

# **The Title of My Thesis**

A thesis submitted in partial fulfilment of the  
requirements for the award of the degree

**Master of Engineering (Electrical)**

**from**

**University of Wollongong**

**by**

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**School of Electrical, Computer and Telecommunications  
Engineering**

**Monday 17<sup>th</sup> October, 2022**

**Supervisor: Dr Peter Vial**

# Abstract

According to some people, the abstract should be approximately 300 words, and no more than 700 words. It should be an ‘Informative Abstract’.

# Statement of Originality

I, Utkarsh Sethi, declare that this thesis, submitted as part of the requirements for ENGG955, in the School of Electrical, Computer and Telecommunications Engineering, University of Wollongong, is wholly my own work unless otherwise referenced or acknowledged. The document has not been submitted for qualifications or assessment at any other academic institution.

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# Abbreviations and Symbols

$g$	Airgap, mm
$g_e$	Equivalent airgap, mm
$J$	Current Density, amps/metre
$L_R$	Rotor stack length, mm
$N_s$	Number of Slots per Pole Pair
$\theta_m$	Mechanical angle, radians
$\theta, \theta_e$	Electrical angle, radians
$\theta_p$	Pole Arc angle, radians
$p$	Pole pairs
$R$	Stator radius, mm
$\mathfrak{R}_l$	Leakage Reluctance, amps/weber/metre
$\mathfrak{R}$	Reluctance amps/weber
$\mu_o$	Permeability constant, $4\pi \times 10^{-7}$ amps/metre

# Chapter 1

## The First Chapter

This is a newer and tastier version of the ECTE45x thesis style. It is more compact with less space between title and text, equations and text, and the reference list is smaller and more compact.

The first chapter is obviously Chapter number 1. I am now citing [?] and EPRI [?]. BibTeX will take care of the entries for me. Blah blah ... In this case, the bibliography file is expected to be called 'thesis.bib'.

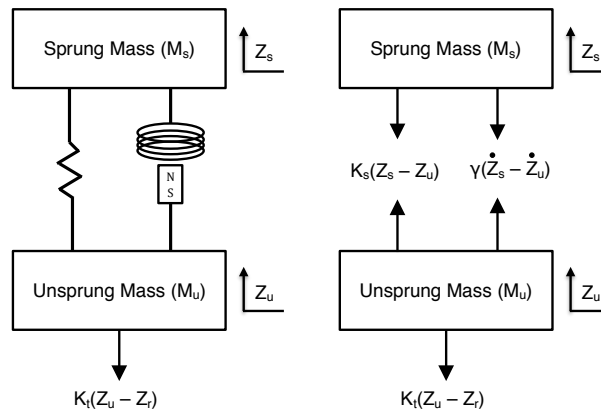
Go on and describe contents of chapter, blah blah blah ...

### 1.1 First Section in Chapter

This is section 1.1.

### 1.2 Another Section in Chapter

Figure 1.1 is an example of a figure containing an image. Blah blah ...



**Figure 1.1:** Caption for the text body. We can make this one really really long in order to describe everything about the figure for which this caption references, noting that the caption for the index really should be much shorter.

#### 1.2.1 First Subsection

This is the first subsection in this report. Notice how the title has been formatted as one would expect. Try doing that with other, inferior products.



**First Subsubsection**

This is the first subsubsection. You wouldn't want to descend much further than this. Subsubsections are not numbered and do not appear in the table of contents.

**1.3 Summary**

Blah blah ...

And now for some handy math hints via equation examples:

$$A = \frac{1}{\sum_{k=1}} \tag{1.1}$$

$$A = n^{\frac{1}{3}} \tag{1.2}$$

$$A = n^{\frac{1}{3}} \max_{k=1} \tag{1.3}$$

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