

TEMPLATE FOR A BSU GRADUATE THESIS

by

T. Dylan Mikesell

A dissertation

submitted in partial fulfillment

of the requirements for the degree of

Doctor of Philosophy in Geophysics

Boise State University

Monday 16th September, 2019

© 2019

T. Dylan Mikesell

ALL RIGHTS RESERVED

BOISE STATE UNIVERSITY GRADUATE COLLEGE

DEFENSE COMMITTEE AND FINAL READING APPROVALS

of the thesis submitted by

T. Dylan Mikesell

Thesis Title: Template for a BSU Graduate Thesis

Date of Final Oral Examination: 25 October 2017

The following individuals read and discussed the dissertation submitted by student T. Dylan Mikesell, and they evaluated the students presentation and response to questions during the final oral examination. They found that the student passed the final oral examination.

Dylan Mikesell Ph.D. Chair, Supervisory Committee

Jeffrey B. Johnson Ph.D. Member, Supervisory Committee

Karen Viskupic Ph.D. Member, Supervisory Committee

The final reading approval of the thesis was granted by Dylan Mikesell Ph.D., Chair of the Supervisory Committee. The thesis was approved by the Graduate College.

DEDICATION

to all us geeks out there

ACKNOWLEDGMENT

This is where you would thank your Leader, colleagues, teachers, family, pets, your teacher's pets and all your fans out there.

AUTOBIOGRAPHICAL SKETCH

I was born at a very young age.

ABSTRACT

Here is where you paste your abstract. In this directory are the files and examples for the BSU format for a PhD or MS thesis. Now, if BSU wants, we can make the heading look like the introduction header, for instance, that is no sweat.

TABLE OF CONTENTS

DEDICATION	iv
ACKNOWLEDGMENT	v
AUTOBIOGRAPHICAL SKETCH	vi
ABSTRACT	vii
LIST OF FIGURES	x
LIST OF TABLES	xi
LIST OF ABBREVIATIONS	xii
LIST OF SYMBOLS	xiii
1 INTRODUCTION	1
2 EXAMPLE OF A CHAPTER	2
2.1 Summary	2
2.2 Introduction	2
2.3 Example of a section	2
2.3.1 Example of a subsection	2

2.3.2 Abbreviations	4
REFERENCES	5
APPENDICES	6
A EXAMPLE OF AN APPENDIX	7

LIST OF FIGURES

2.1	Top-view of the experimental configuration (left) on the smooth face of aluminum.	3
-----	--	---

LIST OF TABLES

2.1	Approximate 95% confidence intervals (in ms) for the true standard deviation $\sigma = 2.0$ ms of the VSP data. The first column corresponds to the model-independent estimate, the others are model-based estimates from the three different L-curves.	3
-----	---	---

LIST OF ABBREVIATIONS

LA Los Angeles

NY New York

SVM support vector machine

UN United Nations

LIST OF SYMBOLS

σ	The mass of one angel
σ_I	The number of angels per needle point
σ_μ	The number of angels per unit area
$\sigma_{1/\lambda}$	The total mass of angels per unit area
σ_L	The area of the needle point

CHAPTER 1:

INTRODUCTION

This is an attempt at a template for your thesis using the latest versions and features of L^AT_EX (version 2 ϵ).

Even if you are unfamiliar with L^AT_EX, you should be able to pick it up with little effort. The nice thing is that L^AT_EX does all type-setting for you, and you don't need to worry about where to insert figures, order references etc. etc. Your systems administrator should be able to help you install the necessary software, and the rest of particular files you need to create your thesis are packed with this template.

L^AT_EX is free, and runs under most operating systems (MAC, Windows, Unix or Linux).

This template is very close to the demands for style in the "Standards" brochure of BSU, and based on the "report" class in L^AT_EX. Special tweaks of certain things (like the generation of the committee sheet, and the layout of the title page) are done in a file called BSUthesis.sty. **DO NOT ALTER THIS FILE.** Instead shoot me an e-mail or drop by if something needs changing.

CHAPTER 2:

EXAMPLE OF A CHAPTER

For the thesis format for BSU, here is an example Chapter.

2.1 Summary

This is an example of a Chapter.

2.2 Introduction

We present an example of a Chapter

2.3 Example of a section

This is an example of a Chapter, like in van Wijk (2003). Let us include Figure 2.1 from a paper we wrote a while back (Scales & van Wijk, 2001). As you can see in `examplechapter.tex`, the figure label is dynamic. This means that if you change the order of the figures, or remove one, you will not have to renumber these by hand.

By the way, in `examplebib.bib` are examples of most formats for your bibliography. Another way of using `natbib` is like this: (or van Wijk, 2003, for example). For a complete overview of the features of the `natbib` package for `bibtex`, see `natbib.pdf` in this directory.

2.3.1 Example of a subsection

There are headings for chapters, sections, subsections and even subsubsections:

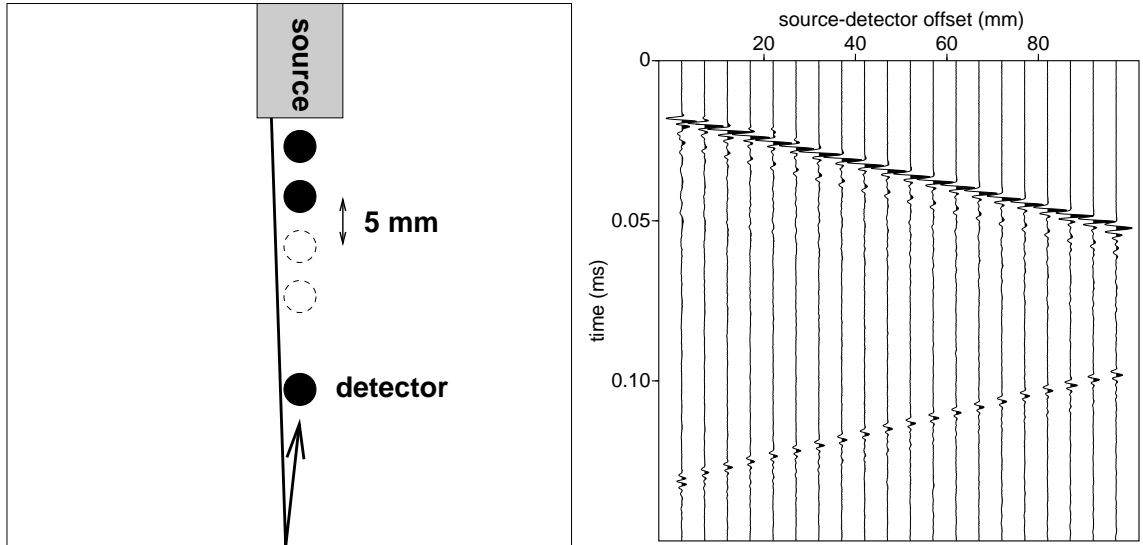


Figure 2.1: Top-view of the experimental configuration (left) on the smooth face of aluminum.

Table 2.1: Approximate 95% confidence intervals (in ms) for the true standard deviation $\sigma = 2.0$ ms of the VSP data. The first column corresponds to the model-independent estimate, the others are model-based estimates from the three different L-curves.

σ_{μ}	σ_I	σ_L	$\sigma_{1/\lambda}$
2.02 ± 0.03	1.90 ± 0.03	1.92 ± 0.03	1.93 ± 0.03

Appendices

In Appendix A there is an example of an equation, while 95% confidence intervals for σ are given in Table 2.1.

more bla di bla (to create some more pages)

2.3.2 Abbreviations

New York (NY), Los Angeles (LA) and United Nations (UN) are abbreviations

First use: support vector machine (SVM).

Second use: SVM.

and a little more...

Let's cite one more paper Mateeva (2001).

REFERENCES

- Mateeva, A. A. 2001. Spectral footprint of intraband multiples. *Pages 255–268 of: CWP Project Review*, vol. 384. Center for Wave Phenomena, Colorado School of Mines.
- Scales, J. A., & van Wijk, K. 2001. Tunable multiple-scattering system. *Applied Physics Letters*, **79**(14), 2294–2296.
- van Wijk, K. 2003. *Multiple scattering of surface waves*. Ph.D. thesis, Colorado School of Mines.

APPENDIX A:
EXAMPLE OF AN APPENDIX

Here are two examples of the math format:

$$|T| \sim \exp(-\tilde{R}(k)x), \quad (\text{A.1})$$

and

$$I_t(x, t) = \exp(-Bvt/\ell_s - vt/\ell_a) \exp(Bvt/\ell_s(1 - 1/2(x/vt)^2)) \times \\ (2\pi\ell_s/Bvt)^{-1/2}. \quad (\text{A.2})$$

You can also display the math from expression(A.1) within lines of text: $|T| \sim \exp(-\tilde{R}(k)x)$, or separate without numbers:

$$|T| \sim \exp(-\tilde{R}(k)x).$$