

# TEMPLATE FOR A BSU GRADUATE THESIS

by

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submitted in partial fulfillment

of the requirements for the degree of

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**DEFENSE COMMITTEE AND FINAL READING APPROVALS**

of the thesis submitted by

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The following individuals read and discussed the dissertation submitted by student T. Dylan Mikesell, and they evaluated the student's presentation and response to questions during the final oral examination. They found that the student passed the final oral examination.

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# **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.

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## LIST OF ABBREVIATIONS

This document is incomplete. The external file associated with the glossary ‘acronym’ (which should be called `BSUmain.acr`) hasn’t been created.

Check the contents of the file `BSUmain.acn`. If it’s empty, that means you haven’t indexed any of your entries in this glossary (using commands like `\gls` or `\glsadd`) so this list can’t be generated. If the file isn’t empty, the document build process hasn’t been completed.

You may need to rerun  $\LaTeX$ . If you already have, it may be that  $\TeX$ ’s shell escape doesn’t allow you to run `makeindex`. Check the transcript file `BSUmain.log`. If the shell escape is disabled, try one of the following:

- Run the external (Lua) application:

```
makeglossaries-lite "BSUmain"
```

- Run the external (Perl) application:

```
makeglossaries "BSUmain"
```

Then rerun  $\LaTeX$  on this document.

This message will be removed once the problem has been fixed.



# CHAPTER 1:

## INTRODUCTION

This is an attempt at a template for your thesis using the latest versions and features of  $\text{\LaTeX}$  (version 2 $\epsilon$ ).

Even if you are unfamiliar with  $\text{\LaTeX}$ , you should be able to pick it up with little effort. The nice thing is that  $\text{\LaTeX}$  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.

$\text{\LaTeX}$  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  $\text{\LaTeX}$ . 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:

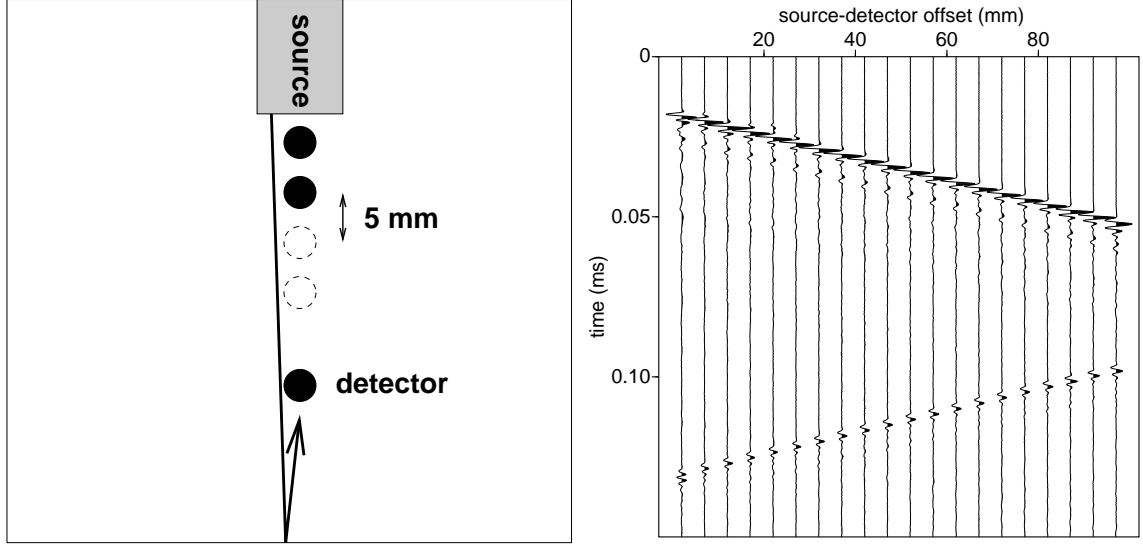


Figure 2.1: Top-view of the experimental configuration (left) on the smooth face of aluminum.

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.

$\sigma_\mu$	$\sigma_I$	$\sigma_L$	$\sigma_{1/\lambda}$
$2.02 \pm 0.03$	$1.90 \pm 0.03$	$1.92 \pm 0.03$	$1.93 \pm 0.03$

## Appendices

In Appendix A there is an example of an equation, while 95% confidence intervals for  $\sigma$  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 whereas First use: support vector machine (SVM). Second use: SVM.

and a little more...

## REFERENCES

- 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:

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

and

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

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:

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