



The University of Hong Kong  
Faculty of Engineering  
Department of Computer Science

COMP7704

Dissertation Title  
XXXXX

Submitted in partial fulfillment of the requirements for the admission to  
the degree of Master of Science in Computer Science

By  
XXX  
UID: XXX

Supervisor: Prof. XXXX  
Date of submission: 01/04/2024

Abstract of thesis entitled

**XXXX**

Submitted by

**Lei XIA**

for the degree of Master of Science

at The University of Hong Kong

in April, 2024

Put Your *Abstract* Here ...

This latex project is a doctoral thesis template for the University of Hong Kong. The style and design of the entire project closely follow the official guidelines from the Graduate School: **Preparing and Submitting Your Thesis — A Guide for MPhil and PhD Students**. Generally, there is no strict stipulations on the style or format of different components of the thesis, except for the **Abstract**. According to the detailed regulations [[Link](#)], the **Abstract** should be part of the thesis with no fewer than 200 and no more than 500 words. The format shall be the same as that of the thesis itself. The front page of each abstract shall contain the statement which includes:

- Abstract of thesis entitled “.....”
- Submitted by .....
- for the degree of .....
- at the University of Hong Kong in (April 8, 2024).

In addition to the opening of abstract, the abstract should appear before the title page. The abstract in this template is not numbered, or counted in the pagination of the front matter, or listed in the table of contents. All the requirements are fulfilled in this template.

# Declaration

I, Lei XIA, declare that this dissertation titled, “XXXX”, which is submitted in fulfillment of the requirements for the Degree of Master of Science, represents my own work except where due acknowledgement have been made. I further declared that it has not been previously included in a thesis, dissertation, or report submitted to this University or to any other institution for a degree, diploma or other qualifications.

*Author Name*

Signed: \_\_\_\_\_

Date: April 8, 2024

# *Acknowledgements*

I would like to thank...

Lei XIA  
University of Hong Kong  
April 8, 2024

# Contents

<b>Abstract</b>	<b>i</b>
<b>Declaration</b>	<b>i</b>
<b>Acknowledgements</b>	<b>ii</b>
<b>List of Figures</b>	<b>iv</b>
<b>List of Tables</b>	<b>v</b>
<b>1 Introduction</b>	<b>1</b>
1.1 General Information . . . . .	1
1.2 General Requirements of Graduate School . . . . .	1
1.2.1 Page Margin . . . . .	1
1.2.2 Font, Alignment, Line Spacing . . . . .	2
1.2.3 Contents . . . . .	2
<b>2 Guidelines on Adjustments</b>	<b>4</b>
2.1 Title Page . . . . .	4
2.2 Dedication . . . . .	4
2.3 Epigraph . . . . .	5
2.4 Declarations . . . . .	5
2.5 Acknowledgements . . . . .	5
2.6 Table of Contents . . . . .	5
2.7 List of Tables, Figures and Algorithms, etc . . . . .	6
<b>A Appendix</b>	<b>7</b>
<b>B Appendix Title Here</b>	<b>8</b>
<b>C Appendix Title Here</b>	<b>9</b>
<b>Bibliography</b>	<b>10</b>

# List of Figures

1.1	Requirements of the thesis format in the Graduate School 13 <sup>th</sup> edition booklet at Page 9. . . . .	2
2.1	An example dedication page. . . . .	4
2.2	An example of how to add chapter to the Table of Contents. . . . .	5
2.3	Light transformation model in a plenoptic camera. Within a plenoptic camera, a micro-lens array has been placed at the image plane, which further splits the incoming light rays from different directions and records them separately. Therefore, the multi-view information can be extracted from each light field image captured by a single shot. . . . .	6
2.4	Light transformation model (focused on the plane). . . . .	6

# List of Tables

1.1	Checking list indicating the contents should be included in the thesis. . .	2
-----	---	---



# 1 Introduction

## 1.1 General Information

This template is for MPhil/Doctor students of University of Hong Kong to prepare their theses. The entire project strictly follows the requirements of booklet provided by Graduate School of the University of Hong Kong. The current version of this template is prepared according to the 13<sup>th</sup> edition of the booklet entitled “**Preparing and Submitting Your Thesis — A Guide for MPhil and PhD Students.**” This edition is updated in **July 2019**. Considering the university may change the stipulations over time, this template also provides the guidelines to adjust the typeset. The current version of the template has been tested by the author(s) [1] and has been successfully accepted by the Engineering Faculty. However, users should also notice that this is not an official template, and we are not responsible for any problems of your thesis preparation and submission caused by using this template. For anyone who would like to use this template, you have to be responsible for your thesis and you are supposed to carefully read and follow the rules in the latest edition of the university booklet to prepare your thesis. In the rest of the template, we will demonstrate how to use, change, or adjust this template.

## 1.2 General Requirements of Graduate School

According to the 13<sup>th</sup> edition booklet, “The Thesis Format” section, the thesis submitted for examination shall be typewritten or printed on one side or both sides of International size A4 paper, with a margin of not less than 35mm on both right and left-hand edges of each page (as shown in Fig. 1.1).

### 1.2.1 Page Margin

The format of page size and margin is defined in “main.tex” file **Line 63-71**. The page margin of the current version template is Left: 35mm, Right: 36mm (a4paper). Users can change the page margin by adjusting the corresponding settings. There is no stipulation for the top and bottom margins, but the booklet recommend that both of them should be 25mm, which is adopted in this template.

## The Thesis Format

The University stipulates that:

*The thesis submitted for examination shall be typewritten or printed on one side or both sides of International size A4 paper (except for drawings, maps or tables on which no restriction is placed), with a margin of not less than 35mm on both right and left-hand edges of each page.*

*Regulations Governing the Format, Binding and Presentation  
of Theses for Higher Degrees by Research*

**Figure 1.1:** Requirements of the thesis format in the Graduate School 13<sup>th</sup> edition booklet at Page 9.

### 1.2.2 Font, Alignment, Line Spacing

Ordinarily, there is no restrict stipulation for the font family, font size, alignment, and line spacing. All of these are a matter of personal preference. This template uses *10pt* font size, *Fully Justified* alignment style and *One and A Half* line spacing. Users can adjust the settings in **Line 19-33** of the “main.tex” file to change the typeset.

### 1.2.3 Contents

The contents of this template can be subdivided into three parts — the front matter, the text and the back matter, which strictly follows the stipulations of the official booklet (Page 17). Table 1.1 indicates the what contents are required in the submitted thesis and what contents are optional. The column “Required” denotes that

**Table 1.1:** Checking list indicating the contents should be included in the thesis.

The Front Matter	Required	Include ✓
Abstract	Yes	✓
Title Page	Yes	✓
Frontispiece		
Dedication		✓
Epigraph		
Declarations	Yes	✓
Acknowledgements		✓
Table of Contents	Yes	✓
List of Illustrations		

List of Figures		✓
List of Tables		✓
List of Algorithm		✓
List of Abbreviations		✓
List of Symbols		✓
Others		
<b>The Text</b>	Yes	✓
<b>The Reference or Back Matter</b>	—	—
Glossary		
Appendices		
Notes		
Bibliography or Reference List	Yes	✓
Index		

This template support most of the contents listed in the figure, including the “Abstract”, “Title Page”, “Declarations”, “Acknowledgements”, “List of Publications”, “Contents”, “List of Figures”, “List of Tables”, “List of Algorithms”, “List of Abbreviations”, “List of Symbols”, “Main Text”, “Appendices”, and “Bibliography”. Each part is defined in an independent tex file and the “main.tex” file combines all the different parts to form the entire thesis. Therefore, users can easily make the changes by adjusting the corresponding document files.

In addition to the stipulations of the booklet, this template also provides a beautiful **cover page**, which is the first two pages of this project. The cover page is **not required** by the Graduate School and you’d better remove the cover page when bounding your thesis for submission.

## 2 Guidelines on Adjustments

This chapter demonstrates how to make changes and DIY the thesis style when using this template. For each component of the thesis, we provide both

### 2.1 Title Page

**Title Page** is designed to obviously bear the title of the thesis and the author's name. Users can add any degrees or professional qualifications that he/she holds as well as the author's name in the national script. Both the title and the author's name are highlighted in bold style. Given that there may also be an oral and/or written examination, and thus this template uses the following form of words:

A thesis submitted in partial fulfilment of the requirements for the degree of  
Doctor (or Master) of Philosophy at The University of Hong Kong.

The title page is not numbered, or counted in the pagination of the front matter, or listed in the table of contents. The document for title page is quite simple, which can be found in the path `Titlepage/titlepage.tex`.

### 2.2 Dedication

**Dedication** is a place to show your wish to dedicate the thesis to friends, family or loved ones. This template uses a single page example for dedication, as shown in Fig. 2.1. This page is not numbered, or counted in the pagination of the front matter, or listed in the table of contents.



*For Mama and Papa*

**Figure 2.1:** An example dedication page.

## 2.3 Epigraph

**Epigraph** is a relevant quotation on the subject of the thesis, or some general guidelines or philosophical principles. Ordinarily, the author and source of the quotation should also be given. This page is not included in the template and users can add the epigraph page according to their willingness.

## 2.4 Declarations

**Declarations** page is a required item according to the official booklet. The contents of declaration are in terms of the official sample (*Sample Page 6* on page 41 of the booklet) with some minor changes to specify the author's name and thesis title.

## 2.5 Acknowledgements

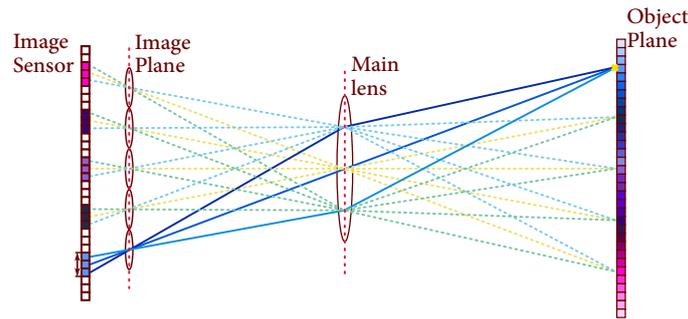
**Acknowledgements** is the place where the author thanks mentors, labmates, colleagues, friends, family members and also the financial support from scholarships and research grants. Each page of the acknowledgements is numbered in lower case Roman numerals

## 2.6 Table of Contents

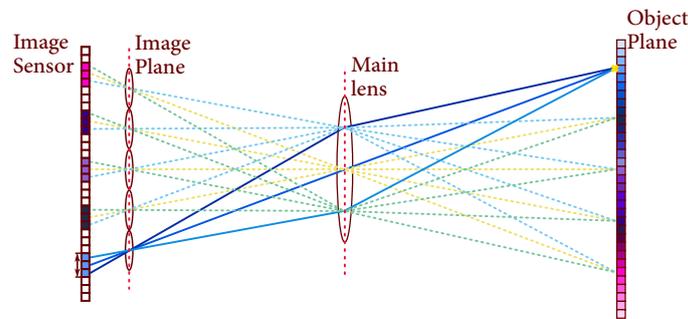
**Table of Contents** in this template is simply headed “Contents” which lists all the parts of the thesis and the page on which they commence. Each of the chapters, sections and subsections are included in the list. The capitalization and wording of the titles listed in the table exactly agree with the corresponding ones appear in the body text. If users would like to include some optional pages in the Table of Contents, such as the Frontispiece page or Epigraph page, they can simply add a command `\addchaptertocentry{\pagenam` at the corresponding page. For example, your can add the *Abstract* item to the Table of Contents, by adding the command to the file `Abstract/abstract.tex`, as shown in Fig. 2.2.

```
1 \begin{abstract}
2 \addchaptertocentry{\abstractname} % Add the abstract to
  the table of contents
3 Put Your \emph{Abstract} Here ...
```

**Figure 2.2:** An example of how to add chapter to the Table of Contents.



**Figure 2.3:** Light transformation model in a plenoptic camera. Within a plenoptic camera, a micro-lens array has been placed at the image plane, which further splits the incoming light rays from different directions and records them separately. Therefore, the multi-view information can be extracted from each light field image captured by a single shot.



**Figure 2.4:** Light transformation model in a plenoptic camera. Within a plenoptic camera, a micro-lens array has been placed at the image plane, which further splits the incoming light rays from different directions and records them separately. Therefore, the multi-view information can be extracted from each light field image captured by a single shot.

## 2.7 List of Tables, Figures and Algorithms, etc

Following the Table of Contents, the template includes the lists of tables, figures and algorithms, abbreviations and symbols. The numbering, capitalisation and wording of the titles of every items listed agree exactly with the manner in which they appear in the body text. For the illustration with a long title, users can also provide a “nickname” of the illustration by enclosing the it in the square brackets. For example, Fig. 2.3 and Fig. 2.4 have the same image captions in the body text, but the wordings appear in the Table of Contents are different. Fig. 2.4 uses the wordings in the square brackets as its caption, as shown at page vii.

# A Appendix

The appendix is usually used to provide some supplementary materials for the publications. For example, some experimental results, network architecture, detailed experimental settings or proving of the theories. You can have more than one appendices to provide the materials for different uses.

## **B Appendix Title Here**

Write your Appendix content here.

# **C Appendix Title Here**

Write your Appendix content here.

## Bibliography

- [1] M. Abadi, P. Barham, J. Chen, Z. Chen, A. Davis, J. Dean, M. Devin, S. Ghemawat, G. Irving, M. Isard, M. Kudlur, J. Levenberg, R. Monga, S. Moore, D. G. Murray, B. Steiner, P. Tucker, V. Vasudevan, P. Warden, M. Wicke, Y. Yu, and X. Zheng. “TensorFlow: A System for Large-Scale Machine Learning”. In: *The 12th USENIX Symposium on Operating Systems Design and Implementation*. Savannah, GA, 2016, pp. 265–283. ISBN: 978-1-931971-33-1.