BOSTON UNIVERSITY

GRADUATE SCHOOL OF ARTS AND SCIENCES

Thesis

TITLE

by

AUTHOR

Your previous degree, Your university, Year granted

Submitted in partial fulfillment of the

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Master of Science

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Approved by

First Reader _____

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Acknowledgments

The style file is originally based on an MIT sytle file by Stephen Gildea, modified for BU by Paolo Gaudiano. Modified for CNS by Jonathan Polimeni. Further modifications by Janusz Konrad, Cameron Morland, and Karen Yeats.

This example file takes some comments from a previous example file of unknown authorship.

TITLE

AUTHOR

ABSTRACT

This document serves as an example of how to use the BU thesis style file. This document is written from the point of view of a math grad student, but the style file is agnostic on department.

Contents

List of Symbols

1PI 1-particle irreducible, that is, 2-connected

β .. the physicists' β-function describing the nonlinearity of a Green function

Chapter 1

Introduction

The BU LaTeX thesis style file has been around for some time. Many different versions have evolved. Collecting together and charting the heritage of the disperate versions could probably be a paper in a suitable discipline. This version has been through ECE and CNS and has now arrived in math.

This version is an attempt to clean up one version in the hopes that some of this fractuousness can be avoided in the future. I believe it to be correct. Beyond correctness it has three main features. Due to its ECE heritage it has an option to make an unofficial title box page (to match with the cut out in a cardboard report cover). Also from ECE it can be used to make prospectuses and other types of theses. Finally it includes some cv-making commands modified from a resume style file by Miklos Csuros.

Chapter 2

Content

2.1 How to compile

I confess that I don't know how to compile this in all the popular programs everyone uses these days, but if you just put the style file `bu_math_thesis.sty` wherever you usually do and the the rest of the compilation is plain LaTeX and plain bibtex for the example bibliography. You don't have to use bibtex to use this style file, it's merely what this example uses (and a good idea for long or complicated documents).

2.2 Comments on features

Chapters have no number on their first page and the numbers on subsequent pages are in the middle at the top. The latter is required and the former is acceptable.

2.2.1 Subsections work

2.2.1.1 Subsubsections work

The style file is compatible with many other styles and packages. You should have no problem including graphics in your favorite way for example. One should just be careful not to modify the headers or margins unless one is sure one knows what one is doing.

Regarding margins, I have simply been able to compile this file (at the command line in linux via `latex`) and then convert the dvi to a ps file (at the command line via `dvips`) and print the ps either on the printer `bott` or on `canon`. I brought a copy printed on `canon` to my format review meeting and Martha Khan was happy with it though there is a small

amount of vertical jitter caused by the printer. People have had problems in the past with margins coming out differently than expected. This may partly be due to the fact that sometimes linux systems have A4 as the default paper size which can cause problems when the resulting document is inevitably printed on letter size paper. If you are using `dvips` on the command line, the way to make certain the result is letter size is `dvips -t letter`. That is what I do and it works for me.

The bibliographic style can be whatever is standard in one's field. For much of math this is the often maligned plain style, eg [**?**]. The style file has also been tested with apalike. To use apalike both set the `\bibliographystyle{apalike}` and include the package `apalike`. The bibliography can be single spaced as below. I'm using bibtex, though that's not required.

Chapter 3

Conclusions

Have as many chapters as you like. Good luck.

List of Journal Abbreviations

Nucl. Phys. B	Nuclear Physics B: Particle physics, field theory and statistical systems, physical mathematics

Bibliography

Curriculum Vitae