



INTERMEDIATE LATEX DIGITAL ENVIRONMENT • WORKSHOP

Code: A-LaTeXInt

Duration: 2 half-days (4hr) . 2 sessions/year, 20 places/session

Public: all doctoral candidates

Lecturer: Jean Hare, jean.hare@lkb.ens.fr

Requisite: Content of A-LateXBeg

Objectives

More advanced topics of LaTeX

The course/workshop will be held in English in case of non-French speaking attendees

Contents

2 sessions focused on specific topics, mostly defined on demand

Typical subjects:

- 1-More on mathematic formatting:
 - Maths fonts, symbols and spacing; `amsmath` package for advanced typesetting
- 2-More on bibliography, use of `Biblatex`
 - Author-year: multiple bibliographies(with `BibTeX` and with `BibLaTeX`)
- 3-More on graphics
 - Use of `EPS` vs `PDF` vs `PNG` vs `JPG`
 - Programing graphics, a short introduction to `PGF/TikZ` and `PGFPlots`
 - `Inkscape`, `gnuplot`, `matplotlib`, `ImageJ`, `Igor Pro`
- 4-Introduction to `Beamer` class
 - Basics and predefined templates
 - Overlays and animation
- 5-Customization of styles
 - Packages `titlesec`, `Koma-script`
 - Patch commands using `etoolbox`

Method

Presentation and practical exercises

Doctoral candidates must have their `SU` login/password or, failing that, bring a laptop with LaTeX already installed or a flash drive in the `FAT32` format