

The Pennsylvania State University
The Graduate School
Eberly College of Science

A NEW THEORY THAT WILL MAKE ME FAMOUS

A Thesis in
Physics
by
John Q. Doe

© 2008 John Q. Doe

Submitted in Partial Fulfillment
of the Requirements
for the Degree of

Doctor of Philosophy

May 2008

© Copyright 2008
by
John Q. Doe
All Rights Reserved

We approve the thesis of John Q. Doe.

Date of Signature

Albert Einstein
Associate Professor of Physics
Thesis Adviser, Chair of Committee

Leonhard Euler
Assistant Professor of Mathematics

Rene Descartes
Professor of Mathematics

Isaac Newton
Professor of Mathematics

Leonardo DaVinci
Professor of Physics
Head of the Department of Physics

The thesis of John Q. Doe was reviewed and approved* by the following:

Albert Einstein
Associate Professor of Physics
Thesis Adviser, Chair of Committee

Leonhard Euler
Assistant Professor of Mathematics

Rene Descartes
Professor of Mathematics

Isaac Newton
Professor of Mathematics

Leonardo DaVinci
Professor of Physics
Head of the Department of Physics

*Signatures are on file in the Graduate School.

Abstract

This thesis will no doubt be famous considering my committee.

Contents

List of Figures	v
List of Tables	vi
List of Symbols	vii
Dedication	viii
Preface	ix
Acknowledgments	x
1 Basic Considerations	1
2 Advanced Considerations	4
Bibliography	4
Appendix There Can Be Only One	8

List of Figures

1.1	Sample figure in Chapter 1	2
1.2	Second sample figure in Chapter 1	3
2.1	Sample figure in Chapter 2	5
2.2	Second sample figure in Chapter 2	6
A.1	Sample figure in the appendix	9
A.2	Second sample figure in the appendix	10

List of Tables

1.1	Sample table in Chapter 1	1
1.2	Second sample table in Chapter 1	2
2.1	Sample table in Chapter 2	4
2.2	Second sample table in Chapter 2	5
A.1	Sample table in Appendix	8

List of Symbols

c	Speed of light in a vacuum
e	Euler Number
g	Acceleration due to gravity. According to legend, one of my readers had discovered gravity because an apple fell on his head. Of course this is only shown to illustrate that multi-line variable descriptions remain in the description column.
M_e	Mass of Earth
G	Universal gravitation constant. Following symbols will have different column widths.
$()'$	First derivative of a quantity. Notice that the columns have moved and since the minipage environment is used, the description is wrapped to the new column width. This might be used if both single character and longer definitions such as integral expressions, are used in the list of symbols.
$()''$	Second derivative of a quantity

Dedication

This thesis is dedicated to my wife Mrs. Doe.

Preface

This is the preface

Acknowledgments

I would like to thank H.G. Wells for lending me his time machine so my committee could be present even though they lived over a span of hundreds of years.

This is the Epigraph

Insert Picture Here for Frontispiece

Chapter 1

Basic Considerations

This is a sample masters thesis. It has two skeleton chapters and two appendices with simple figures and tables so that the lists and tables are populated. There is no bibliography information.

The body of the thesis would go here. Note that the placement of figures and amount of figures and text per page is controlled by the L^AT_EX commands: `\floatpagefraction`, `\topfraction`, `\bottomfraction`, and

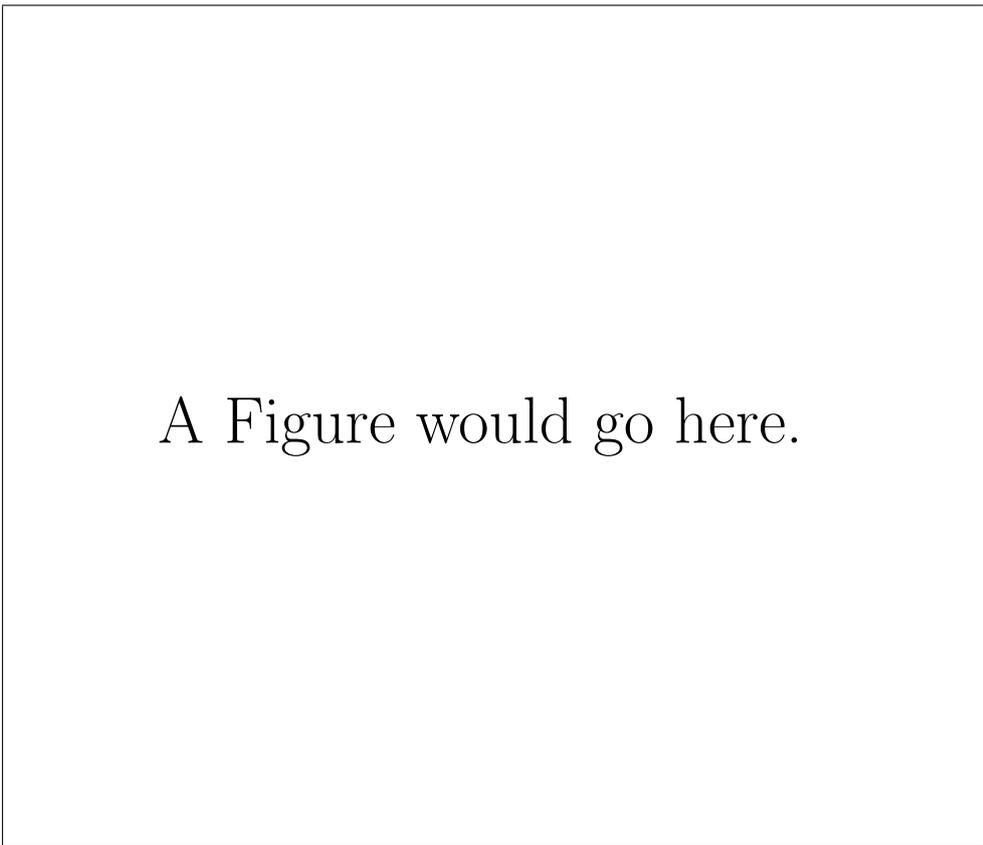
Table 1.1: Sample table in Chapter 1

Column 1, line 1	Column 2, line 1
Column 1, line 2	Column 2, line 2
Column 1, line 3	Column 2, line 3
Column 1, line 4	Column 2, line 4

Table 1.2: Second sample table in Chapter 1

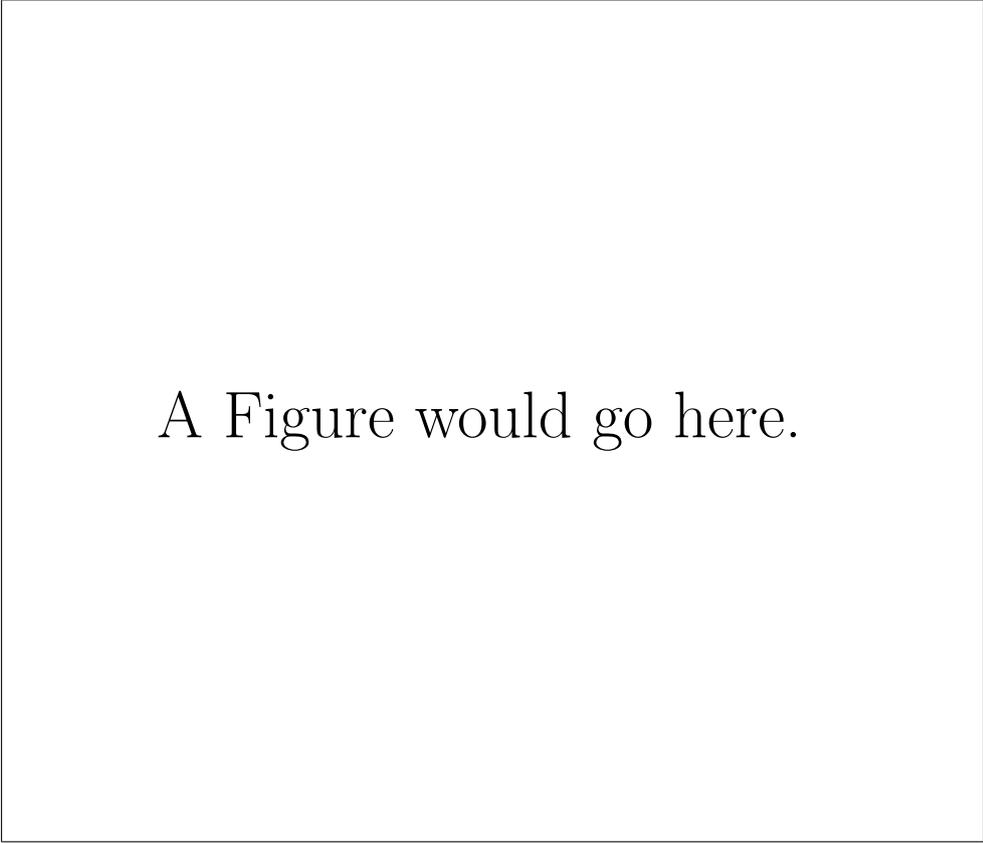
Column 1, line 1	Column 2, line 1
Column 1, line 2	Column 2, line 2
Column 1, line 3	Column 2, line 3
Column 1, line 4	Column 2, line 4

Figure 1.1: Sample figure in Chapter 1



A Figure would go here.

Figure 1.2: Second sample figure in Chapter 1



A Figure would go here.

Chapter 2

Advanced Considerations

A second chapter is included to illustrate the `\numberbychapter` feature, which numbers tables and figures by the chapter number.

Table 2.1: Sample table in Chapter 2

Column 1, line 1	Column 2, line 1
Column 1, line 2	Column 2, line 2
Column 1, line 3	Column 2, line 3
Column 1, line 4	Column 2, line 4

Figure 2.1: Sample figure in Chapter 2

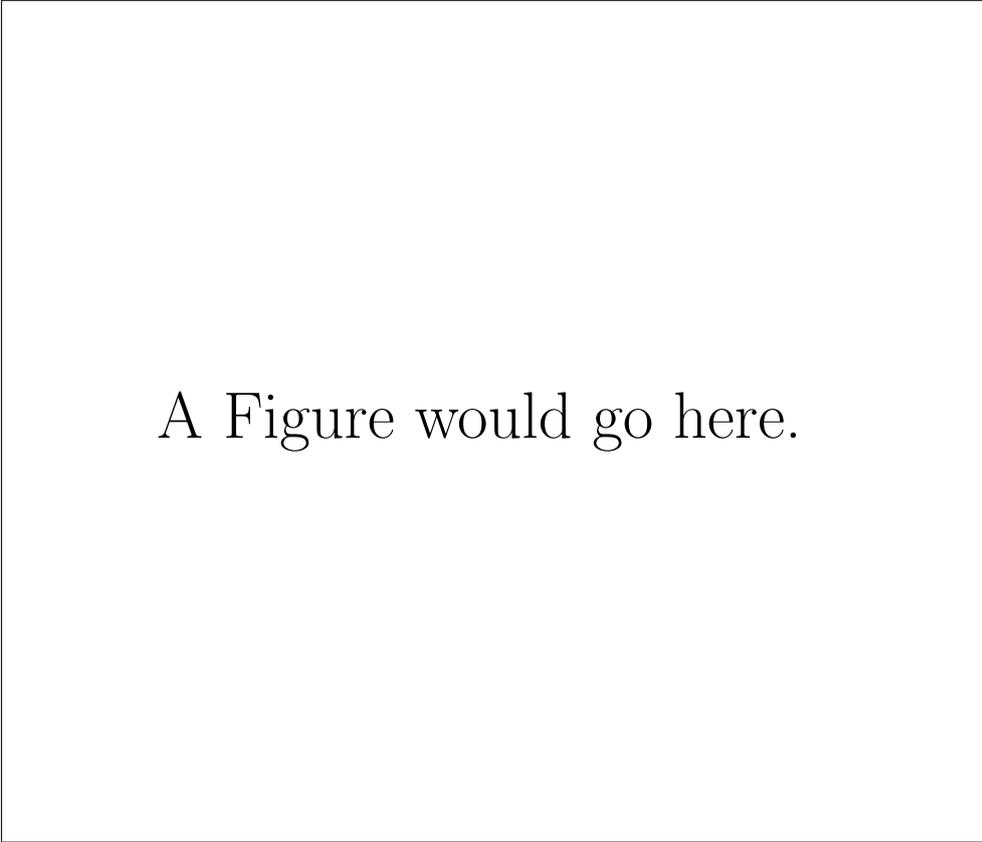
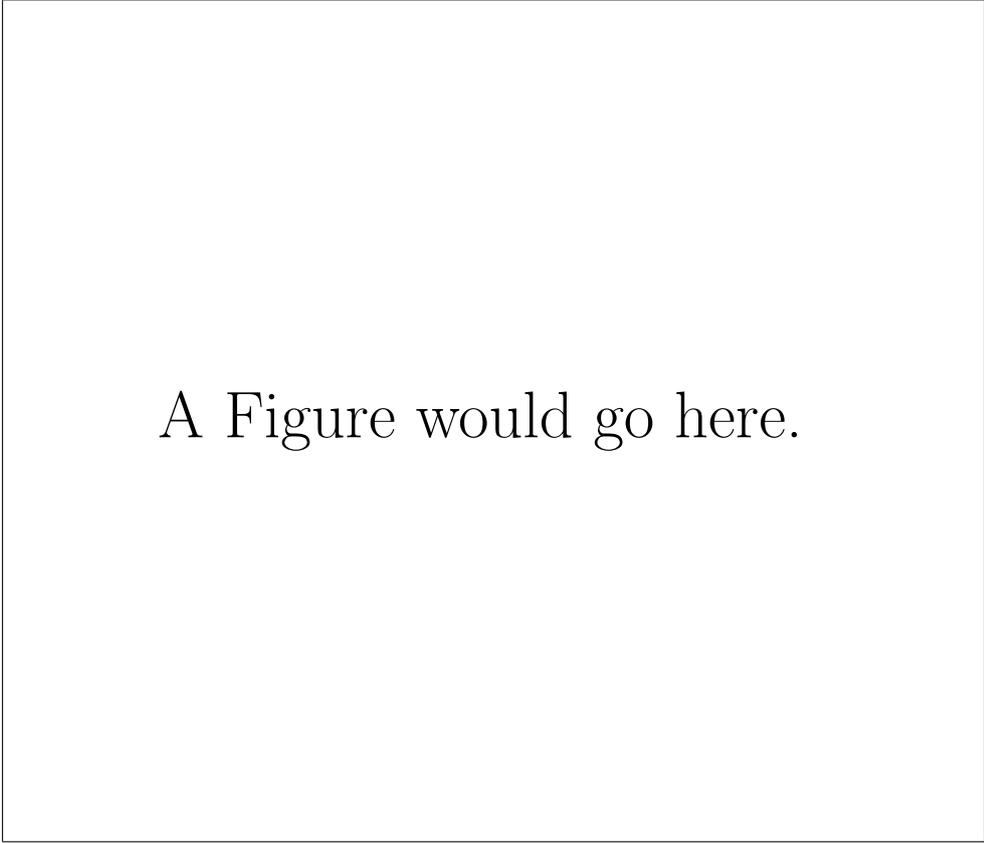


Table 2.2: Second sample table in Chapter 2

Column 1, line 1	Column 2, line 1
Column 1, line 2	Column 2, line 2
Column 1, line 3	Column 2, line 3
Column 1, line 4	Column 2, line 4

Figure 2.2: Second sample figure in Chapter 2



A Figure would go here.

Bibliography

The bibliography would go here. It will not appear in the table of contents by default. The *includebibliography* command adds to the table of contents and formats as single space. The built in L^AT_EX bibliography features can be used inside and are automatically single spaced.

Appendix

There Can Be Only One

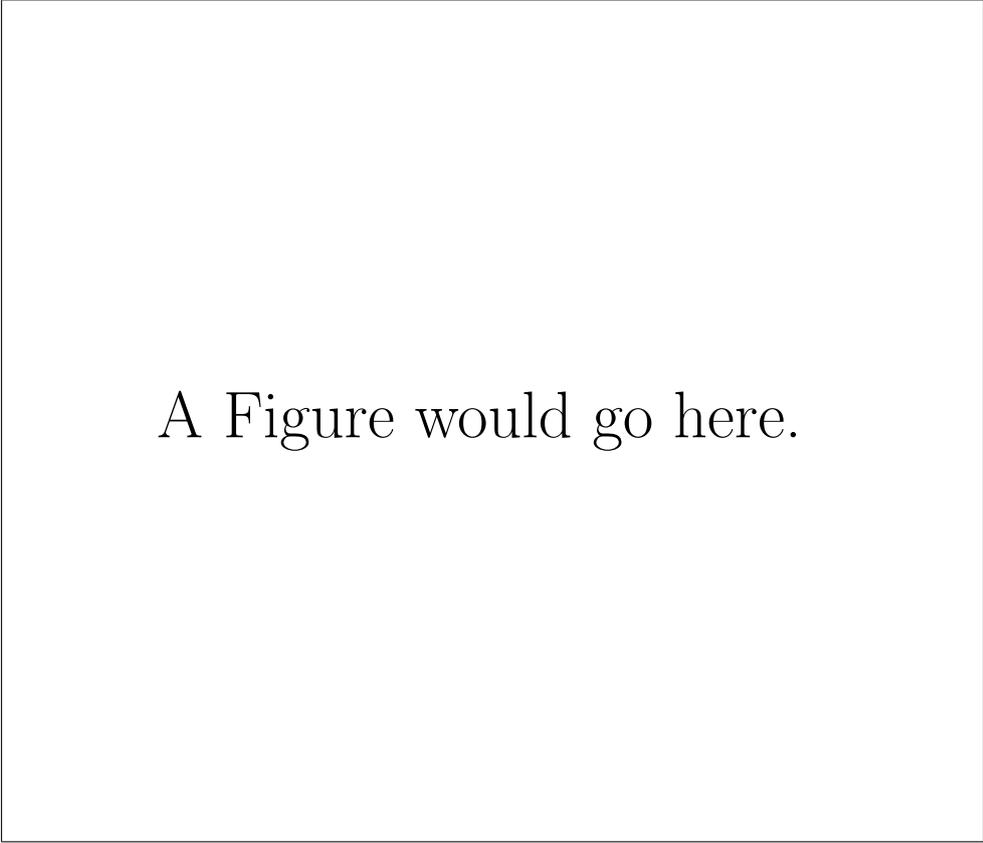
A single appendix goes here. The style file changes the chapter title to "Appendix" rather than "Appendix A" per the thesis guidelines. The MS example has multiple appendices for illustration.

A specific `\chapter` declaration is required to specify the title of the appendix. In that respect, it behaves like any other chapter and the `\singleappendix` command merely reformats so it is not called "Appendix A"

Table A.1: Sample table in Appendix

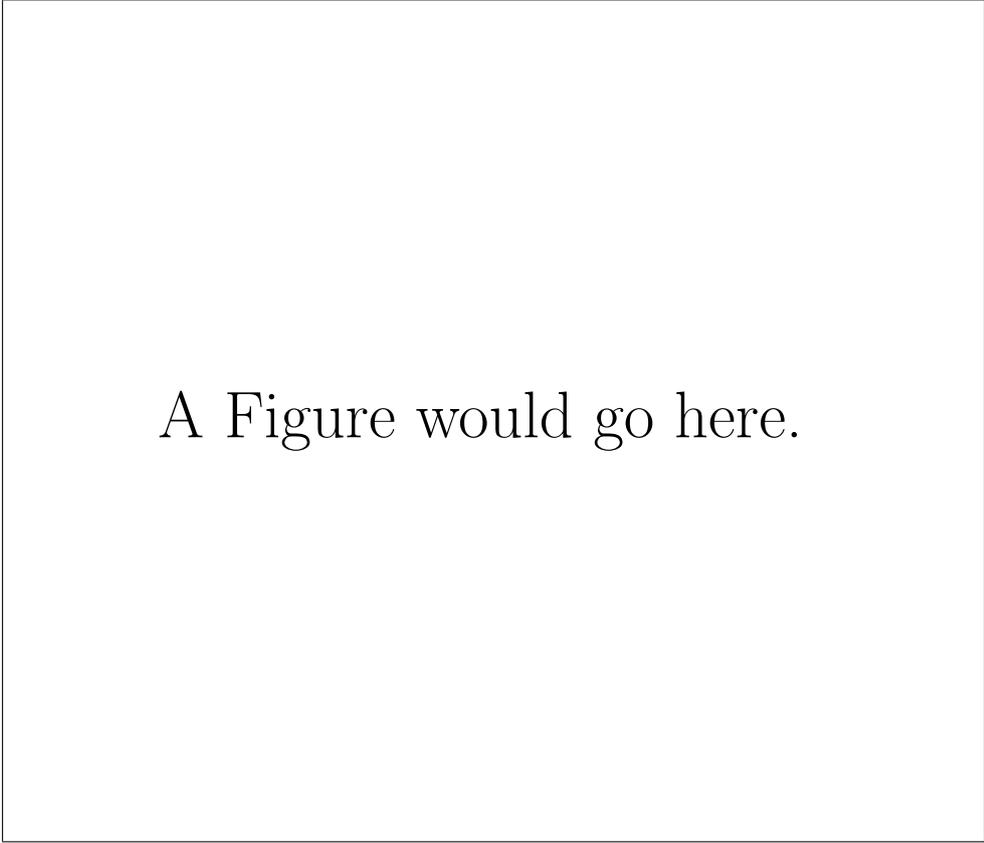
Column 1, line 1	Column 2, line 1
Column 1, line 2	Column 2, line 2
Column 1, line 3	Column 2, line 3
Column 1, line 4	Column 2, line 4

Figure A.1: Sample figure in the appendix



A Figure would go here.

Figure A.2: Second sample figure in the appendix



A Figure would go here.

Vita

John Q. Doe

The vita (or *Curriculum vitae* for Latin enthusiasts) goes here. There are no special formatting commands for the vita.

Abstract

A NEW THEORY THAT WILL MAKE ME FAMOUS

John Q. Doe

Doctor of Philosophy; May 2008

The Pennsylvania State University

Albert Einstein; Thesis Adviser

The UMI abstract goes here. There are no special formatting commands for the UMI abstract, and it may be the same as the regular abstract at the beginning. The above information is taken from the frontmatter information and formatted automatically.

Note that the UMI abstract is not bound with the thesis and hence has no page number. It is printed at the end as a convenience. By default it is spaced the same as the thesis but can be made a different spacing if desired. But for some reason it complains if the abstract is not a single paragraph.