Place the Title of Your Thesis Here

by

FirstName LastName

A thesis submitted to the Faculty of Graduate and Postdoctoral Affairs
in partial fulfillment of the requirements for the degree of

Master of Applied Science

in

Electrical and Computer Engineering

Carleton University
Ottawa, Ontario, Canada

Abstract

Each thesis must contain an abstract. The abstract should be a synopsis providing the essential topics and conclusions of the thesis. The abstract should be inserted immediately before any acknowledgments and the table of contents. Abstracts must not exceed 150 words (master's) and 350 words (doctoral).

An abstract should be short and to the point.

Acknowledgments

I would like to acknowldege ....

Table of Contents

List of Tables

List of Figures

List of Acronyms

Acronyms	Definition
BIBO	Bounded-In Bounded-Out
CAD	Computer Aided Design
CPU	Central Processing Unit
DAE	Differential-Algebraic Equation
EIG	Eigenvalue (diagonal) Decomposition
EM	Electro-Magnetic
FD	Frequency Domain
gPC	generalized Polynomial Chaos
HSV	Hankel Singular Value
IC	Integrated Circuit
I/O	Input-Output
KCL	Kirchoff's Current Law
KVL	Kirchoff's Voltage Law

List of Symbols

Symbols	Definition
$\mathbb{N}$	The field of natural numbers
$\mathbb{R}$	The field of real numbers
$\mathbb{C}$	The field of complex numbers, *e.g.:* s-plane
$\mathbb{R}^{n\times m}$	The set of real matrices of size n $\times$ m
$\mathbb{C}^{n\times m}$	The set of complex matrices of size n $\times$ m
$\mathcal{C}^n$	n differentiable (n-smooth)
$\overline{a}$ or a^*	The complex conjugate of a complex number $a \in \mathbb{C}$
$\mathbf{A}^{\mathrm{H}}$	The complex conjugate of complex matrix $\mathbf{A} = [a_{ij}]$ defined as: $\overline{\mathbf{A}}^{\intercal} = [\overline{a}_{ji}]$
$\mathbf{A}^{\intercal}$	The transpose of matrix $\mathbf{A}$

Chapter 1

Introduction

1.1 First Section

First paragraph [1].

Second paragraph. Sample reference to Fig. 3. Just some extra text to see how the text wrapping looks in a compiled pdf document.

Just some extra text to see how the text wrapping looks in a compiled pdf document. Just some extra text to see how the text wrapping looks in a compiled pdf document. Just some extra text to see how the text wrapping looks in a compiled pdf document. Just some extra text to see how the text wrapping looks in a compiled pdf

Figure 1: Sample of a single image.

document. Just some extra text to see how the text wrapping looks in a compiled pdf document.

1. item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1
2. item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2
3. item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3

1. item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1 item1
2. item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2 item2
3. item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3 item3

1. One
2. Two
3. Three
    (a) test
    (b) best

- A
- B
- C

Just some extra text to see how the text wrapping looks in a compiled pdf document. Just some extra text to see how the text wrapping looks in a compiled pdf document. Just some extra text to see how the text wrapping looks in a compiled pdf

(a) Case I (b) Case II

Figure 2: Samble side-by-side subfigures

(a) Case I (b) Case II

Figure 3: Samble above-below subfigures

document. Just some extra text to see how the text wrapping looks in a compiled pdf document.

Just some extra text to see how the text wrapping looks in a compiled pdf document. Just some extra text to see how the text wrapping looks in a compiled pdf document.

1.2 Section Demonstrating Tables

First paragraph. This is a sample reference to Table 3.

New paragraph.

Table 3: Sample table. With an extra long caption to test how captions will wrap.

Label 1	Label 2	Label 3
value 1	x_1	y_1
value 2	x_2	y_2
value 3	x_3	y_3

$$F = Ma \tag{1}$$

Paragraph referencing an (1).

Chapter 2

The Beginning of the Details

2.1 Section Heading

Sample section text.

New paragraph.

2.1.1 Sub-Section Heading

Sample text.

new paragraph.

Sub-Sub-Section Heading

Sample text.

Sorry no details available [2, 3].

List of References

[1] J. Doe, *A Book About Nothing*. New York: John Wiley and Sons, 1973.

[2] W. Smith and H. Johnson, "A title of an article," *Journal of Applied Stuff*, vol. 17, pp. 735–744, 1978.

[3] J. Doe and W. Smith, "A conference paper," in *IEEE Conference on Nothing*, 1988, pp. 375–380.

Appendix A

Derivation of Some Nasty Equation

Here is the derivation.