

Lyx/Latex

Articles, Thesis, Presentation

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- 1 Introduction of Lyx
- 2 Basic Elements of Typesetting
- 3 The Art of Typesetting Operation
- 4 Others

What is Lyx?

Frontend of Latex

A powerful tool to generate Latex code.

Installation

Windows: MikTeX - <http://miktex.org/>. Fully Installation

Linux: TexLive - <http://www.tug.org/texlive/>

Document Type

- 1 Article
- 2 Thesis
- 3 Presentation

Three Templates

Search the keyword: rcl google code

- 1 Article Template: `article-template-elsevier-1.0`
- 2 Thesis Template: `thesis-template-ecn`
- 3 Thesis Presentation Template: `thesis-template-ecn`

Examples using the three templates

- Article
- Thesis
- Thesis_Presentation

Latex: <http://math.ecnu.edu.cn/~latex/> In Chinese

Latex: <http://happymutant.com/latex/> In English

Lyx: in-line help and maillists

- ① Lyx▷Menu▷Help▷.... begin ... to ... end
- ② <http://www.mail-archive.com/lyx-users@lists.lyx.org/>
- ③ Examples
- ④ Templates

Format and Paragraph Controlling

- ① Part, Chapter, Section, Subsection, Paragraph
- ② Itemize, Enumerate, Description
- ③ Standard
- ④ Appendix
- ⑤

Styles and Formatting

- ① Text Styles
- ② Paragraph Settings
- ③ Formatting

Cross References

- ① Create a label for a section, part, chapter, equation, figures, tables, definitions, or anything else...
- ② Insert ▸ Cross Reference
- ③ Make sure to set Formatted Reference
- ④ Do not suffering the suffix of labels, e.g. Fig. 2.3, Tab. 4.5, Sec. 5.6

- ① Figure Float
- ② Sub Figure Float
- ③ External Graphics Format: PDF, Eps, Wmf, Tiff, Png
- ④ In-line Graphics: Produced by Latex code Directly
 - ① PS Tricks
 - ② Tikz/Pgf

- ① Table Float
- ② Sub Table Float
- ③ Interactive input and edit

- 1 Inline, Display Mode
- 2 Text Styles
- 3 Array Equations or Matrix
- 4 C-j ...
- 5 C-j C-j ...
- 6 See Menu \triangleright Help \triangleright Math

- ① Mendeley ▷ Collect all your reference in a bibtex database (*.bib)
- ② Lyx▷ Menu▷ Insert▷ List/Toc▷ Bibliography, Select the generated *.bib
- ③ Lyx▷ Menu▷ Insert▷ Citation...

- 1 File▷ Export
- 2 File▷ Import

- ① Master and Child Document
- ② Move Sections
- ③ Footnotes
- ④ Program Listings
- ⑤ Navigations
- ⑥ Reviewing (Change Tracking)
- ⑦ Document Settings
- ⑧ Spell Checker
- ⑨ Thesaurus
- ⑩ Preference

Art Of Typesetting Operation

- ① Cursor Moving
- ② Selecting
- ③ Copy, Special Copy, Past
- ④ Where to define Shortcuts and Commands

Subversion Control of Documents

- ① svn: sub version control
- ② svn database: https, ssh, file

Useful links

