



**UNIVERSITY OF LEEDS**

**Project Title**

**Your Name**

**Submitted in accordance with the requirements for the degree  
of BSc. Applied Computer Science**

**The University of Leeds**

**Faculty of Engineering**

**School of Computing**

**June 2020**

# Abstract

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

# Intellectual Property

The candidate confirms that the work submitted is his/her own and that appropriate credit has been given where reference has been made to the work of others.

This copy has been supplied on the understanding that it is copyright material and that no quotation from the thesis may be published without proper acknowledgement.

© 2020 The University of Leeds, Your Name

Signed



# Acknowledgements

This research has been carried out by a team which has included (name the individuals). My own contributions, fully and explicitly indicated in the thesis, have been.....(please specify)”  
The other members of the group and their contributions have been as follows: (please specify).

# Abstract

Text of Abstract (maximum 300 words)

# Contents

<b>1 Chapter Heading</b>	<b>1</b>
1.1 Section Heading . . . . .	1
1.1.1 Subsection Heading . . . . .	2
1.1.2 Some maths . . . . .	2
1.1.3 Theorems, proofs, definitions and examples . . . . .	3
1.2 Figures and tables . . . . .	3
1.2.1 Program code . . . . .	3
1.3 Referencing . . . . .	4
<b>2 Another Chapter Heading</b>	<b>6</b>
<b>References</b>	<b>7</b>
<b>A Appendix Chapter</b>	<b>8</b>
A.1 Appendix section . . . . .	8
<b>B Another Appendix Chapter</b>	<b>9</b>

# List of Figures

1.1	This is a figure caption, note how it appears underneath the figure. . . . .	3
-----	--	---

# List of Tables

1.1	This is a table caption, not how it appears above the table. . . . .	3
-----	--	---



# Chapter 1

## Chapter Heading

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

### 1.1 Section Heading

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

### 1.1.1 Subsection Heading

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

### 1.1.2 Some maths

L<sup>A</sup>T<sub>E</sub>X is very good at presenting mathematics.

Inline equation :  $ax^2 + bx + c = 0$

Display equation:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Numbered equation:

$$\frac{\partial}{\partial t} U + \nabla \cdot F = 0 \tag{1.1}$$

Aligned equation (not how equals signs line up):

$$\begin{aligned} \mathbf{a} \cdot \mathbf{b} &= \sum_{i=1}^n a_i b_i \\ &= a_1 b_1 + a_2 b_2 + \cdots + a_n b_n; \end{aligned} \tag{1.2}$$

Aligned equation with no numbers:

$$\begin{aligned} \mathbf{a} \cdot \mathbf{b} &= \sum_{i=1}^n a_i b_i \\ &= a_1 b_1 + a_2 b_2 + \cdots + a_n b_n; \end{aligned}$$

### 1.1.3 Theorems, proofs, definitions and examples

**Theorem 1.1** (Fermat's last theorem). *No three positive integers  $a$ ,  $b$ , and  $c$  satisfy the equation  $a^n + b^n = c^n$  for any integer value of  $n$  greater than 2.*

*Proof.* Left as an exercise for the reader. □

**Definition 1.1.** *The intersection of two sets  $A$  and  $B$ , denoted by  $A \cap B$ , is the set of all objects that are members of both the sets  $A$  and  $B$ .*

#### Example 1.1

Given the two sets  $A = \{x : x \in \mathbb{N}, x < 5\}$  and  $B = \{x : x \in \mathbb{N}, x \text{ is even}\}$  then  $A \cap B = \{2, 4\}$ .

## 1.2 Figures and tables

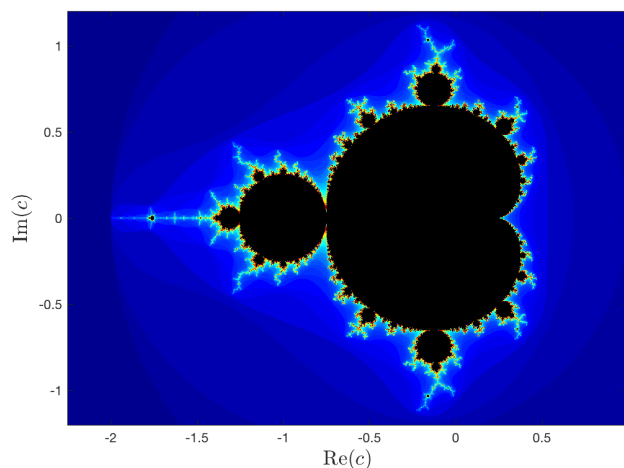


Figure 1.1: This is a figure caption, note how it appears underneath the figure.

Table 1.1: This is a table caption, not how it appears above the table.

first column	second column	third column
This column is left aligned	This column is centrally aligned	This column is right aligned

### 1.2.1 Program code

Listing 1.1: A MATLAB function to compute the first  $n$  numbers of the Fibonacci series

```
function y = fibonacci(n)
% This function calculates the first n terms in the Fibonacci series
y(1) = 0;
y(2) = 1;
for i = 3 : n
    y(i) = y(i-2) + y(i-1)
end
end
```

## 1.3 Referencing

References can be cited so that the author names(s) are a part of the sentence, e.g., Stroud and Booth (2013), Harten et al. (1983)

Alternatively, references can be cited so that the author names appear in the brackets (for when the name of the author is not relevant to the sentence), e.g., (Stroud and Booth 2013), (Harten et al. 1983).

Cross referencing is easily done by using the label of the item you are referencing to (see source code for details).

- Chapter 1
- Section 1.1
- Equation (1.1)
- Table 1.1
- Figure 1.1
- Page 2

Above is an example of a bulleted list. You can also create numbered lists:

1. First list item
2. Second list item
  - (a) First sub list item

(b) Second sub list item

3. Third list item

## Chapter 2

# Another Chapter Heading

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

# References

Harten, A., Lax, P.D., and van Leer, B. (1983). “On upstream differencing and Godunov-type schemes for hyperbolic conservation laws”. In: *SIAM review* 25.1, pp. 35–61.

Stroud, K.A. and Booth, D.J. (2013). *Engineering mathematics*. Macmillan International Higher Education.

# Appendix A

## Appendix Chapter

### A.1 Appendix section

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.



## Appendix B

# Another Appendix Chapter

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.