \__hit_info_declare:n{ctitleone}%
4911 \__hit_info_declare:n{ctitletwo}%
4912
4913
4914 \__hit_info_declare:n{etitle}~% 英文标题
4915 \__hit_info_declare:n{esubtitle}~% 英文标题
4916 \__hit_info_declare:n{exueke}~% 英文学科
4917 \__hit_info_declare:n{eauthor}~% 英文作者
4918 \__hit_info_declare:n{esupervisor}~% 英文导师
4919 \__hit_info_declare:n{eassosupervisor}~% 英文副导师
4920 \__hit_info_declare:n{ecosupervisor}~% 英文联合导师
4921 \__hit_info_declare:n{eaffil}
4922 \__hit_info_declare:n{esubject}
4923 \__hit_info_declare:n{edate}
4924 \__hit_info_declare:n{estudenttype}

```

```

4925\tl_new:N \g__hit_info_cabstract_tl
4926\cs_new:Npn \__hit_cabstract_collect:n #1
4927  {\__hit_info_set:nn {cabstract} {#1}}
4928\cs_new:Npn \cabstract
4929  {\Collect@Body\__hit_cabstract_collect:n}
4930\cs_new:Npn \endcabstract
4931  {}
4932\tl_new:N \g__hit_info_eabstract_tl
4933\cs_new:Npn \__hit_eabstract_collect:n #1
4934  {\__hit_info_set:nn {eabstract} {#1}}
4935\cs_new:Npn \eabstract
4936  {\Collect@Body\__hit_eabstract_collect:n}
4937\cs_new:Npn \endeabstract
4938  {}
4939\__hit_keywords_declare:n{ckeywords}
4940\__hit_keywords_declare:n{keywords}
4941\NewDocumentCommand\hitsetup{m}{\__hit_setup:nn{hit}{#1}}

4942\AfterPreamble{%
4943  \tl_if_empty:NTF \g__hit_info_firstpagecdate_tl{\firstpagecdate{\g__hit_info_cdate_tl}}{}}%
4944}
4945</bookcls>

```

定义封面中用到的词汇。

```

4946<*bookcfg>
4947\bool_if:cTF {l__hit_postdoc_bool} {
4948  \__hit_terms_set:nn {global}
4949  {
4950    cxuweishort = {博},
4951
4952    exuewei = {Doctor},
4953
4954    exuweier = {Doctoral},
4955  }
4956} {}

```

添加博后选项

```

4957
4958\bool_if:cTF {l__hit_doctor_bool} {
4959  \__hit_terms_set:nn {global}
4960  {
4961    cxuweishort = {博},
4962
4963    exuewei = {Doctor},
4964
4965    exuweier = {Doctoral},
4966
4967    cxuewei = {\__hit_term:n {cxuweishort} 士},
4968
4969    cdegree = {\g__hit_info_cxueke_tl\__hit_term:n {cxuewei}},
4970

```

```

4971     edegree = {\_hit_term:n {exuewei} \ of~\g__hit_info_exueke_tl},
4972   }
4973 \_hit_terms_set:nn {local}
4974 {
4975     cauthortitle = {\_hit_term:n {cxuweishort} 士研究生},
4976   }
4977 } {}
4978 \bool_if:cTF {l__hit_master_bool} {
4979 \_hit_terms_set:nn {global}
4980 {
4981     cxuweishort = {硕},
4982
4983     exuewei = {Master},
4984
4985     exuweier = {Master's},
4986   }
4987 } {}
4988 \_hit_terms_set:nn {global}
4989 {
4990     cxuewei = {\bool_if:cTF {l__hit_bachelor_bool} { 学士 ~} { \_hit_term:n {cxuweishort} 士}},
4991
4992     cdegree = {\g__hit_info_cxueke_tl\_hit_term:n {cxuewei}},
4993
4994     edegree = {\_hit_term:n {exuewei} \ of~\g__hit_info_exueke_tl},
4995   }
4996 \_hit_terms_set:nn {local}
4997 {
4998     cauthortitle = {\_hit_bool_expr:nTF{\_hit_bool_p:n{harbin}~&&~\_hit_bool_p:n{bachelor}}{本
      科生}{\_hit_term:n {cxuweishort} 士研究生}},
4999   }
5000
5001 \_hit_terms_set:nn {local}
5002 {
5003     postdoc@classifiedindex = {分类号},
5004
5005     postdoc@secretlevel = {密级},
5006
5007     postdoc@UDC = {U\hspace{0.4\ccwd}D\hspace{0.4\ccwd}C},
5008
5009     stage@opening = {开题},
5010
5011     stage@midterm = {中期},
5012
5013     stage@doctype = {报告},
5014   }
5015
5016
5017 \_hit_terms_set:nn {local}
5018 {
5019     postdoc@number = {编号},

```

5020

更改博后封皮中字间距

```

5021     postdoc@documenttitle = {博\hspace{0.58\ccwd} 士\hspace{0.58\ccwd} 后\hspace{0.58\ccwd}
    研\hspace{0.58\ccwd} 究\hspace{0.58\ccwd} 工\hspace{0.58\ccwd} 作\hspace{0.58\ccwd} 报\hspace{0.58\ccwd}
    告},
5022
5023     postdoc@documenttitlenospace = {博士后研究工作报告},
5024
5025     postdoc@finishdate = {工作完成日期},
5026
5027     postdoc@submitdate = {报告提交日期},
5028 }
5029
5030 \__hit_terms_set:nn {local}
5031 {
5032     postdoc@authorname = {博\hspace{0.5\ccwd} 士\hspace{0.5\ccwd} 后\hspace{0.5\ccwd} 姓\hspace{0.5\ccwd}
    名},
5033
5034     postdoc@supervisor = {合\hspace{\ccwd} 作\hspace{\ccwd} 导\hspace{\ccwd} 师},
5035
5036     postdoc@positionname = {流\hspace{0.5\ccwd} 动\hspace{0.5\ccwd} 站\hspace{0.5\ccwd} 名\hspace{0.5\ccwd}
    称},
5037
5038     postdoc@major = {专\hspace{\ccwd} 业\hspace{\ccwd} 名\hspace{\ccwd} 称},
5039
5040     postdoc@startdate = {研究工作起始时间},
5041
5042     postdoc@enddate = {研究工作期满时间},
5043
5044     postdoc@separator = {: },
5045 }

```

添加博后选项 咱也不知道谁想的，其他校区的本科毕设叫“毕业设计（论文）”，哈尔滨的叫“毕业论文（设计）”

5046

```

5047 \__hit_terms_set:nn {local}
5048 {
5049     bachelor@cxuewei = {本科},
5050
5051     bachelor@cthesisname = {毕业\bool_if:cTF {l__hit_harbin_bool} { 论文（设计） } { 设计
    （论文） }},
5052 }

```

添加本科开题封皮中 title 定义

5053

5054

```

5055 \__hit_terms_set:nn {local}

```

```

5056 {
5057     bachelor@caffiltitle = {\bool_if:cTF {l__hit_harbin_bool} { 学院 ~} { 院（系） }},
5058 }

```

5059 </bookcfg>

此处添加深圳校区设置

5060 <*bookcfg>

```
5061     bachelor@caffiltitlesz = {学院},
5062
5063     bachelor@caffiltitlewh = {学院},
5064
5065     bachelor@cstudentidtitle = {学号},
5066
5067     bachelor@cmajortitle = {专业},
5068
5069     bachelor@csupervisortitle = {指导教师},
5070
5071     bachelor@cthesis title = {题目},
5072 }
```

深圳校区本科生第二封面中是“姓名”。

```
5073 \__hit_bool_expr:nTF{\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{bachelor}}
5074 {\__hit_terms_set:nn {local}
5075   {
5076     bachelor@cstudenttitle = {姓名},
5077   }}
5078 {\__hit_terms_set:nn {local}
5079   {
5080     bachelor@cstudenttitle = {学生},
5081   }}
5082 \__hit_terms_set:nn {local}
5083   {
5084     cthesisname = {学位论文},
5085   }
5086
5087
5088 \__hit_terms_set:nn {local}
5089   {
5090     bachelor@cdate title = {日\hspace{2\ccwd} 期},
5091   }
5092
5093 \__hit_terms_set:nn {new}
5094   {
5095     bachelor@teachercomment = {指导教师评语: },
5096
5097     bachelor@teachersign = {指导教师签字: },
5098
5099     bachelor@checkdate = {检查日期: },
5100   }
5101
5102
5103 \__hit_terms_set:nn {local}
5104   {
5105     cthesis title prefix = {题\hspace{\ccwd} 目},
```

```

5106 }
5107
5108
5109 \_hit_terms_set:nn {local}
5110 {
5111     graduate@caffilttitle = {院\hspace{3\ccwd} (系) },
5112
5113     graduate@cmajortitle = {学\hspace{4\ccwd} 科},
5114
5115     graduate@supervisor = {导\hspace{4\ccwd} 师},
5116
5117     graduate@studenttitle = {研\hspace{1.5\ccwd} 究\hspace{1.5\ccwd} 生},
5118
5119     graduate@studentid = {学\hspace{4\ccwd} 号},
5120 }
5121
5122
5123 \_hit_terms_set:nn {local}
5124 {
5125     graduate@datetitle = {\bool_if:cTF {l__hit_opening_bool} {\_hit_term:n {stage@opening}
5126 } {\bool_if:cTF {l__hit_midterm_bool} {\_hit_term:n {stage@midterm}} {}}\_hit_term:n {stage@docty
    期}},
5127
5128     graduate@enrolldate = {入\hspace{0.6666666\ccwd} 学\hspace{0.6666666\ccwd} 时\hspace{0.6666666\
    间}},
5129
5130     graduate@thesistitle = {论\hspace{0.6666666\ccwd} 文\hspace{0.6666666\ccwd} 题\hspace{0.6666666\
    目}},
5131
5132     graduate@cafflimajor = {学\hspace{0.6666666\ccwd} 科\hspace{0.6666666\ccwd} 专\hspace{0.6666666\
    业}},
5133 }
5134
5135
5136 \_hit_terms_set:nn {local}
5137 {
5138     cschoolname = {哈尔滨工业大学},
5139
5140 </bookcfg>
    此处添加深圳校区设置
5141 <*bookcfg>
5142     shenzhencampus = {深圳校区},
5143
5144     shenzhencampus@postdoc = { (深圳) },
5145
5146     weihaicampus = { (威海) },
5147
5148     harbincampus = { (哈尔滨) },
5149 }

```

添加哈尔滨校区选项

```

5150
5151 \_\_hit\_terms\_set:nn {local}
5152 {
5153     cschoolnametitle = {\_\_hit\_bool\_expr:nTF{\_\_hit\_bool\_p:n{harbin}~&&~\_\_hit\_bool\_p:n{bachelor}}{\_
校}{授予学位单位}},
5154
5155     cdatetitle = {答辩日期},
5156
5157     caffilttitle = {所在单位},
5158 }

```

本部研究生第二封面按照书写指南进行修改。“学科”改为“学科或类别”。

```

5159 \_\_hit\_bool\_expr:nTF{\_\_hit\_bool\_p:n{harbin}~&&~\_\_hit\_bool\_p:n{master}}
5160 {\_\_hit\_terms\_set:nn {local}
5161 {
5162     csubjecttitle = {学科或类别},
5163 }}
5164 {\_\_hit\_terms\_set:nn {local}
5165 {
5166     csubjecttitle = {学科},
5167 }}
5168 % \def\_\_hit\_term:n {csubjecttitle}{学科}
5169 \_\_hit\_terms\_set:nn {local}
5170 {
5171     cdegreetitle = {申请学位},
5172
5173     csupervisortitle = {导师},
5174
5175     cassosupervisortitle = {副导师},
5176

```

虽然只是深圳的要求，但是懒得写判断了，我估计用到的人不多，还有我怕明年深圳再改一波又白写了。

```

5177     ccosupervisortitle = {合作导师},
5178
5179     title@ccsep = {: },
5180
5181     eauthortitle = {Candidate},
5182
5183     esupervisortitle = {Supervisor},
5184
5185     eassosupervisortitle = {Associate~Supervisor},
5186
5187     ecosupervisortitle = {Co~Supervisor~off~Campus},
5188
5189     edegreetitle = {Academic~Degree~Applied~for},
5190
5191     esubjecttitle = {Specialty},
5192

```

```

5193     eaffilttitle = {Affiliation},
5194 }

```

深圳硕士英文封面是 Defense, 其他为 Defence.

```

5195 \__hit_bool_expr:nTF{\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{master}}
5196 {\__hit_terms_set:nn {local}
5197 {
5198     edatetitle = {Date~of~Defense},
5199 }}
5200 {\__hit_terms_set:nn {local}
5201 {
5202     edatetitle = {Date~of~Defence},
5203 }}
5204 \__hit_terms_set:nn {local}
5205 {
5206     eschoolnametitle = {Degree-Conferring-Institution},
5207
5208     eschoolname = {Harbin-Institute-of-Technology},
5209
5210     title@esep = {:.},
5211
5212     natclassifiedindextitle = {国内图书分类号},
5213
5214     internatclassifiedindextitle = {国际图书分类号},
5215
5216     secretlevel = {密级},
5217
5218     schoolidtitle = {学校代码},
5219
5220     schoolid = {10213},
5221 }
5222
5223 \bool_if:cTF {l__hit_postdoc_bool} {
5224 \__hit_terms_set:nn {local}
5225 {
5226     conclusion@ctitle = {结论},
5227 }
5228 } {
5229 \__hit_terms_set:nn {local}
5230 {
5231     conclusion@ctitle = {结\hspace{\ccwd} 论},
5232 }
5233 }
5234
5235 \__hit_terms_set:nn {local}
5236 {
5237     conclusion@etitle = {Conclusions},
5238
5239     bibname@etitle = {References},
5240 }

```

```

5241
5242 \bool_if:cTF {l__hit_postdoc_bool} {
5243 \__hit_terms_set:nn {local}
5244 {
5245     acknowledgement@ctitle = {致谢},
5246 }
5247 } {
5248 \__hit_terms_set:nn {local}
5249 {
5250     acknowledgement@ctitle = {致\hspace{\ccwd} 谢},
5251 }
5252 }
5253
5254 \__hit_terms_set:nn {local}
5255 {
5256     acknowledgement@etitle = {Acknowledgements},
5257 }
5258 \bool_if:cTF {l__hit_postdoc_bool} {
5259 \__hit_terms_set:nn {local}
5260 {
5261     resume@ctitle = {博士后个人简历},
5262 }
5263 } {
5264 \__hit_terms_set:nn {local}
5265 {
5266     resume@ctitle = {个人简历},
5267 }
5268 }

```

添加博后封皮 title 的选项

```

5269
5270
5271 \__hit_terms_set:nn {local}
5272 {
5273     correspondingaddr@ctitle = {永久通讯地址},
5274 }
5275
5276
5277 \__hit_terms_set:nn {local}
5278 {
5279     resume@etitle = {Resume},
5280
5281     authorization@ctitle = {哈尔滨工业大学学位论文原创性声明和使用权限},
5282
5283     authorization@etitle = {Statement~of~copyright~and~Letter~of~authorization},
5284 }
5285
5286 \__hit_terms_set:nn {local}
5287 {
5288     resolution@ctitle = {学位论文评阅人、答辩委员会名单及答辩决议},

```

```

5289
5290     resolution@etitle = {List-of-Dissertation-Reviewers-and-Defense-Committee-and-Defense-Resolutio
5291 }
5292
5293 \_hit_terms_set:nn {new}
5294 {
5295     authorsig = {作者签名: },
5296
5297     teachersig = {导师签名: },
5298
5299     frontdate = {日期: },
5300
5301     denotation@ctitle = {物理量名称及符号表},
5302
5303     denotation@etitle = {List-of-physical-quantity-and-symbol},
5304
5305     authorizationtitle = {学位论文使用权限},
5306 }
5307
5308 \_hit_terms_set:nn {new}
5309 {
5310     shenzhen@schoolbottommark = {~
5311 \begin{center}~
5312 \songti\sanhao\textbf{哈工大（深圳）制}~
5313 \end{center}~
5314 \begin{center}~
5315 \songti\sanhao\textbf{二〇一二年三月}~
5316 \end{center}~
5317 },
5318
5319     harbin@schoolbottommark = {~
5320 \begin{center}~
5321 \songti\sanhao\textbf{研究生院制}~
5322 \end{center}~
5323 \begin{center}~
5324 \songti\sanhao\textbf{二〇一四年九月}~
5325 \end{center}~
5326 },
5327
5328     harbin@bachelor@schoolbottommark = {~
5329 \begin{center}~
5330 % \lishu\xiaoer\textbf{哈尔滨工业大学教务处制}
5331 \includegraphics{hithesis-hrb-bachelor-bottommark.eps}~
5332 \end{center}~
5333 },
5334 }
5335
5336
5337 \_hit_terms_set:nn {new}

```

```

5338 {
5339     shenzhen@doctor@midterm@note = {~
5340 \thispagestyle{empty}~
5341 {\begin{center}~
5342 \songti\sanhao\textbf{说\hspace{4\ccwd} 明}~
5343 \end{center}~
5344 }~
5345 \vspace{1cm}\songti\sihao[2]~
5346 \begin{enumerate}[itemsep=-4bp]~
5347 \item 博士研究生学位论文中期报告一般在入学后的第五学期末完成。~
5348 \item 此报告由学生本人填写，请导师签字后提交一份给检查小组。答辩结束后由检查组长签署意见。~
5349 \item 报告经中期报告检查组长签字同意后，由学科部保存，以备论文答辩时参考。研究生院学生培养处
        将对研究生的学位论文中期报告进行抽查。~
5350 \item 报告统一用 A4 纸打印。~
5351 \end{enumerate}~
5352 },
5353 }

```

添加深圳中期报告内容

```

5354
5355
5356
5357 \_hit_terms_set:nn {new}
5358 {
5359     authorizationtext = {%
5360 学位论文是研究生在哈尔滨工业大学攻读学位期间完成的成果，知识产权归属哈尔滨工业大学。学位论文
        的使用权限如下：~
5361 \par
5362 (1) 学校可以采用影印、缩印或其他复制手段保存研究生上交的学位论文，并向国家图书馆报送学位论
        文；(2) 学校可以将学位论文部分或全部内容编入有关数据库进行检索和提供相应阅览服务；(3) 研究生
        毕业后发表与此学位论文研究成果相关的学术论文和其他成果时，应征得导师同意，且第一署名单位为哈
        尔滨工业大学。~
5363 \par
5364 保密论文在保密期内遵守有关保密规定，解密后适用于此使用权限规定。~
5365 \par
5366 本人知悉学位论文的使用权限，并将遵守有关规定。},
5367 }

```

添加威海校区原创性声明内容

```

5368
5369 \_hit_terms_set:nn {new}
5370 {
5371     declarename@bachelor = {%
5372 \bool_if:cTF {l__hit_weihai_bool} {
5373 本科毕业设计（论文）原创性声明 ~
5374 } {

```

深圳校区更改了原创性声明的标题

```

5375 \bool_if:cTF {l__hit_shenzhen_bool} {
5376 哈尔滨工业大学深圳校区本科生毕业设计（论文）原创性声明 ~
5377 } {

```

5378 哈尔滨工业大学本科毕业论文（设计）原创性声明和使用权限 ~
 5379 }}
 5380 },
 5381

horizationtext@bachelor

5382 authorizationtext@bachelor = {%
 5383 \bool_if:cTF {l__hit_wei hai_bool} {
 5384 \kaishu
 5385 本人呈交给哈尔滨工业大学的学位论文，除所列参考文献和世所公认的文献外，全部是本人毕业设计期间在导师指导下的研究成果。除文中已经标明引用的内容外，本论文不包含任何其他个人或集体已经发表或撰写过的研究成果。对本文的研究做出贡献的个人和集体，均已在文中以明确方式标明。本人完全意识到本声明的法律结果由本人承担。~
 5386 \par
 5387 若有不实之处，本人愿意承担相关法律责任。~
 5388 } {
 5389 \bool_if:cTF {l__hit_harbin_bool} {
 5390 本人郑重声明：此处所提交的本科毕业论文（设计）《\g__hit_info_ctitle_tl》，是本人在导师指导下，在哈尔滨工业大学攻读学士学位期间独立进行研究工作所取得的成果，且毕业论文（设计）中除已标注引用文献的部分外不包含他人完成或已发表的研究成果。对本毕业论文（设计）的研究工作做出重要贡献的个人和集体，均已在文中以明确方式注明。~
 5391 } {
 5392 本人郑重声明：在哈尔滨工业大学攻读学士学位期间，所提交的毕业设计（论文）《\g__hit_info_ctitle_tl》，是本人在导师指导下独立进行研究工作所取得的成果。对本文的研究工作做出重要贡献的个人和集体，均已在文中以明确方式注明，其它未注明部分不包含他人已发表或撰写过的研究成果，不存在购买、由他人代写、剽窃和伪造数据等作假行为。~
 5393 \par
 5394 本人愿为此声明承担法律责任。~
 5395 }
 5396 }
 5397 },
 5398

horizationtext@bachelor

5399 second@authorizationtext@bachelor = {%
 5400 本科毕业论文（设计）是本科生在哈尔滨工业大学攻读学士学位期间完成的成果，知识产权归属哈尔滨工业大学。本科毕业论文（设计）的使用权限如下：~
 5401 \par
 5402 （1）学校可以采用影印、缩印或其他复制手段保存本科生上交的毕业论文（设计），并向有关部门报送本科毕业论文（设计）；（2）根据需要，学校可以将本科毕业论文（设计）部分或全部内容编入有关数据库进行检索和提供相应阅览服务；（3）本科生毕业后发表与此毕业论文（设计）研究成果相关的学术论文和其他成果时，应征得导师同意，且第一署名单位为哈尔滨工业大学。~
 5403 \par
 5404 保密论文在保密期内遵守有关保密规定，解密后适用于此使用权限规定。~
 5405 \par
 5406 本人知悉本科毕业论文（设计）的使用权限，并将遵守有关规定。~
 5407 },
 5408

__hit_term:ndeclarename

```
5409     declarename = {学位论文原创性声明},
5410
```

```
__hit_term:ndeclaretext
```

```
5411     declaretext = {%
5412 本人郑重声明：此处所提交的学位论文《\g__hit_info_ctitle_tl》，是本人在导师指导下，在哈尔滨工
业大学攻读学位期间独立进行研究工作所取得的成果，且学位论文中除已标注引用文献的部分外不包含
他人完成或已发表的研究成果。对本学位论文的研究工作做出重要贡献的个人和集体，均已在文中以明确
方式注明。},
5413 }

5414
5415 \bool_if:cTF {l__hit_english_bool} {
5416 \__hit_terms_set:nn {new}
5417 {
5418     publication@ctitle = {Author's~Publications},
5419 }
5420 } {
5421 \bool_if:cTF {l__hit_postdoc_bool} {
5422 \__hit_terms_set:nn {new}
5423 {
5424     publication@ctitle = {博士后期间的研究成果},
5425 }
5426 } {

5427 \__hit_bool_expr:nTF{(\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{master})~||~(\__hit_bool_p:n{har
5428 {~
5429 \__hit_terms_set:nn {new}
5430 {
5431     publication@ctitle = {攻读\__hit_term:n {cxuewei} 学位期间取得创新性成果},
5432 }
5433 }~
5434 {~
5435 \__hit_terms_set:nn {new}
5436 {
5437     publication@ctitle = {攻读\__hit_term:n {cxuewei} 学位期间发表的论文及其他成果},
5438 }
5439 }~
5440 \par
5441 }
5442 }
5443 \__hit_terms_set:nn {new}
5444 {
5445     doctorpublication@ctitle = {博士生期间的研究成果},
5446 }

    博后和英文版附录 title

5447
5448
5449 \__hit_terms_set:nn {new}
5450 {
```

```

5451     datefill = {\hspace{2.5em} 年\hspace{1.5em} 月\hspace{1.5em} 日},
5452   }

5453 \__hit_bool_expr:nTF{\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{master}}
5454 {~
5455   \__hit_terms_set:nn {new}
5456   {
5457     publication@etitle = {Innovative~achievements~for~Master},
5458   }
5459 }
5460 {~
5461   \__hit_terms_set:nn {new}
5462   {
5463     publication@etitle = {Papers~published~in~the~period~of~\bool_if:cTF {l__hit_master_bool} {mas
5464   }
5465 }
5466 \__hit_terms_set:nn {local}
5467 {
5468   index@etitle = {Index},
5469
5470   hi = {嗨! thesis},
5471
5472   cbraceleft = { (},
5473
5474   cbraceright = {) },
5475
5476   ebraceleft = {(},
5477
5478   ebraceright = {)},
5479 }
5480 </bookcfg>

```

中英文封面。

```

5481 <*bookcls>
5482 \dim_new:N \l__hit_cover_title_width_dim
5483 \cs_new:Npn \__hit_cover_label:nn #1#2
5484   {\begin{CJKfilltwosides}[b]{#1}#2\end{CJKfilltwosides}}
5485 \cs_new:Npn \__hit_cover_label:n #1
5486   {\__hit_cover_label:nn {\l__hit_cover_title_width_dim} {#1}}
5487 \NewDocumentCommand \hit@put@title {0{\l__hit_cover_title_width_dim} m}
5488   {\__hit_cover_label:nn {#1}{#2}}
5489

```

将哈尔滨本科的第一封面替换为 __hit_first_titlepage_other:。之后应该会逐步替换掉, 看学校又会怎么改吧。

```

5490 \cs_set_nopar:Npn \__hit_first_titlepage: {%
5491   \bool_if:cTF {l__hit_postdoc_bool} {
5492     \__hit_first_titlepage_postdoc:
5493   } {
5494     \bool_if:cTF {l__hit_bachelor_bool} {
5495     \bool_if:cTF {l__hit_harbin_bool} {

```

```

5496 \__hit_first_titlepage_other:
5497 } {
5498 \__hit_first_titlepage_bachelor:
5499 }
5500 } {
5501 \__hit_first_titlepage_other:
5502 }
5503 }
5504 }
5505

```

继深圳之后，本部的本科模板又开始整新活了，大改一通，醉好的结局就是都统一吧。

```

5506 \cs_set_nopar:Npn \__hit_second_titlepage: {%
5507 \bool_if:cTF {l__hit_postdoc_bool} {
5508 \__hit_second_titlepage_postdoc:
5509 } {
5510 \bool_if:cTF {l__hit_bachelor_bool} {
5511 \bool_if:cTF {l__hit_harbin_bool} {
5512 \__hit_second_titlepage_harbinbachelor:
5513 } {
5514 \__hit_second_titlepage_bachelor:
5515 }
5516 } {
5517 \__hit_second_titlepage_other:
5518 }
5519 }
5520 }

```

添加博后封皮选项

```

5521 \cs_new:Npn \__hit_first_titlepage_postdoc: {~
5522 {\songti\sihao\cs_set:Npn \arraystretch {2}\ %
5523 \begin{tabular}{@{}r@{}l@{\hspace{7\ccwd}}r@{}l@{\hspace{3em}}r}~
5524 \__hit_term:n {postdoc@classifiedindex}&\underline{\makebox[6\ccwd]{\g__hit_info_natclassifiedindex}}~
5525 \__hit_term:n {postdoc@UDC}&\underline{\makebox[6\ccwd]{\g__hit_info_intclassifiedindex_t1}}&\__hit_term:n {postdoc@documenttitle}~
5526 \end{tabular}}\cs_set:Npn \arraystretch {1}~
5527 \parbox[t] [5cm] [b]{\textwidth}{\begin{center}\heiti\xiaoe[2]\__hit_term:n {cschoolname}\par
5528 \__hit_term:n {postdoc@documenttitle}\end{center}}~
5529 \parbox[b] [4cm] [b]{\textwidth}{~
5530 \songti\xiaosan[2]\cs_set:Npn \arraystretch {1.5}~
5531 \begin{center}~
5532 \begin{tabular}{c}~
5533 \makebox[9cm]{\g__hit_info_ctitleone_t1}\\~
5534 \hline
5535 \makebox[9cm]{\g__hit_info_ctitletwo_t1}\\~
5536 \hline
5537 \end{tabular}}\cs_set:Npn \arraystretch {1}~
5538 \end{center}}~
5539 \begin{center}~
5540 \songti\sihao[2]\centering\g__hit_info_cauthor_t1
5541 \end{center}~
5542 \parbox[b] [4.5cm] [b]{\textwidth}{~

```

```

5543 \songti\sihao[2]\cs_set:Npn \arraystretch {1.5}~
5544 \begin{center}~
5545 \begin{tabular}{rl}~
5546 \__hit_term:n {postdoc@finishdate} & ~\underline{\makebox[6cm]{\g__hit_info_cfinishdate_tl}}\\~
5547 \__hit_term:n {postdoc@submitdate} & ~\underline{\makebox[6cm]{\g__hit_info_csubmitdate_tl\hfill}}\\~
5548 \end{tabular}\cs_set:Npn \arraystretch {1}~
5549 \end{center}~
5550 }~
5551 \vfill
5552 {\songti\sihao[2]~
5553 \begin{center}~
5554 \__hit_term:n {cschoolname}%
5555 \bool_if:cTF {l__hit_harbin_bool} {
5556 \__hit_term:n {harbincampus}
5557 } {}
5558 \bool_if:cTF {l__hit_weihai_bool} {
5559 \__hit_term:n {weihaicampus}
5560 } {}
5561 \bool_if:cTF {l__hit_shenzhen_bool} {
5562 \__hit_term:n {shenzhencampus@postdoc}
5563 } {}
5564 \end{center}~
5565 \begin{center}~
5566 \g__hit_info_cdate_tl
5567 \end{center}}~
5568 }
5569
5570
5571
5572 \cs_new:Npn \__hit_second_titlepage_postdoc: {~
5573 \__hit_text_if_equal:nnTF{\hit@fontset}{siyuan}%
5574 {\xiaosi[1]\vspace*{0.65em}}%
5575 {\xiaosi[1]\songti\textcolor{rgb}{1,1,1}{\__hit_term:n {hi}}}%
5576 \vspace*{1.2cm}~
5577 \begin{center}~
5578 \parbox[t][8cm][t]{\textwidth}{~
5579 \begin{center}\songti\sanhao[2]\g__hit_info_ctitlecover_tl\end{center}~
5580 \vspace*{16bp}~
5581 \begin{center}\sihao[2]\MakeUppercase{\g__hit_info_etitle_tl}\end{center}~
5582 }~
5583 \parbox[t][5cm][t]{\textwidth}{~
5584 \begin{center}\songti\sihao[2]~
5585 \begin{tabularx}{0.6\linewidth}{l@{\__hit_term:n {postdoc@separator}}l}~
5586 \__hit_term:n {postdoc@authorname} & ~\g__hit_info_cauthor_tl \\~
5587 \__hit_term:n {postdoc@supervisor} & ~\g__hit_info_csupervisor_tl \\~
5588 \__hit_term:n {postdoc@positionname} & ~\g__hit_info_cpositionname_tl \\~
5589 \__hit_term:n {postdoc@major} & ~\g__hit_info_csubject_tl \\~
5590 \end{tabularx}~
5591 \begin{tabularx}{0.6\linewidth}{l@{\__hit_term:n {postdoc@separator}}l}~
5592 \__hit_term:n {postdoc@startdate} & ~\g__hit_info_cstartdate_tl \\~

```

```

5593 \__hit_term:n {postdoc@enddate} &\g__hit_info_cenddate_tl \~
5594 \end{tabularx}~
5595 \end{center}~
5596 }~
5597 \end{center}~
5598 \vfill
5599 {\songti\sihao[2]~
5600 \begin{center}~
5601 \__hit_term:n {cschoolname}%
5602 \bool_if:cTF {l__hit_harbin_bool} {
5603 \__hit_term:n {harbincampus}
5604 } {}
5605 \bool_if:cTF {l__hit_weihai_bool} {
5606 \__hit_term:n {weihaicampus}
5607 } {}
5608 \bool_if:cTF {l__hit_shenzhen_bool} {
5609 \__hit_term:n {shenzhencampus@postdoc}
5610 } {}
5611 \end{center}~
5612 \begin{center}~
5613 \g__hit_info_cdate_tl
5614 \end{center}}}

    添加博后封皮

5615
5616
5617
5618
5619 \cs_new:Npn \__hit_first_titlepage_bachelor: {~
5620 \__hit_text_if_equal:nnTF{\hit@fontset}{siyuan}%
5621 {\xiaosi[1]\vspace*{0.65em}}%
5622 {\xiaosi[1]\textcolor{rgb}{1,1,1}{\songti{\__hit_term:n {hi}}}}%
5623 \vspace*{1.2cm}~
5624 \begin{center}~
5625 \parbox[t][3.4cm][t]{\textwidth}{~
5626 \begin{center}\erhao[0]\heiti\g__hit_info_ctitlecover_tl\end{center}~}~
5627 \parbox[t][9cm][t]{\textwidth}{~
5628 \begin{center}\xiaoe[0]\songti\textbf{\g__hit_info_cauthor_tl}\end{center}~
5629 }~
5630 \begin{center}~
5631 \dim_set:Nn \l__hit_cover_title_width_dim {4em}~
5632 \heiti\xiaosi

```

此处深圳校区竟然是左对齐。另外，院系名称也有点不一样。

```

5633 \bool_if:cTF {l__hit_shenzhen_bool} {%
5634 \begin{tabular}{r@{>{\normalfont\songti\bfseries}lr@{>{\normalfont\songti\bfseries}l}}%
5635 } {%
5636 \begin{tabular}{rcrc}%
5637 }%
5638 {\__hit_cover_label:n {%
5639 \bool_if:cTF {l__hit_harbin_bool} {%

```

```

5640 \__hit_term:n {bachelor@caffilttitle}%
5641 } {%
5642 \bool_if:cTF {l__hit_shenzhen_bool} {%
5643 \__hit_term:n {bachelor@caffilttitlesz}%

    此处删除威海本科封皮中威海校区字样

5644 % \else%
5645 % \ifhit@weihai%
5646 % \__hit_term:n {bachelor@caffilttitlewh}%
5647 % \fi%
5648 } {%
5649 }%

```

根据 [issue: #129](#) 提供的规范修改深圳校区本科生的封面格式。要求信息的左侧是黑体，右侧是宋体或 Times New Roman 加粗。

```

5650 }\__hit_term:n {title@csep}}~&~\g__hit_info_caffil_tl &~
5651 {\__hit_cover_label:n {\__hit_term:n {bachelor@cmajortitle}}\__hit_term:n {title@csep}}~&\g__hit_i
5652 {\__hit_cover_label:n {\__hit_term:n {bachelor@cstudentidtitle}}\__hit_term:n {title@csep}}~
5653 &~\g__hit_info_cstudentid_tl
5654 &~{\__hit_cover_label:n {\__hit_term:n {bachelor@csupervisortitle}}\__hit_term:n {title@csep}}~
5655 &\g__hit_info_csupervisor_tl
5656 \end{tabular}~
5657 \end{center}~
5658 \vspace{2.6cm}~

5659 {\xiaosi[0]\songti\textbf{%
5660 \g__hit_info_firstpagecdate_tl
5661 }~
5662 }~
5663 \end{center}~
5664 }

```

此处本科生使用了哈尔滨工业大学的 logo 且本科生论文标题使用了华文新魏字体，为了方便使用，此处使用了矢量化图片作为输入。

ond_titlepage_bachelor:

```

5665
5666
5667 \dim_new:N \l__hit_cover_title_one_dim %
5668 \dim_new:N \l__hit_cover_title_two_dim %
5669 \cs_new:Npn \__hit_second_titlepage_bachelor: {~
5670 \vspace*{0.8cm}~
5671 \bool_if:cTF {l__hit_shenzhen_bool} {%

    修改“(深圳)”为“深圳校区”。

5672 % \centering{\includegraphics[width=6.2cm]{hithesis-shenzhenbthesistitle}~\raisebox{0.2em}{\kaish
5673 \centering{\includegraphics[width=15cm]{hithesis-shenzhenbthesistitle}}~
5674 \vspace{-.5cm}~
5675 } {%

    删除威海字样

5676 \centering{\includegraphics[width=6.2cm]{hithesis-logo}}~

```

```

5677 }%
5678 \vspace{1.3cm}~
5679 \begin{center}~
5680 \centering\includegraphics[width=10.5cm]{hithesis-bthesistitle}~
5681 \vfill
5682 \parbox[t][14.2cm][b]{\textwidth}~
5683 {\heiti\xiaosan
5684 \begin{center}~\cs_set:Npn \arraystretch {2.5}~\heiti
5685 \dim set:Nn \l_hit_cover_title_width dim {5.5em}~

```

根据 [issue: #129](#) 提供的规范修改深圳校区本科生的封面格式。要求左侧黑体，右侧宋体或 Times New Roman。

```
5686 \begin{tabular}%
5687 {l@{\ \ \ }>{\bool_if:cTF {l__hit_shenzhen_bool} { \normalfont\songti } { }}c}~
```

深圳校区本科生封面与本部不同。

```

5688 \__hit_bool_expr:nTF{\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{bachelor}}~
5689 {%
5690 {\xiaoer \__hit_cover_label:n {\__hit_term:n {bachelor@cthesisitle}}~
5691 &~\underline{\makebox[6.1cm] [l]{%
5692 \__hit_measure_width:Nn \l__hit_cover_title_one_dim {\xiaoer \g__hit_info_ctitleone_tl}%
5693 \dim_compare:nNnTF {\l__hit_cover_title_one_dim} > {6.1cm} {\sanhao} {\xiaoer}\g__hit_info_ctitleone_tl}%
5694 &~\underline{\makebox[6.1cm] [l]{%
5695 \__hit_measure_width:Nn \l__hit_cover_title_two_dim {\xiaoer \g__hit_info_ctitletwo_tl}%
5696 \dim_compare:nNnTF {\l__hit_cover_title_two_dim} > {6.1cm} {\sanhao} {\xiaoer}\g__hit_info_ctitletwo_tl}%
5697 &~\~
5698 {\__hit_cover_label:n {\__hit_term:n {bachelor@cstudentitle}}~
5699 &~\underline{\makebox[6.1cm] [l]{\g__hit_info_cauthor_tl}}\~
5700 {\__hit_cover_label:n {\__hit_term:n {bachelor@cstudentidtitle}}~
5701 &~\underline{\makebox[6.1cm] [l]{\g__hit_info_cstudentid_tl}}\~
5702 {\__hit_cover_label:n {\__hit_term:n {bachelor@caffiltitlesz}}~
5703 &~\underline{\makebox[6.1cm] [l]{\g__hit_info_caffil_tl}}\~
5704 {\__hit_cover_label:n {\__hit_term:n {bachelor@cmajortitle}}~
5705 &~\underline{\makebox[6.1cm] [l]{\g__hit_info_csubject_tl}}\~
5706 {\__hit_cover_label:n {\__hit_term:n {bachelor@csupervisortitle}}~
5707 &~\underline{\makebox[6.1cm] [l]{\g__hit_info_csupervisor_tl}}\~
5708 {\__hit_cover_label:n {\__hit_term:n {cdatetitle}}~
5709 &~\underline{\makebox[6.1cm] [l]{\g__hit_info_cdate_tl}}~
5710 }~
5711 {%
5712 {\xiaoer \__hit_cover_label:n {\__hit_term:n {bachelor@cthesisitle}}~
5713 &~\underline{\makebox[6.1cm]{%
5714 \__hit_measure_width:Nn \l__hit_cover_title_one_dim {\xiaoer \g__hit_info_ctitleone_tl}%
5715 \dim_compare:nNnTF {\l__hit_cover_title_one_dim} > {6.1cm} {\sanhao} {\xiaoer}\g__hit_info_ctitleone_tl}%
5716 &~\underline{\makebox[6.1cm]{%
5717 \__hit_measure_width:Nn \l__hit_cover_title_two_dim {\xiaoer \g__hit_info_ctitletwo_tl}%
5718 \dim_compare:nNnTF {\l__hit_cover_title_two_dim} > {6.1cm} {\sanhao} {\xiaoer}\g__hit_info_ctitletwo_tl}%
5719 &~\~
5720 {\__hit_cover_label:n {\__hit_term:n {bachelor@cmajortitle}}~
5721 &~\underline{\makebox[6.1cm]{\g__hit_info_csubject_tl}}\~
5722 {\__hit_cover_label:n {\__hit_term:n {bachelor@cstudentidtitle}}~

```

```

5723 &~\underline{\makebox[6.1cm]{\g__hit_info_cstudentid_tl}}\~
5724 {\__hit_cover_label:n {\__hit_term:n {bachelor@cstudenttitle}}}\~
5725 &~\underline{\makebox[6.1cm]{\g__hit_info_cauthor_tl}}\~
5726 {\__hit_cover_label:n {\__hit_term:n {bachelor@csupervisortitle}}}\~
5727 &~\underline{\makebox[6.1cm]{\g__hit_info_csupervisor_tl}}\~
5728 {\__hit_cover_label:n {\__hit_term:n {cdatetitle}}}\~
5729 &~\underline{\makebox[6.1cm]{\g__hit_info_cdate_tl}}\~
5730 }\~
5731 \end{tabular}\~\cs_set:Npn \arraystretch {1}\~
5732 \end{center}\~
5733 }\~
5734 \end{center}\~
5735 }
5736

```

又为哈尔滨本科增加一个长度命令 \l__hit_cover_school_date_height_dim

```

5737
5738 \dim_new:N \l__hit_cover_school_date_height_dim
5739 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{bachelor}}
5740 {\dim_set:Nn \l__hit_cover_school_date_height_dim {10.8mm}}
5741 {\dim_set:Nn \l__hit_cover_school_date_height_dim {1.4cm}}
5742
5743 \dim_new:N \l__hit_cover_english_title_dim %

```

_first_titlepage_other:

```

5744 \cs_new:Npn \__hit_first_titlepage_other: {~
5745 % 封面一
5746 \__hit_text_if_equal:nnTF{\hit@fontset}{siyuan}%
5747 {\xiaosi[1]\vspace*{0.65em}}%
5748 {\xiaosi[1]\textcolor{rgb}{1,1,1}{\songti{\__hit_term:n {hi}}}}%
5749 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{bachelor}}~
5750 {\vspace*{8.5mm}}{\vspace*{1.2cm}}~
5751 \begin{center}\~
5752 \begin{center}\xiaoyi[1]\songti\textbf{%

```

修改哈尔滨本科的第一封面，看起来和研究生的要统一起来了。

```

5753 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{bachelor}}~
5754 {\__hit_term:n {bachelor@cxuwei}\__hit_term:n {bachelor@cthesisname}}~
5755 {\__hit_term:n {cxuwei}\__hit_term:n {cthesisname}}~
5756 }\end{center}\~

```

修改第二行标题 根据 [issue: #97](#) 看来，[issue: #149](#) 的情报并不完全准确，深圳硕士还要加上这个 \cstudenttype

```

5757 \begin{center}\xiaoer[1]\songti\bfseries
5758 \__hit_bool_expr:nTF
5759 {\!\__hit_bool_p:n{shenzhen}~&&~!\__hit_bool_p:n{master}~&&~\__hit_bool_p:n{fulltime}~}{~
5760 ~
5761 \__hit_term:n {cbraceleft}\g__hit_info_cstudenttype_tl\__hit_term:n {cbraceright}
5762 }\~
5763 \end{center}\~
5764 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{bachelor}}~

```

```

5765 {\vspace{-3.5mm}}{~}
5766 \parbox[t][7.8cm][t]{\textwidth}{%
5767 \begin{center}\erhao\heiti\g__hit_info_ctitlecover_tl\end{center}~
5768 \bool_if:cTF {l__hit_subtitle_bool} {\begin{center}\hspace{-4em}\xiaoer\heiti\pozhehao\g__hit_info_
5769 \__hit_measure_width:Nn \l__hit_cover_english_title_dim {\erhao\g__hit_info_etitle_tl\bool_if:cTF
5770 \begin{center}%
5771 \dim_compare:nNnTF {\l__hit_cover_english_title_dim} > {250mm} {\xiaoer} {\erhao}%
5772 \bool_if:cTF {l__hit_harbin_bool} {\bool_if:cTF {l__hit_bachelor_bool} {
5773 \vspace{1.27cm}~
5774 } {} } {}
5775 \textbf{\MakeUppercase{\g__hit_info_etitle_tl}%
5776 \bool_if:cTF {l__hit_subtitle_bool} {\__hit_term:n {title@esep}\MakeUppercase{\g__hit_info_esubtit
5777 \par
5778 \parbox[t][7.4cm][t]{\textwidth}{~}
5779 \begin{center}\xiaoer\songti\textbf{\g__hit_info_cauthor_tl}\end{center}}\~
5780 \bool_if:cTF {l__hit_harbin_bool} {\bool_if:cTF {l__hit_bachelor_bool} {
5781 \vspace{-12.5mm}~
5782 } {} } {}
5783 \parbox[t][\l__hit_cover_school_date_height_dim][t]{\textwidth}{\centering\kaishu\xiaoer\textbf{\
5784 {\songti\xiaoer\textbf{\g__hit_info_firstpagecdate_tl}}~
5785 \end{center}~
5786 }
5787

```

tlepage_harbinbachelor:

```

5788 \cs_new:Npn \__hit_second_titlepage_harbinbachelor: {~
5789 \begin{center}~
5790 \vspace*{-3mm}~
5791 \begin{flushright}~
5792 \xiaosi
5793 % SimSun 下效果最好
5794 \raisebox{0em}{% 盒子高度调整, 感觉 Fandol 用-.05em 比较好
5795 \fboxsep=0pt\fbox{\rule{.7em}{0pt}\rule{0pt}{.7em}}%
5796 \llap{\raisebox{0em}{\checkmark}}%
5797 }\hspace{.05em} 毕业论文%
5798 \hspace{1em}%
5799 \raisebox{0em}{% 盒子高度调整, 同上
5800 \fboxsep=0pt\fbox{\rule{.7em}{0pt}\rule{0pt}{.7em}}%
5801 }\hspace{.05em} 毕业设计%
5802 \hfill%
5803 \__hit_term:n {secretlevel}: 公开%\hspace{14mm}% 右侧不再留空白
5804 \end{flushright}~
5805 \vspace{2.1cm}~
5806 {\songti\bfseries\xiaoer \__hit_term:n {bachelor@cxuewei} \__hit_term:n {bachelor@cthesisname}}\~
5807 \parbox[t][5cm][t]{\textwidth}{%
5808 \erhao
5809 \begin{center}~
5810 \heiti
5811 \g__hit_info_ctitlecover_tl%

```

```

5812 \end{center}~
5813 \bool_if:cTF {l__hit_subtitle_bool} {
5814 \begin{center}\hspace{-4em}\xiaoer\heiti\pozhehao\g__hit_info_csubtitle_tl\end{center}} {}
5815 }~
5816 \vspace{16mm}~
5817 {\sihao
5818 \dim_set:Nn \l__hit_cover_title_width_dim {6em}~
5819 \begin{center}~\cs_set:Npn \arraystretch {1.62}~\songti
5820 \begin{tabular}{l@{\__hit_term:n {title@csep}}l}~
5821 {\heiti \__hit_cover_label:n {\__hit_term:n {cauthortitle}}}&~\g__hit_info_cauthor_tl\\~
5822 {\heiti \__hit_cover_label:n {\__hit_term:n {bachelor@cstudentidtitle}}}&~\g__hit_info_cstudentid_tl\\~
5823 {\heiti \__hit_cover_label:n {\__hit_term:n {bachelor@csupervisortitle}}}&~\g__hit_info_csupervisor_tl\\~
5824 {\heiti \__hit_cover_label:n {\__hit_term:n {bachelor@cmajortitle}}}&~\g__hit_info_csubject_tl\\~
5825 {\heiti \__hit_cover_label:n {\__hit_term:n {bachelor@caffilttitle}}}&~\g__hit_info_caffil_tl\\~
5826 {\heiti \__hit_cover_label:n {\__hit_term:n {cdatetitle}}}&~\g__hit_info_cdate_tl\\~
5827 {\heiti \__hit_cover_label:n {\__hit_term:n {cschoolnametitle}}}&~\__hit_term:n {cschoolname}\\~
5828 \end{tabular}~\cs_set:Npn \arraystretch {1}~
5829 \end{center}~}~
5830 \end{center}~
5831 }

```

second_titlepage_other:

```

5832
5833 % 内封
5834 \cs_new:Npn \__hit_second_titlepage_other: {~
5835 \begin{center}~

```

生成头部信息，使用 \hfill 将第二列信息推到右侧。本部硕士第二封面的信息的对齐方式不同。

```

5836 {~
5837 \songti \xiaosi
5838 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~\__hit_bool_p:n{master}}~
5839 {~
5840 \begin{tabular}{l}~
5841 \__hit_term:n {natclassifiedindextitle}: ~\g__hit_info_natclassifiedindex_tl\\~
5842 \__hit_term:n {internatclassifiedindextitle}: ~\g__hit_info_intclassifiedindex_tl\\~
5843 \end{tabular}\hfill
5844 \begin{tabular}{l}~
5845 \__hit_term:n {schoolidtitle}: \__hit_term:n {schoolid}\\~
5846 \__hit_term:n {secretlevel}: \g__hit_info_statesecrets_tl\\~
5847 \end{tabular}~
5848 }%
5849 {~
5850 \begin{tabular}{@{}r@{: }l@{}}~
5851 \__hit_term:n {natclassifiedindextitle} &~\g__hit_info_natclassifiedindex_tl\\~
5852 \__hit_term:n {internatclassifiedindextitle} &~\g__hit_info_intclassifiedindex_tl\\~
5853 \end{tabular}\hfill
5854 \begin{tabular}{@{}r@{: }l@{}}~
5855 \__hit_term:n {schoolidtitle} &~\__hit_term:n {schoolid}\\~
5856 \__hit_term:n {secretlevel} &~\g__hit_info_statesecrets_tl\\~

```

```

5857 \end{tabular}~
5858 }%
5859 }~
5860 \parbox[t][3.2cm][t]{\textwidth}{\begin{center}~\end{center}}~

    本部硕/博士第二页设置为“硕/博士学位论文”。深圳的我把博士也一块改了，要不然要
    重写一下判断，如果发现博士不需要改的话再重写吧…博士在 issue: #222 还是需要改...

5861 \parbox[t][2.4cm][t]{\textwidth}{~
5862 \xiaoer[1]~
5863 \begin{center}~
5864 \songti\bfseries
5865 \__hit_bool_expr:nTF{(\__hit_bool_p:n{harbin}~&&(\__hit_bool_p:n{master}~||~\__hit_bool_p:n{doctor})~
5866 {\__hit_term:n {cxuewei}}{\__hit_term:n {cdegree}}\__hit_term:n {cthesisname}}
5867 \end{center}}~
5868 \parbox[t][5cm][t]{\textwidth}{\erhao
5869 \begin{center}\heiti\g__hit_info_ctitlecover_tl\end{center}~
5870 \bool_if:cTF {l__hit_subtitle_bool} {\begin{center}\hspace{-4em}\xiaoer\heiti\pozhehao\g__hit_info_
5871 \parbox[t][9.8cm][b]{\textwidth}~
5872 {\sihao
5873 \dim_set:Nn \l__hit_cover_title_width_dim {6em}~
5874 \begin{center}~\cs_set:Npn \arraystretch {1.62}~\songti
5875 \begin{tabular}{l@{\__hit_term:n {title@csep}}l}~
5876 {\heiti \__hit_cover_label:n {\__hit_term:n {cauthortitle}}~&~\g__hit_info_cauthor_tl\\~
5877 {\heiti \__hit_cover_label:n {\__hit_term:n {csupervisortitle}}~&~\g__hit_info_csupervisor_tl\\~
5878 \tl_if_empty:NTF \g__hit_info_cassosupervisor_tl {} {}%
5879 {\heiti \__hit_cover_label:n {\__hit_term:n {cassosupervisortitle}}~&~\g__hit_info_cassosupervisor
5880 }
5881 \tl_if_empty:NTF \g__hit_info_ccosupervisor_tl {} {}%
5882 {\heiti \__hit_cover_label:n {\__hit_term:n {ccosupervisortitle}}~&~\g__hit_info_ccosupervisor_tl
5883 }
5884 {\heiti \__hit_cover_label:n {\__hit_term:n {cdegreetitle}}~&~\__hit_term:n {cdegree}\\~
5885 {\heiti \__hit_cover_label:n {\__hit_term:n {csubjecttitle}}~&~\g__hit_info_csubject_tl\\~
5886 {\heiti \__hit_cover_label:n {\__hit_term:n {caffilttitle}}~&~\g__hit_info_caffil_tl\\~
5887 {\heiti \__hit_cover_label:n {\__hit_term:n {cdatetitle}}~&~\g__hit_info_cdate_tl\\~
5888 {\heiti \__hit_cover_label:n {\__hit_term:n {cschoolnametitle}}~&~\__hit_term:n {cschoolname}}
5889 \end{tabular}~\cs_set:Npn \arraystretch {1}~
5890 \end{center}~}~
5891 \end{center}~
5892 }
5893

```

`\__hit_engcover:`

```

5894
5895 % 英文封面
5896 \NewDocumentCommand \emultiline {O{c} m}
5897 {%
5898 \cs_set:Npn \arraystretch {1}%
5899 \begin{tabular}[#1]{@{}l@{}}#2\end{tabular}~\cs_set:Npn \arraystretch {1.3}%
5900 }
5901 \cs_new:Npn \__hit_engcover: {~

```

```

5902 {%
5903 \xiaosi[1.667]\noindent Classified~Index:~\g__hit_info_natclassifiedindex_tl \\\[8pt]~
5904 U.D.C:~\g__hit_info_intclassifiedindex_tl %
5905 }~
5906 \vspace*{1em}~
5907 \begin{center}~
5908

```

深圳硕士英文封面第一行文字不同，修改。又要修改啦，哈哈。本部硕博英文封面第一行不包含学科类别。 **issue: #123**

```

5909 \parbox[t][1.6cm][t]{\textwidth}{\begin{center}~\end{center}}~
5910 \parbox[t][3.5cm][t]{\textwidth}{\xiaor[1]~
5911 \begin{center}~
5912 \__hit_bool_expr:nTF{\__hit_bool_p:n{shenzhen}~&&~\__hit_bool_p:n{master}}~
5913 {%
5914 Dissertation~for~the~Master~Degree~
5915 }~
5916 {%
5917 \__hit_bool_expr:nTF{\__hit_bool_p:n{harbin}~&&~(\__hit_bool_p:n{master}~||~\__hit_bool_p:n{doctor
5918 {Dissertation~for~the~{\__hit_term:n {exuweier}}~Degree}~
5919 {Dissertation~for~the~{\__hit_term:n {exuweier}}~Degree~in~\g__hit_info_exueke_tl}~
5920 }~
5921 \end{center}~
5922 \bool_if:cTF {l__hit_fulltime_bool} {\relax%
5923 } {%
5924 \begin{center}\__hit_term:n {ebraceleft}\g__hit_info_estudenttype_tl\__hit_term:n {ebraceright}\en
5925 }}~% 与中文保持一致，删除 in {\g__hit_info_exueke_tl}
5926 \parbox[t][7cm][t]{\textwidth}{%
5927 \__hit_measure_width:Nn \l__hit_cover_english_title_dim {\erhao\g__hit_info_etitle_tl\bool_if:cTF
5928 \begin{center}%
5929 % \changes{v3.1e}{2026/01/07}{英文内封标题默认二号字，可通过 etitleauto 选项启用自动调整}
5930 \bool_if:cTF {l__hit_etitleauto_bool} {
5931 \dim_compare:nNnTF {\l__hit_cover_english_title_dim} > {450mm} {\xiaor} {\erhao}%
5932 } {
5933 \erhao%
5934 }%
5935 \textbf{\MakeUppercase{\g__hit_info_etitle_tl}}%
5936 \bool_if:cTF {l__hit_subtitle_bool} {\__hit_term:n {title@esep}\MakeUppercase{\g__hit_info_esubtitl
5937 % 若信息内容不太长，不会引起信息内容分行时，使用 tabular 环境，否则使用下面的 tabularx
    环境。
5938 {\sihao\cs_set:Npn \arraystretch {1.3}~
5939 \begin{tabular}{@{}l@{\nobreakspace{}}l@{}}~
5940 \textbf{\__hit_term:n {eauthortitle}}\__hit_term:n {title@esep}}~&~\g__hit_info_eauthor_tl\\~
5941 \textbf{\__hit_term:n {esupervisortitle}}\__hit_term:n {title@esep}}~&~\g__hit_info_esupervisor_tl\\
5942 \tl_if_empty:NTF \g__hit_info_eassosupervisor_tl {} {%
5943 \textbf{\__hit_term:n {eassosupervisortitle}}\__hit_term:n {title@esep}}~&~\g__hit_info_eassosuperv
5944 }
5945 \tl_if_empty:NTF \g__hit_info_ecosupervisor_tl {} {%
5946 \textbf{\__hit_term:n {ecosupervisortitle}}\__hit_term:n {title@esep}}~&~\g__hit_info_ecosupervisor
5947 }

```

```

5948 \textbf{\_hit_term:n {edegreetitle}\_hit_term:n {title@esep}}~&~\_hit_term:n {edegree}\\~
5949 \textbf{\_hit_term:n {esubjecttitle}\_hit_term:n {title@esep}}~&\g__hit_info_esubject_tl\\~
5950 \textbf{\_hit_term:n {eaffilttitle}\_hit_term:n {title@esep}}~&\g__hit_info_eaffil_tl\\~
5951 \textbf{\_hit_term:n {edatetitle}\_hit_term:n {title@esep}}~&~\g__hit_info_edate_tl\\~
5952 \textbf{\_hit_term:n {eschoolnametitle}\_hit_term:n {title@esep}}~&~\_hit_term:n {eschoolname}
5953 \end{tabular}\cs_set:Npn \arraystretch {1}}~
5954 \end{center}~
5955 }
5956

```

`\makecover`

```

5957
5958
5959 % \changes{v2.0.10}{2019/6/25}{此处添加提交图书馆电子版的逻辑}
5960 % 博后没有英文封皮
5961 % \changes{v3.0.0}{2020/05/21}{博后没有英文封皮}
5962 \cs_new_protected:Npn \_hit_clearpage:
5963 { \bool_if:cTF {l__hit_openright_bool} { \cleardoublepage } { \clearpage } }
5964 \cs_new_protected:Npn \_hit_cover_break:
5965 { \bool_if:cTF {l__hit_library_bool} { \clearpage } { \cleardoublepage } }
5966 \cs_set_protected:Npn \makecover
5967 {
5968   \phantomsection
5969   \pdfbookmark [0] { \g__hit_info_ctitle_tl } { ctitle }
5970   \xiaosi [1]
5971   \begin { titlepage }
5972     \bool_lazy_and:nnF
5973       { \bool_if_p:c {l__hit_weihai_bool} }
5974       { \bool_if_p:c {l__hit_bachelor_bool} }
5975       { \_hit_first_titlepage: \_hit_cover_break: }
5976     \_hit_second_titlepage:
5977     \_hit_cover_break:
5978     \bool_lazy_or:nnF
5979       { \bool_if_p:c {l__hit_postdoc_bool} }
5980       { \bool_if_p:c {l__hit_bachelor_bool} }
5981     {
5982       \phantomsection
5983       \pdfbookmark [0] { \g__hit_info_etitle_tl } { etitle }
5984       \_hit_engcover:
5985       \_hit_cover_break:
5986     }
5987   \end { titlepage }
5988   \normalsize
5989   \_hit_makeabstract:
5990 }
5991

```

生成参考文献和关键字。

```

5992 \box_new:N \l__hit_keywords_label_box
5993 % Common with local dev; callers supply their box builder and hanging policy.

```

```

5994 \cs_new_protected:Npn \__hit_keywords_typeset:NNnnn #1#2#3#4#5
5995 {
5996   \group_begin:
5997     #1 #2 {#4}
5998     \noindent
5999     \bool_if:nT {#3}
6000     {
6001       \dim_set:Nn \tex_hangindent:D {\box_wd:N #2}
6002       \int_set:Nn \tex_hangafter:D {1}
6003     }
6004     \box_use_drop:N #2 #5\par
6005   \group_end:
6006 }
6007 \cs_new_protected:Npn \__hit_keywords_typeset:nn #1#2
6008 {
6009   \__hit_keywords_typeset:NNnnn
6010   \hbox_set:Nn \l__hit_keywords_label_box {\c_true_bool} {#1} {#2}
6011 }
6012
6013 \cs_new:Npn \__hit_makeabstract: {%
6014 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6015 \bool_if:cTF {l__hit_english_bool} {
6016 \addtocontents{toc}{\nobreakspace{}\hfill\textbf{Page}\par}~
6017 \addtocontents{\ext@table}{\noindent\sihao\textbf{Table}\nobreakspace{}\hfill\textbf{Page}}\par}%
6018 \addtocontents{\ext@figure}{\noindent\sihao\textbf{Figure}\nobreakspace{}\hfill\textbf{Page}}\par}
6019 } {}

```

英文版目录之前有 page 行

```

6020 \__hit_appendix_chapter:w*{\cabstracname}[\cabstracname]~
6021 \pagestyle{hit@headings}~
6022 \pagenumbering{Roman}~
6023 \hit@cabstrac
6024 \vskip12bp~
6025 \__hit_keywords_typeset:nn {\bool_if:cTF {l__hit_postdoc_bool} {\bfseries} {} \heiti__hit_term:n }

```

博士后关键字加粗

```

6026 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6027 \__hit_appendix_chapter:w*{\eabstracname}[\eabstracname]~
6028 \hit@eabstrac
6029 \vskip12bp~
6030 \__hit_keywords_typeset:nn {\textbf{Keywords:\enskip}}{\g__hit_info_ekeywords_tl}

```

定义符号表。

```

6031 \NewDocumentEnvironment {denotation} {0}{2.5cm}
6032 {%
6033 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6034 \__hit_appendix_chapter:w*{\__hit_term:n {denotation@ctitle}}[\__hit_term:n {denotation@etitle}]~
6035 \setcounter{table}{0}~
6036 \cs_set:Npn \thetable {\arabic{table}}% 使表编号为 1 的格式
6037 }
6038 {\cs_set:Npn \thetable {\arabic{chapter}-\arabic{table}}% 使表编号为 7-1 的格式

```

```
6039 \setcounter{table}{0}}%
```

定义索引、目录格式

```
6040 \cs_set_nopar:Npn \__hit_starttoc:n #1{% #1: float type, prepend type name in \listof*** entry.
6041 \cs_set_eq:NN \oldnumberline \numberline
6042 \cs_set_nopar:Npn \numberline ##1{\oldnumberline{\use:c {#1name}\hskip.4em~##1}}~
6043 \@starttoc{\use:c {ext@#1}}~
6044 \cs_set_eq:NN \numberline \oldnumberline }
6045 \cs_set_nopar:Npn \__hit_listof:nn #1#2{% #1: float type
6046 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6047 \__hit_appendix_chapter:w*[\use:c {list#1name}]{\use:c {list#1name}}[#2]~
6048 \__hit_starttoc:n{#1}}
```

只有英文版用到，且需要 clearpage

```
6049
6050
6051 \cs_set:Npn \listoffigures {\__hit_listof:nn{figure}{\listfigureenname}}
6052 \cs_set_nopar:Npn \l@figure {\addvspace{6bp}\@dottedtocline{1}{0em}{4em}}
6053 \cs_set:Npn \listoftables {\__hit_listof:nn{table}{\listtableenname}}
6054 \cs_set_eq:NN \l@table \l@figure
6055 \cs_set_nopar:Npn \ext@equation {loe}
6056
6057 \cs_set_protected:Npn \equcaption #1
6058 {
6059   \group_begin:
6060     % hyperref may include this anchor in the argument of tagform@.
6061     % It belongs to the displayed equation, not to the protected index write.
6062     \cs_set_eq:NN \Hy@make@anchor \prg_do_nothing:
6063     \addcontentsline {\ext@equation} {equation}
6064     {\protect\numberline {#1}}
6065   \group_end:
6066 }
6067
6068 \cs_new:Npn \listofequations {\__hit_listof:nn{equation}{\listequationenname}}
6069 \cs_set_eq:NN \l@equation \l@figure
```

4.5.10 目录

本科文科生要求目录有四级。

```
6070 \setcounter{secnumdepth}{3}
6071 \setcounter{tocdepth}{2}
6072 \bool_if:cTF {l__hit_bachelor_bool} {\bool_if:cTF {l__hit_tocfour_bool} {\setcounter{tocdepth}{3}}}
```

工大论文目录中的潜规则：目录中的目录位置是空白。

`\tableofcontents`

```
6073 \cs_set:Npn \tableofcontents {%
6074 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}

6075 \bool_if:cTF {l__hit_english_bool} {} {
6076   \phantomsection
6077   \markboth{\contentsname}{ccontent}~
```

```

6078 \__hit_latex_chapter:w*{\contentsname}~
6079 \pdfbookmark[0]{\contentsname}{ccontent}~
6080 \normalsize\@starttoc{toc}~
6081 }
6082 \bool_if:cTF {l__hit_doctor_bool} {
6083 \tableofengcontents

```

有些硕士的范例中带有英文目录，这里添加手动开关

```

6084 } {
6085 \bool_if:cTF {l__hit_engtoc_bool} {
6086 \tableofengcontents
6087 } {}
6088 }

```

将英文目录潜入中文目录命令中，进一步简化 thesis.tex 结构

```

6089 \bool_if:cTF {l__hit_english_bool} {
6090 \printnoidxglossary[sort=word,style=engstyle,title={Nomenclature},nopostdot,nonumberlist]~
6091 \listoftables
6092 \listoffigures
6093 } {}
6094 }

```

添加英文 toc 控制 按照我工要求的目录格式。

```

6095 \bool_if:cTF {l__hit_arialtoc_bool} {
6096 \cs_set_nopar:Npn \__hit_toc_font: {\sffamily}~
6097 } {}
6098 \cs_set_nopar:Npn \@pnumwidth {4em}% 规定中的提前悬挂
6099 \cs_set_nopar:Npn \@tocrmarg {\@pnumwidth}
6100 \cs_set_nopar:Npn \@dotsep {1}

```

此处临时更改一下对齐方式。CT_EX 似乎无法应对双语目录。todo:

```

6101 \skip_set:Nn \@tempdima {4em}%
6102 \hit@legacy@patch@e
6103 \hit@legacy@patch@f
6104 \cs_set_nopar:Npn \l@chapter #1 #2 {%
6105 \int_compare:nNnTF {\c@tocdepth} > {\m@ne} { \addpenalty{-\@highpenalty}%
6106 %\vskip 4bp \@plus\p@
6107 \begingroup
6108 \parindent \z@ \rightskip \@pnumwidth
6109 \parfillskip -\@pnumwidth
6110 \leavevmode
6111 \advance\leftskip\@tempdima
6112 \hskip -\leftskip
6113 % numberline is called here, and it uses \@tempdima

```

修改本科生论文目录格式 本科目录添加加粗

```

6114 {\bool_if:cTF {l__hit_bachelor_bool} {\rmfamily} {\use:c {hit@toc@font}}\heiti\bool_if:cTF {l__hit

```

博后和英文版需要加粗

```

6115 \leaders\hbox{$\m@th\mkern \@dotsep mu\hbox{.}\mkern \@dotsep mu$}\hfill
6116 \nobreak{\normalfont\normalcolor #2}\par
6117 \penalty\@highpenalty

```

```
6118 \endgroup
6119 } {}
```

按工大标准, 缩小目录中各级标题之间的缩进, 使它们相隔一个字符距离, 也就是 12pt。

```
6120 \cs_set_nopar:Npn \l@section {\@dottedtocline{1}{1em}{2em}}
6121 \cs_set_nopar:Npn \l@subsection {\@dottedtocline{2}{2em}{3em}}
6122 \cs_set_nopar:Npn \l@subsubsection {\@dottedtocline{3}{3\ccwd}{3.1em}}
```

英文目录格式。

```
6123 \cs_set_nopar:Npn \dotsep {0.75}~% 定义英文目录的点间距
6124 \skip_set:Nn \leftmargini {0pt}
6125 \skip_set:Nn \leftmarginii {0pt}
6126 \skip_set:Nn \leftmarginiii {0pt}
6127 \skip_set:Nn \leftmarginiv {0pt}
6128 \skip_set:Nn \leftmarginv {0pt}
6129 \skip_set:Nn \leftmarginvi {0pt}
6130
6131 \cs_set_nopar:Npn \engcontentsname {\bfseries Contents}
6132 \cs_new:Npn \tableofengcontents {~
```

此处添加英文目录的章标题格式, 默认细点

```
6133 \cs_set_nopar:Npn \l@chapter {\@dottedtocline{0}{0em}{5em}}% 控制英文目录: 细点\@dottedtocline 粗
点\@dottedtoclinebold
6134 \@restonecolfalse
6135 \chapter*{\engcontentsname %chapter* 上移一行, 避免在 toc 中出现。
6136 \pdfbookmark[0]{Contents}{econtent}~
6137 \mkboth{%
6138 \engcontentsname}{\engcontentsname}}~
```

此处临时更改一下对齐方式。CT_EX 似乎无法应对双语目录。删除增加 \hangindent 的方法, 其原因是 \numberline 多出一个空格

```
6139 \@starttoc{toe}%
6140 \legacy_if:nTF {@restonecol} {\twocolumn} {}
6141 \cs_set_nopar:Npn \dotsep {0.75}~% 定义英文目录的点间距
```

目录中附录的章号格式。

```
6142 \ctexset{%
6143 appendix/number=\bool_if:cTF {l__hit_bachelor_bool} {\arabic{chapter}} {\Alph{chapter}},~
6144 }
```

设置附录、结论、参考文献等格式。

`\__hit_engtoc_chapapp`: `\hit@engtoc@chapapp` 命令在英文目录正文显示为 “Chapter”, 在附录部分显示为 “Appendix”。

```
6145 \cs_set_eq:NN \hit@appendix \appendix
6146 \__hit_bool_declare:n{inappendix}
6147 \cs_set_nopar:Npn \__hit_engtoc_chapapp: {~
6148 \bool_if:cTF {l__hit_inappendix_bool} { Appendix~} { Chapter~}
6149 }

6150 \cs_set:Npn \appendix
6151 {%
6152 \cs_set_eq:NN \title \__hit_appendix_title:n
```

```

6153 \hit@appendix
6154 \bool_if:cTF {l__hit_bachelor_bool} {\cs_set:Npn \thechapter {\arabic{chapter}}} {}

6155 \__hit_bool_set_true:n {inappendix}
6156 }
6157 \cs_set:Npn \endappendix
6158 {%
6159 \cs_set_eq:NN \title \@gobble }
6160 \cs_set_eq:NN \title \@gobble
6161 \cs_new:Npn \__hit_appendix_title:n #1 {%
6162 \begin{center}~
6163 \bfseries\xiaosi #1~
6164 \end{center}}
6165 \newlist{translationbib}{enumerate}{1}
6166 \setlist[translationbib]{label=[\arabic*],align=left,nosep,itemsep=6bp,~
6167 leftmargin=10mm,labelsep=!,before=\vspace{0.5\baselineskip}\wuhao[1.3]}

```

conclusions (env.)

```

6168 \cs_new:Npn \conclusions
6169 {%
6170 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6171 \bool_if:cTF {l__hit_english_bool} {
6172 \__hit_appendix_chapter:w*{\__hit_term:n {conclusion@etitle}}[\__hit_term:n {conclusion@etitle}]~
6173 } {
6174 \__hit_appendix_chapter:w*{\__hit_term:n {conclusion@ctitle}}[\__hit_term:n {conclusion@etitle}]~
6175 }
6176 }
6177 \cs_new:Npn \endconclusions
6178 {}

```

acknowledgements (env.)

```

6179 \cs_new:Npn \acknowledgements
6180 {%
6181 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6182 \bool_if:cTF {l__hit_english_bool} {
6183 \__hit_appendix_chapter:w*{\__hit_term:n {acknowledgement@etitle}}[\__hit_term:n {acknowledgement@etitle}]~
6184 } {
6185 \__hit_appendix_chapter:w*{\__hit_term:n {acknowledgement@ctitle}}[\__hit_term:n {acknowledgement@ctitle}]~
6186 }}
6187 \cs_new:Npn \endacknowledgements
6188 {}

```

correspondingaddr (env.)

```

6189
6190 \cs_new:Npn \correspondingaddr
6191 {%
6192 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6193 \__hit_appendix_chapter:w*{\__hit_term:n {correspondingaddr@ctitle}}
6194 \cs_new:Npn \endcorrespondingaddr
6195 {}

```

博后用到的通讯页面

```

6196
6197
6198 \cs_new:Npn \resume
6199   {%
6200   \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6201   \__hit_appendix_chapter:w*{\__hit_term:n {resume@ctitle}}[\__hit_term:n {resume@etitle}]}
6202 \cs_new:Npn \endresume
6203   {}
6204 \cs_new:Npn \publication
6205   {%
6206   \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6207   \__hit_appendix_chapter:w*{\__hit_term:n {publication@ctitle}}[\__hit_term:n {publication@etitle}]}
6208 \cs_new:Npn \endpublication
6209   {}
6210
6211
6212 \cs_new:Npn \doctorpublication
6213   {%
6214   \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6215   \__hit_appendix_chapter:w*{\__hit_term:n {doctorpublication@ctitle}}
6216 \cs_new:Npn \enddoctorpublication
6217   {}

```

此处添加博后用到的博士生发表页面 此处中英文索引的格式设置尽量符合《[哈尔滨工业大学研究生学位论文撰写规范](#)》中给出的示例的格式。此处间距常数是人工调节的。

```

6218 \cs_new:Npn \ceindex
6219   {%
6220   \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6221   \__hit_appendix_chapter:w*{\indexname}[\__hit_term:n {index@etitle}]~
6222   \skip_set:Nn \columnsep {4em}~
6223   \begin{adjustwidth}{2em}{2em}~
6224   \begin{multicols*}{2}}
6225 \cs_new:Npn \endceindex
6226   {\end{multicols*}~
6227   \end{adjustwidth}~
6228   }
6229
6230 \newlist{idxwordlist}{description}{3}
6231 \setlist[idxwordlist,~1]{%
6232   itemsep=\baselineskip,~
6233   labelindent=8em,~
6234   font=\normalsize\bfseries,~
6235 }
6236 \setlist[idxwordlist,~2]{%
6237   nosep,~
6238   labelindent=2em,~
6239   font=\wuhao\rm,~
6240 }
6241 \setlist[idxwordlist,~3]{%

```

```

6242 nose,~
6243 labelindent=4em,~
6244 font=\wuhao\rm,~
6245 }

```

it_authorization_other:

```

6246 \cs_set_nopar:Npn \__hit_authorization_other: {%
6247 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6248 \__hit_appendix_chapter:w*{\__hit_term:n {authorization@ctitle}}[\__hit_term:n {authorization@etitle}]
6249 \xiaosi[1.6]\vspace{\baselineskip}~
6250 \begin{center}\xiaosan\heiti\__hit_term:n {declarename}\end{center}~
6251 \par\__hit_term:n {declaretext}
6252 \vspace{\baselineskip}~
6253 \par\hspace{6em}\__hit_term:n {authorsig}\hfill\__hit_term:n {frontdate}\__hit_term:n {datefill}
6254 \vspace{2\baselineskip}~
6255 \begin{center}\xiaosan\heiti\__hit_term:n {authorizationtitle}\end{center}~
6256 \par\__hit_term:n {authorizationtext}
6257 \vspace{2\baselineskip}~
6258 \par\hspace{6em}\__hit_term:n {authorsig}\hfill\__hit_term:n {frontdate}\__hit_term:n {datefill}
6259 \bool_if:cTF {l__hit_english_bool} {\vspace{\baselineskip}} {\vspace{2\baselineskip}}

```

英文版和中文版这里的间距不一样

```

6260 \par\hspace{6em}\__hit_term:n {teachersig}\hfill\__hit_term:n {frontdate}\__hit_term:n {datefill}
6261 }

```

authorization_bachelor:

```

6262 \cs_set_nopar:Npn \__hit_authorization_bachelor: {%
6263 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}

```

深圳校区原创性声明标题为黑体三号。但是三号放不下，我们定义一个 15.9bp 的字号，再将字距恢复默认设置来让它放得下。

```

6264 \bool_if:cTF {l__hit_shenzhen_bool} {
6265 \ctexset{~
6266 chapter/format~={\centering\__hit_title_font:\xsanhao\ziju{0}}~
6267 }~
6268 \phantomsection
6269 \markboth{原创性声明}{原创性声明}~
6270 \addcontentsline{toc}{chapter}{原创性声明}~
6271 \__hit_latex_chapter:w*{\__hit_term:n {declarename@bachelor}}~
6272 } {
6273 \bool_if:cTF {l__hit_harbin_bool} {
6274 \ctexset{chapter/beforeskip=4mm}~
6275 \__hit_latex_chapter:w*{哈尔滨工业大学本科毕业论文（设计）\__hit_term:n {原创性声明和使用权限}}~
6276 \addcontentsline{toc}{chapter}{\texorpdfstring{\bool_if:cTF {l__hit_chapterbold_bool} {\bfseries
        哈尔滨工业大学本科毕业论文（设计）原创性声明和使用权限}{哈尔滨工业大学本科毕业论文（设计）原创
        性声明和使用权限}}~
6277 } {
6278 \__hit_appendix_chapter:w*{\__hit_term:n {declarename@bachelor}}~
6279 }
6280 }

```

```

6281 \bool_if:cTF {l__hit_harbin_bool} {
6282 {\centering\xiaosan\heiti 本科毕业论文(设计)原创性声明\par}\vspace{3mm}~
6283 } {}
6284 \__hit_term:n {authorizationtext@bachelor}
6285 \vspace{\bool_if:cTF {l__hit_harbin_bool} { 4mm~} { 2\baselineskip }}~
6286 \bool_if:cTF {l__hit_weihai_bool} {
6287 \par\hfill\__hit_term:n {authorsig}\hspace{6em}~
6288 \vspace{1\baselineskip}~
6289 \par\hfill\__hit_term:n {teachersig}\hspace{6em}~
6290 \vspace{2\baselineskip}~
6291 \par\hfill\__hit_term:n {datefill}
6292 \songti
6293 } {}
6294 \par\hspace{6em}~\__hit_term:n {authorsig}\hfill\__hit_term:n {frontdate}\__hit_term:n {datefill}
6295 }

6296 \bool_if:cTF {l__hit_harbin_bool} {
6297 \par\vspace{19mm}{\centering\xiaosan\heiti 本科毕业论文(设计)使用权限\par}\vspace{4mm}~
6298 \__hit_term:n {second@authorizationtext@bachelor}
6299 \vspace{1\baselineskip}~
6300 \par\hspace{6em}\__hit_term:n {authorsig}\hfill\__hit_term:n {frontdate}\__hit_term:n {datefill}
6301 \vspace{0.7\baselineskip}~
6302 \par\hspace{6em}\__hit_term:n {teachersig}\hfill\__hit_term:n {frontdate}\__hit_term:n {datefill}
6303 } {}
6304 }

```

\authorization

```

6305 \NewDocumentCommand{\authorization}{s~o}{%
6306 \IfNoValueTF{#2}{%
6307 \bool_if:cTF {l__hit_bachelor_bool} {\__hit_authorization_bachelor:} {\__hit_authorization_other:}
6308 }{%
6309 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}%
6310 \phantomsection\addcontentsline{toc}{chapter}{\bool_if:cTF {l__hit_bachelor_bool} {
        深圳校区本科生目录中的原创性声明的部分为“原创性声明”,而不是 \hit@declarename@bachelor。
6311 \bool_if:cTF {l__hit_shenzhen_bool} { 原创性声明 ~} {
6312 \__hit_term:n {declarename@bachelor}} {\__hit_term:n {authorization@ctitle}}}%
6313 \bool_if:cTF {l__hit_doctor_bool} {%
6314 \addcontentsline{toe}{chapter}{\texorpdfstring{\bfseries \__hit_term:n {authorization@etitle}}{\__hit_term:n {authorization@etitle}}}
6315 } {}%
6316 \IfBooleanTF{#1}{% 有星号, 显示页码
6317 \includepdf[fitpaper=true,pagecommand={\thispagestyle{hit@scanpage}}]{#2}%
6318 }{% 无星号, 不显示页码
6319 \includepdf[fitpaper=true,pagecommand={\thispagestyle{empty}}]{#2}%
6320 }%
6321 }%
6322 }

```

\resolution

```

6323 \NewDocumentCommand{\resolution}{s~o}{%
6324 \__hit_bool_if:nTF{doctor}~
6325 {~
6326 \IfNoValueTF{#2}{~
6327 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}
6328 \__hit_appendix_chapter:w*{\__hit_term:n {resolution@ctitle}}[\__hit_term:n {resolution@etitle}]}~
6329 \begin{center}~
6330 \includegraphics[width=\textwidth]{figures/empty-resolution.pdf}~
6331 \end{center}~
6332 }{% 有文件, 读入 PDF
6333 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}%
6334 \phantomsection\addcontentsline{toc}{chapter}{\__hit_term:n {resolution@ctitle}}%
6335 \addcontentsline{toe}{chapter}{\texorpdfstring{\bfseries \__hit_term:n {resolution@etitle}}{\__hit
6336 \IfBooleanTF{#1}{% 有星号, 显示页码
6337 \includepdf[fitpaper=true,pages=-,pagecommand={\thispagestyle{hit@scanpage}}]{#2}%
6338 }{% 无星号, 不显示页码
6339 \includepdf[fitpaper=true,pages=-,pagecommand={\thispagestyle{empty}}]{#2}%
6340 }%
6341 }%
6342 }{}~
6343 }

6344 \cs_new:Npn \bibstyle@numerical {\bibpunct{[]{}{,}{s}{,}{\textsuperscript{,}}}}

    删除 inline 等定义, 此命令与 gbt7714 冲突
6345 % \newcommand\bibstyle@authoryear{\bibpunct{({})}{;}{a}{,}{,}}

6346 % \newcommand\bibstyle@inline{\bibpunct{[]{}{,}{n}{,}{\hit@inline@sep}}
6347 \citestyle{numerical}
6348 \cs_set_protected:Npn \inlinecite {\@inlinecite}
6349 \cs_set_nopar:Npn \@inlinecite #1{\begingroup\citestyle{inline}\cs_set_eq:NN \@cite \NAT@citenum \c
6350 \cs_set_eq:NN \onlinecite \inlinecite

```

\@biblabel 设置参考文献列表的序号中的括号为中文括号。在 [#1] 前加上 \mbox{\} 来获得正确的序号长度, 否则会因为 X_YLaTeX 下的标点挤压而计算错误, 这里应该整个包裹起来, 否则换行后缩进会有问题。

```

6351 \__hit_bool_expr:nTF{\__hit_bool_p:n{shenzhen}~||~(\__hit_bool_p:n{harbin}~&&~(\__hit_bool_p:n{mast
6352 {\cs_set_nopar:Npn \@biblabel #1{\mbox{ [#1] }}}{}

```

thebibliography (env.) 修改默认的 thebibliography 环境来适应间距的要求。

```

6353
6354 \cs_set:Npn \thebibliography #1
6355 {%
    这里我直接贴一个 issue 的链接: CTeX-Kit #701
6356 % \xeCJKDeclareCharClass{FullRight}{002E}%
6357 \bool_if:cTF {l__hit_openright_bool} {\cleardoublepage} {\clearpage}\phantomsection%
6358 \__hit_appendix_chapter:w*{\bibname}[\__hit_term:n {bibname@etitle}]
6359 \normalsize
6360 \list{\@biblabel{\@arabic\c@enumiv}}{%
6361 \str_if_eq:VnT \g_bib_labelalign_str {left} {

```

```

6362 \RenewDocumentCommand\makelabel{m}{##1\hfill}
6363 }
6364 \settowidth{\labelwidth}{\@biblabel{#1}}
6365 \bool_if:cTF {l__hit_shenzhen_bool} {
6366 \skip_set:Nn \labelsep {0pt}
6367 } {
6368 \skip_set:Nn \labelsep {0.5em}
6369 }
6370 \skip_set:Nn \itemindent {0pt}
6371 \skip_set:Nn \leftmargin {\labelsep+\labelwidth}
6372 \skip_add:Nn \itemsep {-0.8em}
6373 \usecounter{enumiv}%
6374 \cs_set_eq:NN \p@enumiv \empty
6375 \cs_set:Npn \theenumiv {\@arabic\c@enumiv}}%
6376 \sloppy\frenchspacing

6377 \flushbottom

6378 \bool_if:cTF {l__hit_splitbibitem_bool} {
6379 \clubpenalty0
6380 \@clubpenalty \clubpenalty
6381 \widowpenalty0%
6382 \interlinepenalty-50%
6383 } {
6384 \clubpenalty4000
6385 \@clubpenalty \clubpenalty
6386 \widowpenalty4000%
6387 \interlinepenalty4000%
6388 }
6389 \sfcode`.\@m}
6390 \cs_set:Npn \endthebibliography
6391 {\cs_set_nopar:Npn \@noitemerr
6392 {\@latex@warning{Empty 'thebibliography' environment}}}%
6393 \endlist\frenchspacing

6394 \hit@legacy@patch@g
6395 \cs_set:Npn \NAT@citesuper #1 #2 #3 {\ifNAT@swa
6396 \if*#2*\else#2\NAT@spacechar\fi
6397 \unskip\kern\p@\textsuperscript{\NAT@@open#1\NAT@@close\if*#3*\else#3\fi}%
6398 \else #1\fi\endgroup}
6399 \hit@legacy@patch@h
6400 \cs_set:Npn \NAT@cite #1 #2 #3 {\ifNAT@swa\NAT@@open\if*#2*\else#2\NAT@spacechar\fi
6401 #1\NAT@@close\if*#3*\else\textsuperscript{#3}\fi\else#1\fi\endgroup}

6402 %% 用以控制参考文献列表中单个作者的格式
6403 \exp_args:NNe \cs_new:Nn \g_bib_author_cs:n {
6404 \bool_if:NTF \g_bib_authorupper_bool {
6405 \exp_not:N \text_uppercase:n {#1}
6406 } {
6407 {#1}
6408 }

```

```

6409 }
6410 %% 用以输出参考文献列表中的作者
6411 \NewDocumentCommand{\bibauthor}{m}{
6412   \int_zero:N \l_tmpa_int
6413   \exp_args:Ne \tl_map_inline:nn {
6414     \exp_args:Ne \tl_tail:n {#1}
6415   } {
6416     \int_compare:nNnT
6417       \l_tmpa_int = \g_bib_maxauthor_int {
6418       \prg_break:n {\tl_head:N {#1}}
6419     }
6420     \int_incr:N \l_tmpa_int
6421     \g_bib_author_cs:n {##1}
6422   }
6423   \prg_break_point:
6424 }
6425
6426 \end{bookcls}

```

4.6 其它

在模板文档结束时即装入配置文件，这样用户就能在导言区进行相应的修改。

```

6427 \end{bookcls}
6428 \AtEndOfClass{\input{hithesisbook.cfg}}
6429 \AtEndOfClass{\sloppy}
6430 \end{bookcls}

```

4.7 DocSTRIP 的样式文件

```

6431 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
6432 % dtx-style
6433 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
6434 \dtxstyle
6435 \ProvidesPackage{dtx-style}
6436 \RequirePackage{hypdoc}
6437 % ltxdoc must scan complete expl3 names when displaying implementation macros.
6438 \def\MakePrivateLetters{\makeatletter\catcode`\_ =11\relax\catcode`\:=11\relax}
6439 \DeclareRobustCommand\cs[1]{\texttt{\char`\detokenize{#1}}}

```

默认字体为 fandol

```

6440 \RequirePackage[UTF8,scheme=chinese,fontset=fandol]{ctex}
6441 % \RequirePackage{newpxtext}
6442 % \RequirePackage{newpxmath}
6443 \IfFontExistsTF{TeXGyrePagellaX-Regular.otf}{%
6444   \setmainfont{TeXGyrePagellaX}[
6445     Extension = .otf,
6446     UprightFont = *-Regular,
6447     BoldFont = *-Bold,
6448     ItalicFont = *-Italic,
6449     BoldItalicFont = *-BoldItalic,

```

```

6450 ]
6451 }{%
6452 \setmainfont{texgyrepagella}[
6453   Extension=.otf,UprightFont=*-regular,BoldFont=*-bold,
6454   ItalicFont=*-italic,BoldItalicFont=*-bolditalic]
6455 }
6456 \IfFontExistsTF{IBMPlexSansCondensed-Regular.otf}{%
6457 \setsansfont{IBMPlexSansCondensed}{%
6458   Extension      = .otf,
6459   UprightFont     = *-Regular,
6460   BoldFont        = *-Bold,
6461   ItalicFont      = *-Italic,
6462   BoldItalicFont  = *-BoldItalic
6463 }
6464 }{%
6465 \setsansfont{texgyreheros}[
6466   Extension=.otf,UprightFont=*-regular,BoldFont=*-bold,
6467   ItalicFont=*-italic,BoldItalicFont=*-bolditalic]
6468 }
6469 \IfFontExistsTF{Iosevka Slab}{
6470 \setmonofont{Iosevka Slab}
6471 }{
6472 \IfFontExistsTF{Latin Modern Mono}{
6473   \setmonofont{Latin Modern Mono}
6474 }{
6475 }

```

添加 fallback 字体，这样无论本机/CI/Debian/macOS 都不会炸

```

6476 \RequirePackage[
6477   top=2.5cm, bottom=2.5cm,
6478   left=4cm, right=2cm,
6479   headsep=3mm]{geometry}
6480 \RequirePackage{array,longtable,booktabs}

```

重定义 booktabs 宏包的默认线宽，绘制三线表时不再需要显式设置，以实现更好的内容与格式分离

```

6481 \heavyrulewidth=1.5pt
6482 \lightrulewidth=1pt
6483 \cmidrulewidth=0.5pt
6484 \RequirePackage{listings}
6485 \RequirePackage{fancyhdr}
6486 \RequirePackage{xcolor}
6487 \RequirePackage{enumitem}
6488 \RequirePackage{etoolbox}
6489 \RequirePackage{metalogo}
6490 \RequirePackage{hyperref}

```

增加 ninecolors 宏包来使用更多颜色。

```

6491 \RequirePackage{ninecolors}
6492
6493 \colorlet{hit@macro}{blue!60!black}
6494 \colorlet{hit@env}{blue!70!black}

```

```

6495 \colorlet{hit@option}{purple}
6496 \patchcmd{\PrintMacroName}{\MacroFont}{\MacroFont\bfseries\color{hit@macro}}{}{}
6497 \patchcmd{\PrintDescribeMacro}{\MacroFont}{\MacroFont\bfseries\color{hit@macro}}{}{}
6498 \patchcmd{\PrintDescribeEnv}{\MacroFont}{\MacroFont\bfseries\color{hit@env}}{}{}
6499 \patchcmd{\PrintEnvName}{\MacroFont}{\MacroFont\bfseries\color{hit@env}}{}{}
6500
6501 \def\DescribeOption{%
6502   \leavevmode\@bsphack\beginngroup\MakePrivateLetters%
6503   \Describe@Option}
6504 \def\Describe@Option#1{\endgroup
6505   \marginpar{\raggedleft\PrintDescribeOption{#1}}%
6506   \hit@special@index{option}{#1}\@esphack\ignorespaces}
6507 \def\PrintDescribeOption#1{\strut \MacroFont\bfseries\sffamily\color{hit@option} #1\ }
6508 \def\hit@special@index#1#2{\@bsphack
6509   \beginngroup
6510     \HD@target
6511     \let\HDorg@encapchar\encapchar
6512     \edef\encapchar usage{%
6513       \HDorg@encapchar hdclindex{\the\c@HD@hypercount}{usage}%
6514     }%
6515     \index{#2\actualchar{\string\ttfamily\space#2}
6516       (#1)\encapchar usage}%
6517     \index{#1:\levelchar#2\actualchar
6518       {\string\ttfamily\space#2}\encapchar usage}%
6519   \endgroup
6520   \@esphack}
6521
6522 \lstdefinestyle{lstStyleBase}{%
6523   basicstyle=\small\ttfamily,
6524   aboveskip=\medskipamount,
6525   belowskip=\medskipamount,
6526   lineskip=0pt,
6527   boxpos=c,
6528   showlines=false,
6529   extendedchars=true,
6530   upquote=true,
6531   tabsize=2,
6532   showtabs=false,
6533   showspace=false,
6534   showstringspaces=false,
6535   numbers=none,
6536   linewidth=\linewidth,
6537   xleftmargin=4pt,
6538   xrightmargin=0pt,
6539   resetmargins=false,
6540   breaklines=true,
6541   breakatwhitespace=false,
6542   breakindent=0pt,
6543   breakautoindent=true,
6544   columns=flexible,

```

```

6545     keepspaces=true,
6546     gobble=2,
6547     framesep=3pt,
6548     rulesep=1pt,
6549     framerule=1pt,
6550     backgroundcolor=\color{gray!5},
6551     stringstyle=\color{green!40!black!100},
6552     keywordstyle=\bfseries\color{blue!50!black},
6553     commentstyle=\slshape\color{black!60}}
6554

```

修改抄录环境的高亮，使代码更易阅读。

```

6555     \lstdefinestyle{lstStyleShell}{%
6556         style=lstStyleBase,
6557         frame=1,
6558         rulecolor=\color{purple},
6559         language=bash,
6560         morekeywords = [1]
6561     {
6562         tlmgr, pdflatex, latexmk, xelatex, cd, dir, mkdir,
6563         ls, del, rm, mv, move, cp, copy, code, bibtex, biber,
6564         texdoc, kpsewhich, texhash, splitindex, latex, makeindex,
6565         make
6566     },
6567     morekeywords = [2]{action, info, option, update, install, remove, version, restore},
6568     otherkeywords = {--, -s, -o, -xelatex},
6569     morekeywords = [3]{--, -s, -o, -xelatex},
6570     keywordstyle = [1]{\bfseries},
6571     keywordstyle = [2]{\color{azure4}},
6572     keywordstyle = [3]{\color{green5}}
6573     % moredelim      = [s][\color{green5}]{\ -}{\ },
6574 }
6575
6576 \lstdefinestyle{lstStyleLaTeX}{%
6577     style=lstStyleBase,
6578     frame=1,
6579     rulecolor=\color{violet},
6580     language=[LaTeX]TeX,
6581     texcsstyle  =*[1]{\color{azure4}\bfseries},
6582     texcsstyle  =*[2]{\color{red3}\bfseries},
6583     moretexcs   = [1]
6584     {
6585         LaTeX, LaTeX, label, ref,
6586         tableofcontents, bibliography, bibliographystyle,
6587         cite, NeedsTeXFormat, ProvidesPackage, newcommand, mycmd,
6588         addbibresource, printbibliography, graphicspath,
6589         frontmatter, mainmatter, backmatter, printsubindex,
6590         makecover, authorization, hitsetup, dachu,
6591         chuhao, xiaochu, yihao, xiaoyi, erhao, xiaoer, sanhao,
6592         xiaosan, sihao, banxiaosi, xiaosi, dawu, wuhao, xiaowu, liuhao, xiaoliu, qihao, bahao,

```

```

6593         bicaption, caption, ltfontsize, longbionenumcaption, subfigure, includegraphics,
6594         toprule, midrule, bottomrule, endhead, endfirsthead, endfoot
6595     },
6596     deletetexcs = [1]{documentclass, usepackage, begin, end},
6597     moretexcs   = [2]{usepackage, documentclass, begin, end},
6598 }
6599
6600 \lstnewenvironment{latex}{\lstset{style=lstStyleLaTeX}}{}
6601 \lstnewenvironment{shell}{\lstset{style=lstStyleShell}}{}
6602
6603 \setlist{nosep}
6604
6605 \DeclareDocumentCommand{\option}{}{\meta}
6606 \DeclareDocumentCommand{\env}{m}{\textbf{\texttt{#1}}}
6607 \DeclareDocumentCommand{\pkg}{s m}{%
6608   \textsf{#2}\IfBooleanF#1{\hit@special@index{package}{#2}}}
6609 \DeclareDocumentCommand{\cls}{s m}{%
6610   \textsf{#2}\IfBooleanF#1{\hit@special@index{class}{#2}}}
6611 \DeclareDocumentCommand{\file}{s m}{%
6612   \texttt{#2}\IfBooleanF#1{\hit@special@index{file}{#2}}}
6613 \newcommand{\myentry}[1]{%
6614   \marginpar{\raggedleft\color{purple}\bfseries\strut #1}}
6615 \newcommand{\note}[2][Note]{%
6616   \color{magenta}{\bfseries #1}\emph{#2}}}
6617 \NewDocumentCommand\issue{o}{%
6618   \IfValueTF{#1}
6619     {\href{https://github.com/hithesis/hithesis/issues/#1}{issue: \##1}}
6620     {\href{https://github.com/hithesis/hithesis/issues}{issues}}}
6621 }

```

增加 \hitszthesis 来使参考 **HITSZThesis** 更加方便。

\hitszthesis

```

6622 \def\hitszthesis{\href{https://github.com/YangLaTeX/hitszthesis}{\textsc{Hitsz}}-\textsc{Thesis}}{}
6623 </dtx-style>
6624 <*bookcfg>
6625 \cs_new:Npn \pozhehao {——}
6626 \cs_set_nopar:Npn \hithesis {\textsc{hi}}-\textsc{Thesis}}
6627 \cs_set_nopar:Npn \hit {哈尔滨工业大学}
6628 \cs_set_nopar:Npn \PGR {\href{http://hitgs.hit.edu.cn/aa/fd/c3425a109309/page.htm}~
6629   {《\hit 研究生学位论文撰写规范》}}
6630 \cs_set_nopar:Npn \UGR {\href{http://jwc.hit.edu.cn/2566/list.htm}~
6631   {《\hit 本科生毕业论文撰写规范》}}
6632 \__hit_terms_set:nn {local}
6633 {
6634   inline@sep = {, },
6635 }
6636 </bookcfg>
6637 <*dtx-style>
6638 \newcommand{\pozhehao}{——}

```

```

6639 \def\hithesis{\textsc{hi}\-\textsc{Thesis}}
6640 \def\hit{哈尔滨工业大学}
6641 \def\PGR{\href{http://hitgs.hit.edu.cn/aa/fd/c3425a109309/page.htm}}
6642 { 《\hit 研究生学位论文撰写规范》 }
6643 \def\UGR{\href{http://jwc.hit.edu.cn/2566/list.htm}}
6644 { 《\hit 本科生毕业论文撰写规范》 }
6645 \dtx-style

6646 \dtx-style
6647 \NewDocumentEnvironment{hitrgu}{o o}
6648 { \IfNoValueTF{#1}{\PGR,\UGR}{#1}\IfNoValueF{#2}{#2 中}%
6649 \color{red} 规定: “}” }
6650 \dtx-style

```

5 修改记录

v1.0.01	General: 添加了捐助、矢量化本科论文模板的图片 logo	此处添加子图最后一行图题是否居中选项	100, 105
v1.0.02	General: 添加了思源字体说明	\@makecaption: 此处更改了选项的名称	120
v1.0.03	General: 默认开启 raggedbottom	\@makecaption: 优化了最后一行居中算法, 使其两边对齐、单词内部断行	120
v1.0.04	General: 修正英文目录中换行时无法对齐的 bug	v1.0.07	
	将 leftskip 设置参数至于外侧, 以便后续添加可以适应标题长度的 \contentsline 方法	v1.0.08	General: 修改附录中图、表、公式数字编码
v1.0.05	General: 彻底修正英文目录中换行时无法对齐的 bug		122
	矫正英文目录缩进与中文目录一致的 bug	v1.0.09	General: 修正 float 垂直间距 bug
\chapter: 添加 \ignorespaces 选项, 矫正英文目录多出一个空白而无法对齐的 bug	131		119
\section: 添加 \ignorespaces 选项, 矫正英文目录多出一个空白而无法对齐的 bug	131	添加 debug 包	105
\subsection: 添加 \ignorespaces 选项, 矫正英文目录多出一个空白而无法对齐的 bug	132	v1.0.10	General: 修改了索引的间距, 使其更符合规范中的示例
\subsection: 添加 \ignorespaces 选项, 矫正英文目录多出一个空白而无法对齐的 bug	132		66, 105, 163
v1.0.06	General: 删除 caption hang 的默认设置, 因为不在规范要求中	v1.0.11	General: 更改的中文标题, 根据反馈, 在封面中标题需要自由换行且不能影响到原创性声明。此处额外设置了一个变量 ctitlecover。
此处更改了选项的名称	100		133, 150
		v1.0.12	General: 修正 float 为 p 状态时默认不居中
			bug
		v1.0.13	General: 此处删除冗余的 Abstract 标题
			此处添加中文目录中 Abstract 是否均为大写选项
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			添加 \texorpdfstring 命令去除书签中带有格式时的警告
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部一样, 窝工三个校区规范怎么这么			添加参考文献 GBT2015	104
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v3.0.04			修改 bsmainpagenumberline 默认设置为	
General: 设置深圳校区开题报告的正文行距			true	100
与毕业论文模板一致	87			
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题为小三号字体	88		(revision 62369) 中与 ctex 宏包冲突,	
v3.0.09			且无法解决, 将正文字体替换为 TG	
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General: 按照规范中规定行距的 mm 数定义			TG Cursor, 至此将正文字体全面替换为	
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新规定, mainmatter 之前都用正文内容			operators, \mathrm, \mathit,	
作为页眉, 之后都用哈尔滨工业大学作为			\mathbf 命令的字体问题.	85, 102
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v3.0.11			体, 与 newtxmath 宏包更适配, 删除	
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个字	106		绘制三线表时不再需要显式设置, 以实现	
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General: 更改博后封皮中文字间距	136		上标. issue: #125	77
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v3.0.13			issue: #125	87, 105
General: 设置字距选项, 因为 word 和规范不		v3.0.22	General: 在深圳校区的本科生新规范中将	
一致	98		“(深圳)” 更改为 “深圳校区”。该处修改	
设置字距默认选项	101		会影响深圳博后的封面, 故添加	
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v3.0.14				
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格, 此处删除	28			

深圳校区中期模板封面范例中为“哈尔滨工业大学”。 issue: #126	91	_hit_second_titlepage_other:: 修改本部硕士第二封面的信息的对齐方式。 . .	154
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_hit_engcover:: 修改本部硕博英文封面第一行。 issue: #123	156	根据 issue: #97 修改合作导师的英文。	139
_hit_engtoc_chapapp:: 添加 \hit@engtoc@chapapp 来使英文目录中的附录为“Appendix”。	161	深圳校区硕士中期不翻页	90
_hit_second_titlepage_bachelor:: 修改深圳校区本科生毕业论文封面。	151	深圳校区硕士中期目录修改样式。 issue: #166	94
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		深圳校区硕士开题目录有标题。 issue: #166	94
		深圳校区硕士开题部分参考文献没有序号。 issue: #141	95

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_hit_second_titlepage_bachelor:: 深圳本科内封第二列要求左对齐。 issue: #136	151	将判断换成可以展开的 \ifboolexpe 来解决“Missing number”的错误, issue: #200	126
_hit_second_titlepage_other:: 修正本部硕(博)士(这里的空格)学位论文。	155	将哈尔滨本科的第一封面替换为 \hit@first@titlepage@other. issue: #172	146
\makecover: 修改深圳硕士中期的页脚。 issue: #166	95	将深圳校区硕士中期报告图注实现为“图 1-1 标题”的格式	87
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修改哈尔滨校区本科创新性成果的标题。 issue: #220	145	根据 issue: #228 更新深圳硕士中期目录样式	94
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修改最下方时间的实现方式, issue: #226	150	模板默认是 (bachelor), 为页脚做准备。	97
删了一些没用的定义, 更改哈尔滨本科的论文名。 issue: #172	116, 136	目录格式将在下文中设置	91
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发现 issue: #135 中的间距改错位置了。	126	\@biblabel: 按照 issue: #215 将哈尔滨硕博毕业论文的参考文献序号也改为全角。	166
取消了深圳博士中期——即 reportplus——中未使用到的参数 ctilecover	79	按着 issue: #211 来修改, 将 \mbox\{\} 包住整个 label。	166
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_hit_first_titlepage_other:: 修改哈尔滨本科的第一封面, 看起来和研究生的要统一起来了。issue: #172	增加选项: 英文内封标题是否根据长度自动调整字号	99
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_hit_second_titlepage_other:: 修改深圳博士第二封面, issue: #222	改为输出 {{, 等/et al}}{, 作者 1}...{, 作者-1}}, 以便由 cls 文件控制作者是否全大写和最大显示数量。	38
_hit_term:n{authorizationtext@bachelor}: 修改哈尔滨本科原创性声明的内容。issue: #172	本部硕士开题封面添加“学位论文”或“实践成果”。	92
_hit_term:n{second@authorizationtext@bachelor}: 修改哈尔滨本科知识产权的内容。issue: #172	添加 fallback 字体, 这样无论本机/CI/Debian/macOS 都不会炸	169
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\authorization: 调整 \fi 的位置。	解决了答辩决议只能插入首页的问题。适当调整了插入答辩决议相关代码的缩进。	165
\chapter: 根据 issue: #182 修改英文目录没有对齐的问题。	设置参考文献列表中的作者是否全大写和最大显示数量	73, 83, 98
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根据 issue: #222 修改深圳博士的页眉	\hit@headings: schrb: 添加扫描 PDF 专用页面样式, 只显示页码	109
\tableofcontents: 如果是英文版, 那只需要一个目录。	\resolution: schrb: 添加星号版本, 控制 PDF 扫描件是否显示页码	165
thebibliography: 更改完全角符号后的半角点号可能出现在行首, 规避一下。	thebibliography: FullRight 引入了太多 bug, 取消之 (bst 文件中加入了 nolinebreak)	166
v3.1e	设置参考文献列表标号的对齐方式	166
General: schrb: 将哈尔滨校区本科开题报告图表公式编号实现为“图 X-X”、“表 X-X”、“公式 (X-X)”的格式	v3.2a	
为上面的环境补充了一对空大括号	General: 使用 LaTeX3 重构三类、配置文件与示例样式的内部实现, 并整理内部函数命名; 主体常开 expl3, 保留原有用户接口、默认值与排版。	66
修复 Latin Modern Mono fallback 缺少 \IfFontExistsTF 防护导致 CI 编译文档失败的问题	修复 TeX Live 2026 中自定义公式标记写入公式清单时的超链接展开错误。	66
修改 bibeditor 的默认行为为同 bibauthor, 因为 bibauthor 已在 cls 中加以控制, 不再是所见即所得的输出模式	加载独立 wiseref 宏包, 并按模板语言与图表公式名称提供引用预配置。	66
修改本部硕士开题封面“学位”。	手册指定字体缺失时使用 TeX Gyre 字体, 保证手册可以构建。	66
修改本部硕士开题封面“学院(部)”和“学科/学位专业类别”。	最低 LaTeX 内核版本为 2023-06-01, 与 wiseref 的最低要求一致。	66
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