# Thesis title

Your name

Month Year

A thesis submitted for the degree of Doctor of Philosophy of the Australian National University





# Declaration

The work in this thesis is my own except where otherwise stated.

Your name

# Acknowledgements

# Abstract

In this thesis we will read paers then talk about them

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# Notation and terminology

Some preliminary description here? Eg, "In the following, G is a group, H is a subgroup of  $G, \ldots$ "

#### Notation

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#### Terminology

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### Introduction

Blah blah blah...

The environments below all use the same numbering sequence. See the file definitions.tex if you want to change this.

**Definition 1.1.** A definition.

Notation 1.2. Some notation.

Lemma 1.3. A lemma.

Theorem 1.4. A theorem.

*Proof.* A proof.  $\Box$ 

Corollary 1.5. A corollary.

Proposition 1.6. A proposition.

Example 1.7. An example.

Question 1.8. A question.

Remark 1.9. A remark.

# Serre Equations

Blah blah blah...

The environments below all use the same numbering sequence. See the file definitions.tex if you want to change this.

**Definition 2.1.** A definition.

Notation 2.2. Some notation.

Lemma 2.3. A lemma.

Theorem 2.4. A theorem.

*Proof.* A proof.  $\Box$ 

Corollary 2.5. A corollary.

Proposition 2.6. A proposition.

Example 2.7. An example.

Question 2.8. A question.

Remark 2.9. A remark.

### **Numerical Methods**

Blah blah blah...

The environments below all use the same numbering sequence. See the file definitions.tex if you want to change this.

**Definition 3.1.** A definition.

Notation 3.2. Some notation.

Lemma 3.3. A lemma.

Theorem 3.4. A theorem.

*Proof.* A proof.  $\Box$ 

Corollary 3.5. A corollary.

Proposition 3.6. A proposition.

Example 3.7. An example.

Question 3.8. A question.

Remark 3.9. A remark.

# Analysis of Numerical Methods

Blah blah blah...

The environments below all use the same numbering sequence. See the file definitions.tex if you want to change this.

**Definition 4.1.** A definition.

Notation 4.2. Some notation.

Lemma 4.3. A lemma.

Theorem 4.4. A theorem.

*Proof.* A proof.  $\Box$ 

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Corollary 4.5. A corollary.

Proposition 4.6. A proposition.

Example 4.7. An example.

Question 4.8. A question.

Remark 4.9. A remark.

# **Numerical Method Comparison**

Blah blah blah...

The environments below all use the same numbering sequence. See the file definitions.tex if you want to change this.

**Definition 5.1.** A definition.

Notation 5.2. Some notation.

Lemma 5.3. A lemma.

Theorem 5.4. A theorem.

*Proof.* A proof.  $\Box$ 

Corollary 5.5. A corollary.

Proposition 5.6. A proposition.

Example 5.7. An example.

Question 5.8. A question.

Remark 5.9. A remark.

# **Steep Gradients**

Blah blah blah...

The environments below all use the same numbering sequence. See the file definitions.tex if you want to change this.

**Definition 6.1.** A definition.

Notation 6.2. Some notation.

Lemma 6.3. A lemma.

Theorem 6.4. A theorem.

*Proof.* A proof.  $\Box$ 

Proposition 6.6. A proposition.

Example 6.7. An example.

Corollary 6.5. A corollary.

Question 6.8. A question.

Remark 6.9. A remark.

# **Experimental Comparison**

Blah blah blah...

The environments below all use the same numbering sequence. See the file definitions.tex if you want to change this.

**Definition 7.1.** A definition.

Notation 7.2. Some notation.

Lemma 7.3. A lemma.

Theorem 7.4. A theorem.

*Proof.* A proof.  $\Box$ 

Proposition 7.6. A proposition.

Example 7.7. An example.

Corollary 7.5. A corollary.

Question 7.8. A question.

Remark 7.9. A remark.

# Appendix A Appendix title goes here

Blah blah blah...

Blah blah blah...

# Bibliography

- [1] Entry 1
- [2] Entry 2
- [3] Entry 3
- [4] Entry 4
- [5] Entry 5
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- [7] Entry 7
- [8] Entry 8
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- [10] Entry 10