

UTD DISSERTATION

by

John Waczak

APPROVED BY SUPERVISORY COMMITTEE:

---

Austin J. Cunningham, Chair

---

Gopal Gupta

---

Mark Spong

---

Richard Benson

Copyright © 2024

John Waczak

All rights reserved

*This thesis class file is dedicated to my students, who suffered without a proper one until the present time.*

UTD DISSERTATION

by

JOHN WACZAK, BS, MS, PhD

DISSERTATION

Presented to the Faculty of  
The University of Texas at Dallas  
in Partial Fulfillment  
of the Requirements  
for the Degree of

DOCTOR OF PHILOSOPHY IN  
PHYSICS

THE UNIVERSITY OF TEXAS AT DALLAS

May 2024

## ACKNOWLEDGMENTS

The author thanks Amanda Aiuvalasit and Wanda Trotta in the Office of the Graduate Dean for their time proofing sample documents produced by this class file and reexamining various details of the UTD thesis guidelines that arose during its creation.

December 2012

# UTD DISSERTATION

John Waczak, PhD  
The University of Texas at Dallas, 2024

Supervising Professor: Austin J. Cunningham, Chair

This mock dissertation concerns the development and usage of a LaTeX class file that eases the task of creating UTD theses and dissertations. The class file automatically creates margins, page headers and footers, page numbers, paragraph parameters, title pages, and table/figure captions consistent with the guidelines set forth by the UTD graduate school. In contrast to many prior works, care has been taken to respect relevant LaTeX coding conventions and standards. This helps to maximize compatibility with other LaTeX packages, and eases the incorporation of existing publication texts into a dissertation master document.

## TABLE OF CONTENTS

ACKNOWLEDGMENTS . . . . .	v
ABSTRACT . . . . .	vi
LIST OF FIGURES . . . . .	viii
LIST OF TABLES . . . . .	ix
PREFACE . . . . .	2
Preface . . . . .	2
CHAPTER 1 INTRODUCTION . . . . .	3
CHAPTER 2 SUMMARY . . . . .	4
Appendices . . . . .	5
APPENDIX A ADDITIONAL STUFF . . . . .	5
BIOGRAPHICAL SKETCH . . . . .	6
CURRICULUM VITAE . . . . .	

## LIST OF FIGURES



## LIST OF TABLES

## TABLE OF CONTENTS

## PREFACE

This is a Quarto book.

To learn more about Quarto books visit <https://quarto.org/docs/books>.

# CHAPTER 1

## INTRODUCTION

This is a book created from markdown and executable code.

See Knuth (1984) for additional discussion of literate programming.

## **CHAPTER 2**

### **SUMMARY**

In summary, this book has no content whatsoever.

## APPENDIX A

### ADDITIONAL STUFF

You might put some computer output here, or maybe additional tables. It is possible to have multiple appendices. Just list them in the appropriate place within `_quarto.yml`.

Knuth, Donald E. 1984. “Literate Programming.” *Comput. J.* 27 (2): 97–111. <https://doi.org/10.1093/comjnl/27.2.97>.

## BIOGRAPHICAL SKETCH

Kevin W. Hamlen began learning the basics of LaTeX in the Fall of 2000 in order to publish computer science journal articles as part of his PhD candidacy at Cornell University. By the completion of his degree in 2006, he had written thousands of lines of TeX code. After completing his PhD, Dr. Hamlen joined the faculty of the Computer Science Department at The University of Texas at Dallas, and graduated his first two PhD students (Micah Jones and Sunitha Ramanujam) in 2011. By the graduation of his third student (Richard Wartell) in 2012, he had concluded that a properly crafted LaTeX class file for UTD theses was badly needed to streamline future dissertation preparations. He therefore created this one in December 2012.

## CURRICULUM VITAE