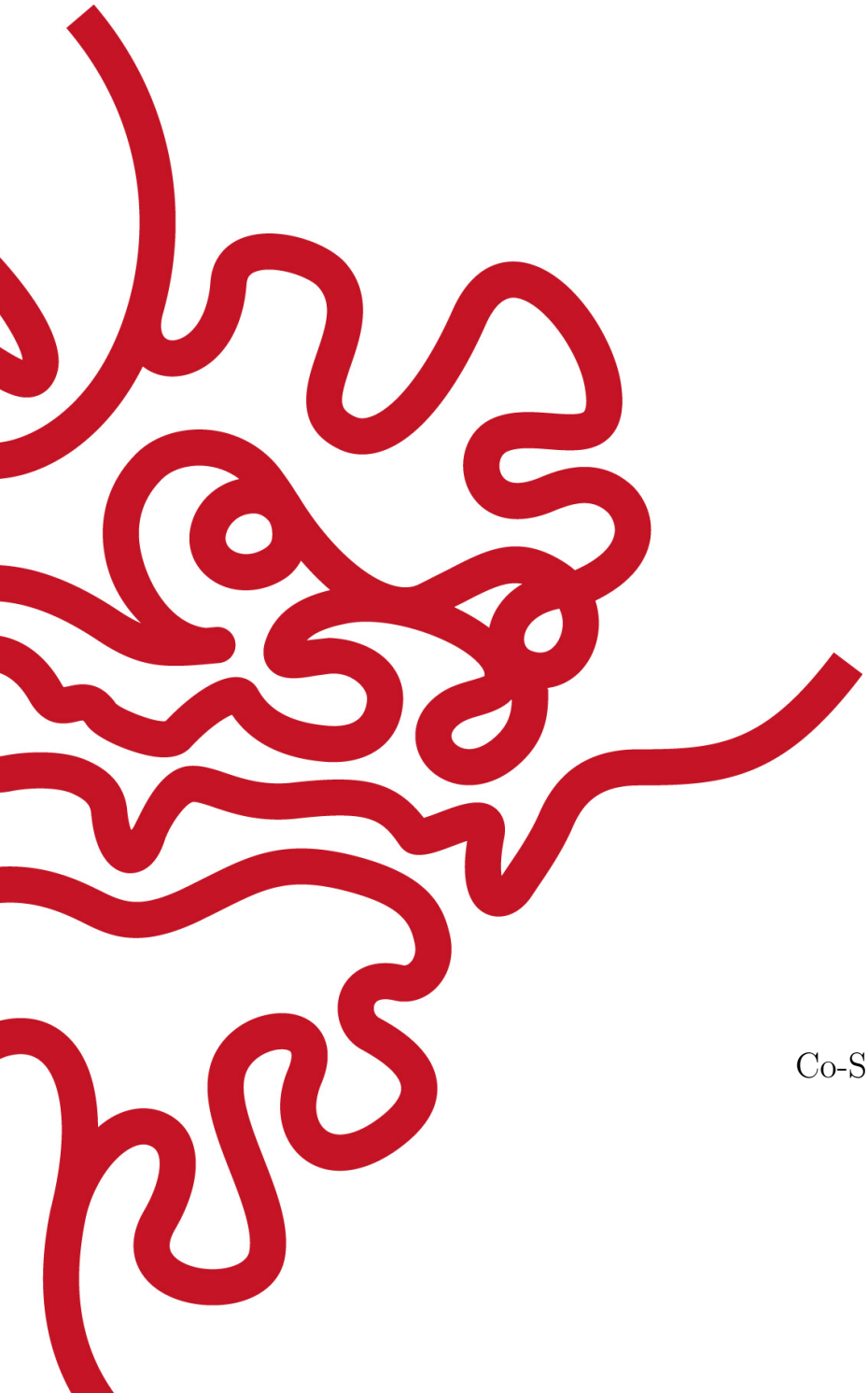
Okinawa Institute of Science and Technology
Graduate University

PhD Thesis Proposal

LaTeX thesis proposal template



by

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Abstract

LaTeX thesis proposal template

This should be a single paragraph of not more than 500 words, which concisely summarizes the entire proposal.

Contents

Chapter 1

Guidelines on format and content

You will find the most recent version of the guidelines here: `https://groups.oist.jp/grad/academic-program-policies`.

Many of the requirements such as page size, fonts, etc are built-in into this template.

You will find in `Preamble/mydefinitions.tex` some values that you need to modify to generate some pages like the front page or the abstract.

For the bibliography, we recommend using BibTeX or BibLaTeX and through the file `Preamble/Thesis_bibliography.bib` and referencing citations like this [1–3].

Chapter 2

How to use the template

This is a practical guide into how to use this template, by explaining the role of the different folders and files.

If some practices seem like overkill for a 20 page proposal (splitting the content across different files), that is because it probably is, but we built it this way because the PhD thesis template is structured identically. That means that you will be able to incorporate this document into your thesis seamlessly.

2.1 Folders

The main folder contains three folders detailed here:

- **Images.** This folder should contain all the images that you will use in your thesis. It can contain subfolders, for example one for each chapter. To include an image from the main text, use something like `\includegraphics{subfolder/image.jpg}` without worrying about the path to the `Images` folder.

- **MainText.** This folder contains a series of LaTeX files that form the main text: chapters and appendices. The PhD thesis template also has Introduction and Conclusion, here you can include them in the chapters.

- **Preamble.** This folder contains a series of LaTeX files with the pages that will appear before the main text. Please write (or copy and paste) your own text in those files and delete the dummy text when appropriate. The files are:

  - `abstract.tex` — Abstract. Follow directions in the file.
  - `mydefinitions.tex` — **Important** — This file should contain all the values relevant for the title page (name, thesis title, etc, which will be used automatically in the title and various preamble files), your bibliography style, all packages you need for your thesis and your custom definition and commands. Be careful of not importing a package that has already been imported in `xxx_Thesis.tex`, and be aware that some packages might interfere with each other.

- `physics_bibstyle.bst` — Bibliography style file modified by Jeremie Gillet in 2011 to suit his thesis. Might be suitable for physics. If you want to use another custom bibliography style, include the file in this folder.
- `Thesis_bibliography.bib` — BibTeX file containing your bibliography.

The PhD thesis template includes several other files, such as Acknowledgments or Glossary.

2.2 `Thesis_proposal.tex`

This is the main files, the only one that need to be compiled to build the document. Compile once with LaTeX, once with BibTeX and finally twice with LaTeX to get all the references right.

Let's go through each section and comment them briefly. The last section will emphasize the differences between the two files.

2.2.1 PACKAGES AND OTHER DOCUMENT CONFIGURATIONS

This section contains the minimum number of packages and definitions to compile the thesis. No line should be removed or modified.

2.2.2 ADD YOUR CUSTOM VALUES, COMMANDS AND PACKAGES

This section should not be modified directly. Instead, your packages and definitions should be included in `Preamble/mydefinitions.tex`.

2.2.3 TITLE PAGE

Creates the title page. Do not modify.

2.2.4 PREAMBLE PAGES

Structures the style (header) for the preamble pages and builds them. Do not modify.

2.2.5 LIST OF CONTENTS/FIGURES/TABLES

Creates the list of contents. Do not modify.

2.2.6 THESIS MAIN TEXT

Structures the style for the main text chapters and builds them.

2.2.7 BIBLIOGRAPHY

Builds the bibliography. The style of the bibliography can be defined in `Preamble/mydefinitions.te`

2.2.8 APPENDICES

Structures the style for the appendices and builds them. The appendices are numbered with letters but are structured like regular chapters.

Chapter 3

Figures, tables and images

3.1 Figures

Refer to figure like this: Figure 3.1 or this (Fig. 3.1). If you want to include a list of figure, you can use a short version of the caption as shown in Figure 3.1.

3.2 Tables

Refer to tables this this: Table 3.1.

Figure 3.1: Short caption (if wanted). Full caption with all the details here.

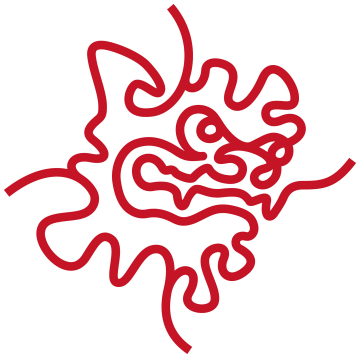

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Table 3.1: Short heading for the List of Tables.

Parameter	Value
Δ	0, 150
α	85
ϵ	6
κ	6.8
γ	0.2

Full caption with all the details here.

Parameter	Value
Δ	0, 1500
α	850
ϵ	60
κ	68
γ	2

This secret table won't be numbered and won't appear in the List of Figures because of the *

Bibliography

[1] H. Lee and M. Scully, *The Physics of EIT and LWI in V-Type Configurations*, Found. Phys. **28**, 585–600 (1998).

[2] M. Mücke, E. Figueroa, J. Bochmann, C. Hahn, K. Murr, S. Ritter, C. J. Villas-Boas, and G. Rempe, *Electromagnetically induced transparency with single atoms in a cavity*, Nature **465**, 755–758 (2010).

[3] H. Kramers, *Scattering of light by atoms*, Atti Cong. Intern. Fisica Como **2**, 545–557 (1927).

Appendix A

About Appendices

Appendices are optional and should only be used if necessary.