

THESIS TITLE CENTERED ON THE PAGE VERTICALLY AND HORIZONTALLY,  
IN ALL UPPER CASE LETTERS AND IN AN INVERTED PYRAMID

SHAPE. MATH MODE:  $\frac{2^{15}}{\pi}$

by  
Student Name

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A thesis submitted to the Faculty and the Board of Trustees of the Colorado School of Mines in partial fulfillment of the requirements for the degree of Doctor of Philosophy (Computer Science).

Golden, Colorado

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Golden, Colorado

Date \_\_\_\_\_

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Department of XXX

## ABSTRACT

The abstract is a concise, one to three sentence statement of the thesis problem, a brief description consisting of no more than a few sentences describing the research method or design, and a report of the major findings and conclusions.

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## ACKNOWLEDGMENTS

This optional page includes a paragraph or two acknowledging and thanking your advisor(s), committee members, funding sponsors, family members etc.

Typically, if you acknowledge everyone here, you won't have a dedication page.

Dedication Page: A dedication page is optional and not frequently included in a thesis. However, occasionally the thesis writer wants to dedicate the document to a professional colleague, friend, or relative. A dedication typically expresses gratitude for someone's support. If a dedication page is included, it is placed at the end of the front matter section, following the acknowledgments. Typically, a dedication page has no title, it simply states, e.g., "For my father." Roman numeral page numbering continues on the dedication page.

## CHAPTER 1

### INTRODUCTION

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#### 1.1 First section

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Lamport et al. Lamport (1994) did something.

Many papers Makuuchi (2000); Yassin et al. (1994) did something.

All papers Makuuchi (2000); Yassin et al. (1994); Goossens et al. (1994); Lamport (1994) did something.

Online link LLC (1999) is about something.

More papers: Columbus (1492), Goossens et al. (1994), James et al. (1776), Columbus (1492); Phillips (1999); Green et al. (1900); Smith and Weston (1954)

## CHAPTER 2

REPRODUCED CHAPTER: THIS CHAPTER REPRESENTS THAT STYLE USED  
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OR HAS BEEN ACCEPTED FOR PUBLICATION

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2012 Elsevier Ltd. Katherine Smith <sup>\*</sup> <sup>1</sup>, Eric Wright <sup>†</sup> <sup>2</sup>

### Abstract

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---

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## CHAPTER 3

THIS IS A REALLY REALLY LONG TITLE THAT SOMEONE ELSE WROTE FOR

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## CHAPTER 4

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## CHAPTER 5

### FIGURE AND TABLE CHAPTER

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#### 5.1 Figures

The “**figure**” environment should be used for figures. One or more images can be placed within a figure. If your figure contains third-party material, you must clearly identify it as such, as shown in the example below.

Your figures should contain a caption which describes the figure to the reader. Figure captions go below the figure. Your figures should **also** include a description suitable for screen readers, to assist the visually-challenged to better understand your work.

Figure captions are placed *below* the figure.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan



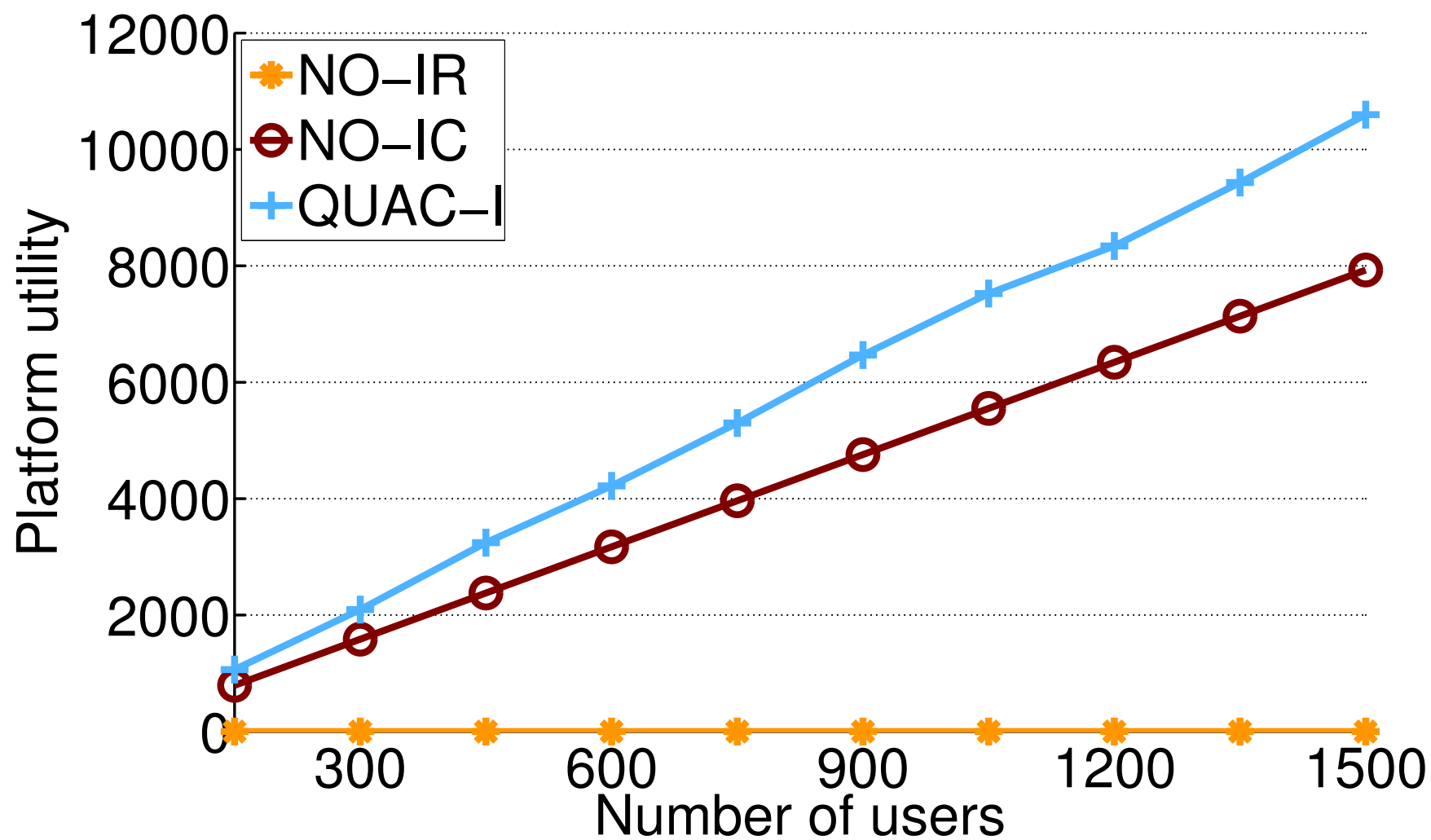
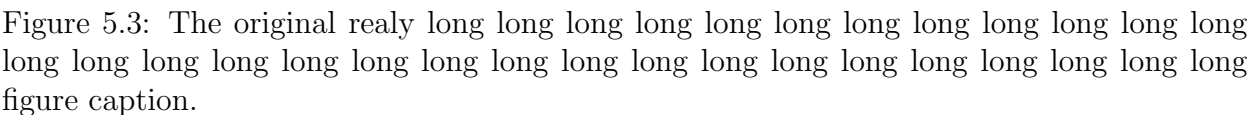


Figure 5.2: Example of a figure in landscape mode.



The “minesthesis” document class includes the “booktabs” package — <https://ctan.org/pkg/booktabs> — for preparing high-quality tables.

Because tables cannot be split across pages, the best placement for them is typically the top of the page nearest their initial cite. To ensure this proper “floating” placement of tables, use the environment **table** to enclose the table’s contents and the table caption. The contents of the table itself must go in the **tabular** environment, to be aligned properly in rows and columns, with the desired horizontal and vertical rules. Again, detailed instructions on **tabular** material are found in the *LaTeX User’s Guide*.

13





Table 5.4: A table in landscape mode, Use `vplace` to place table in the center

Command	A Number	Comments	Command	A Number	Comments	Command	A Number	Comments
<code>\author</code>	100	Author	<code>\author</code>	100	Author	<code>\author</code>	100	Author
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<code>\table*</code>	400	For wider tables	<code>\table*</code>	400	For wider tables	<code>\table*</code>	400	For wider tables
<code>\author</code>	100	Author	<code>\author</code>	100	Author	<code>\author</code>	100	Author
<code>\table</code>	300	For tables	<code>\table</code>	300	For tables	<code>\table</code>	300	For tables
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## CHAPTER 6

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## 6.3 Last section to test Citation

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Lamport et al. Lamport (1994) did something.

Many papers Makuuchi (2000); Yassin et al. (1994) did something.

All papers Makuuchi (2000); Yassin et al. (1994); Goossens et al. (1994); Lamport (1994) did something.

Online link LLC (1999) is about something.

## CHAPTER 7

### LAST LAST CHAPTER

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## APPENDIX A

### SUPPLEMENT DATA

Appendix material is information that is not essential to the text but that contributes to it.

Appendices are used to include information such as the following:

- Original data
- Long quotations
- Supporting legal decisions or laws
- Computer codes and programs
- Lithologic and petrographic descriptions
- Questionnaires
- Forms and documents
- Permissions to use copyrighted material
- Long tables

All Figures and Tables in an Appendix need to be labeled with a number & a caption and need to be listed in either the List of Figures or List of Tables.

You may include long appendices as electronic attachments to your thesis. In either instance, appendices are listed in the table of contents.



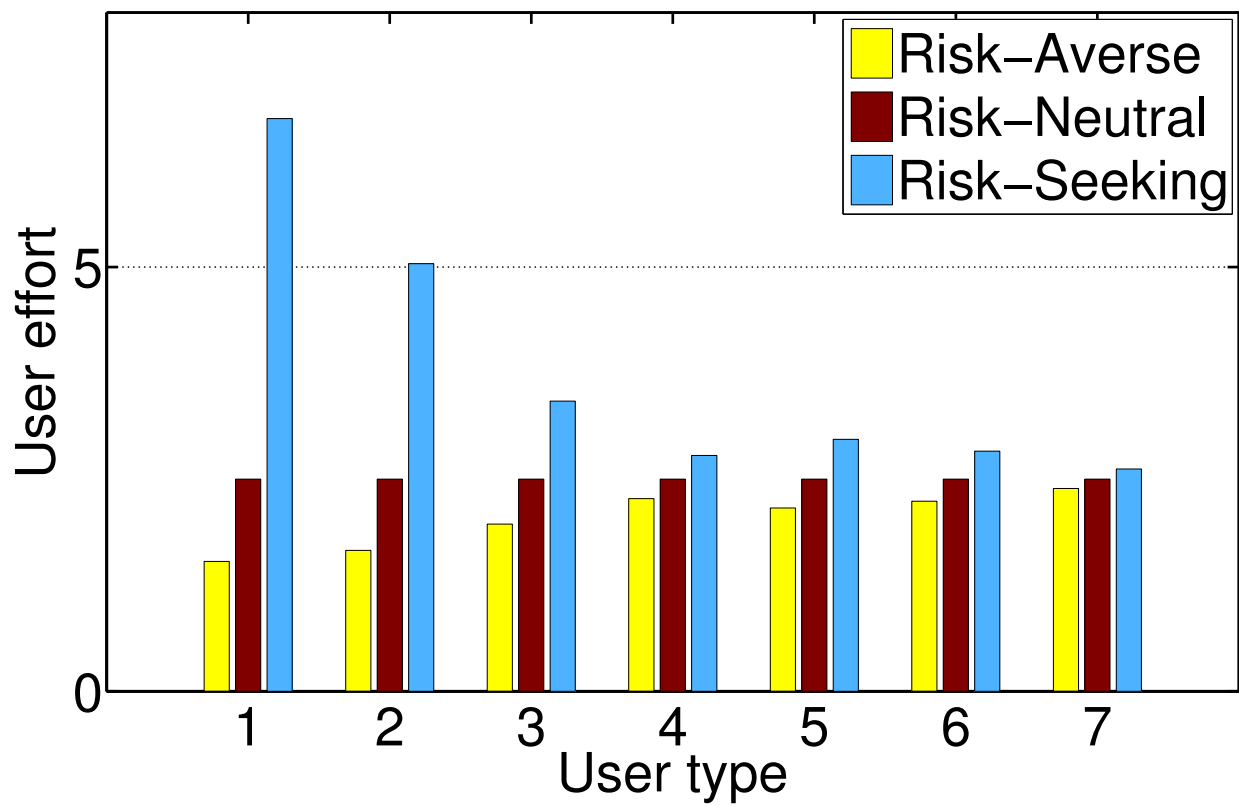


Figure A.1: Example figure in Appendix

## APPENDIX B

### SUPPLEMENTAL ELECTRONIC FILES

The Appendix for the Supplemental Electronic Files should look like the example below. Be sure to include the Appendix in the Table of Contents.

Table B.1: Example Table in Appendix

Non-English or Math	Frequency	Comments
$\emptyset$	1 in 1,000	For Swedish names
$\pi$	1 in 5	Common in math
\$	4 in 5	Used in business
$\Psi_1^2$	1 in 40,000	Unexplained usage