Abstract

This is a LaTeX template intended for academic theses, and was put together by Jabir Ali Ouassou while preparing his PhD dissertation. The template itself is released under a Creative Commons Attribution licence (CC BY 4.0). This basically means that you are free to use the template for any purpose as long as you give appropriate credit.

The template bundles the Libertinus fonts, which is used for all regular text and mathematics, and the URW classico fonts, which are used for chapter and section headings. The former is available under the Open Font Licence (SIL OFL 1.1), and is free for both private and commercial use. The latter is available under the Aladdin Free Public Licence (AFPL), and is only free for non-commercial use. If commercial use is of importance, a suitable replacement for URW classico would be the Libertinus Sans fonts, which are also bundled with the template.

Note that this template relies on LuaLaTeX for e.g. font customization, and on BibTeX for reference handling. For command-line users, the easiest way to compile the document is to run `latexmk -lualatex thesis.tex`. If using an IDE, please check the program settings for how to enable compilation with LuaLaTeX and BibTeX. The template is based on the KOMA-Script book class (`scrbook`), so for further customization of the template, please check out their documentation.

The template does not include a title page. This is because the style requirements typically varies between universities, and many institutions will anyway autogenerate a titlepage upon thesis submission.

Preface

This would be a natural place to specify what kind of thesis this is, acknowledge your supervisor and coworkers, and so on.

Contents

Chapterapt 1

Introduction

Write an INTRODUCTION to the field field here.

Chapterapt 2

Example chapter

This chapter serves as a simple demonstration of what the thesis template looks like. It provides some simple examples of typical content in academic theses; see e.g. table 2.1, figure 2.1, and equation (2.2). In addition, it shows what the default chapters, sections, and margins look like. For completeness, we also include some references [1–3].

2.1 Here is an example section

Here is an example of a display equation: a self-consistency equation taken from the study of superconductivity. Note that all equations are left-justified instead of centered. In text with a large number of short display equations, this makes the text easier to follow with your eyes, since they don't have to jump large distances at a time. It also makes the page look more organized due to the constant indentation level.

$$\Delta(z) = \int_0^\infty \mathrm{d}\epsilon \ \mathrm{Re}\big[f_s(\epsilon)\big] \tanh\left(\frac{\pi}{2e^\gamma}\frac{\epsilon/\Delta_0}{T/T_\mathrm{c}}\right) \tag{2.1}$$

Here is another example, in the form of Maxwell's equations. Note the consistent indentation level compared to the equation above.

$$\begin{aligned} \nabla\cdot\mathbf{D} &= \rho, \quad \nabla\times\mathbf{E} = 0 - \partial_t\mathbf{B}; \\ \nabla\cdot\mathbf{B} &= 0, \quad \nabla\times\mathbf{H} = \mathbf{J} + \partial_t\mathbf{D}. \end{aligned} \tag{2.2}$$

Finally, we will show some examples of tables and figures. Note how the width of table 2.1 matches the indentation level of the equations. The captions are formatted using a small font and extra margins, which helps separate the captions from the surrounding text.

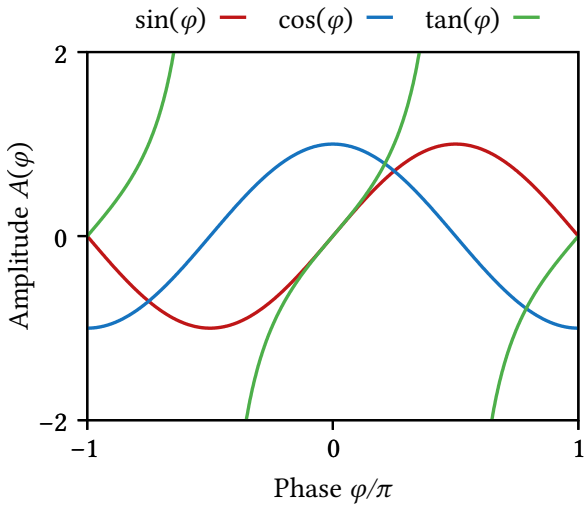

Figure 2.1: This is an example figure made by GNUPLOT. I have also included an intentionally long caption to show the margins.

2.2 Lorem ipsum

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Table 2.1: Test table with some mathematical constants.

Name	Symbol	Value
Euler constant	e	$2.71\ldots$
Circle constant	π	$3.14\ldots$
Imaginary identity	i	$\sqrt{-1}$

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Chapterapt 3

Conclusion

This would be a natural place to summarize your main results, and perhaps provide an outlook for future developments in the field.

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