

國立成功大學

資訊工程研究所

博士論文

(初稿)

國立成功大學碩博士用畢業論文 LaTeX 模版

National Cheng Kung University (NCKU)  
Thesis/Dissertation Template in LaTeX

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中華民國 103 年 12 月 31 日

# 國立成功大學 博士論文

國立成功大學碩博士用畢業論文 LaTeX 模版  
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中 華 民 國      103      年      12      月      31      日

National Cheng Kung University (NCKU)  
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by

Your name

Submitted in partial fulfillment of the requirements  
for the degree of Doctor of Philosophy in Institute of Computer  
Science and Information Engineering  
College of Electrical Engineering and Computer Science  
National Cheng Kung University  
Taiwan, Taiwan, R.O.C.

31 December 2014

Approved by:



_____	_____
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## 摘要

除了外籍生，本地生和僑生都是要編寫中文和英文摘要。論文以中文撰寫須以英文補寫 800 至 1200 字數的英文延伸摘要 (Extended Abstract)，如需要的話請修改 ‘./context/abstract/extended.tex’。

外籍生則可免填中文摘要，而在上傳時網頁資訊需填上 ‘NONE’。

**關鍵字：**國立成功大學畢業論文模版, 碩博士, LaTeX/XeLaTeX



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**Thesis/Dissertation Template in LaTeX**

Your name

Dr. A

Dr. B

Dr. C

Institute of Computer Science and Information Engineering  
College of Electrical Engineering and Computer Science

**SUMMARY**

The summary is a short, informative abstract of no more than 250 words. References should not be cited. The summary should (1) state the scope and objectives of the research, (2) describe the methods used, (3) summarize the results, and (4) state the principal conclusions. Text of the summary should be 12 pt Times New Roman font, single-spaced and justified. A single line space should be left below the title 'SUMMARY'. Leave a single line space above the key words listed below.

**Keyword:** NCKU Thesis/Dissertation Template, Graduate, LaTeX/XeLaTeX

**INTRODUCTION**

The purpose of the introduction is to tell readers why they should want to read your thesis/dissertation. This section should provide sufficient background information to allow readers to understand and evaluate the paper's results.

The introduction should (1) present the nature and scope of the problem, (2) review related literature, (3) describe the materials used and method(s) of the study, and (4) describe the main results of the study.

All text in the main body of the extended abstract should be 12 pt Times New Roman font,

single-spaced and justified. Main headings are placed in the centre of the column, in capital letters using 12 pt Times New Roman Bold font. Subheadings are placed on the left margin of the column and are typed in 12 pt Times New Roman Bold font.

## **MATERIALS AND METHODS**

There is flexibility as to the naming of the section (or sections) that provide information on the method(s) or theories employed. The methodology employed in the work must be described in sufficient detail or with sufficient references so that the results could be duplicated.

Your materials should be organised carefully. Include all the data necessary to support your conclusions, but exclude redundant or unnecessary data.

## **RESULTS AND DISCUSSION**

The results and discussion sections present your research findings and your analysis of those findings. The results of experiments can be presented as tables or figures.

### **Figures and Tables**

Figures may be integrated within the results section of the extended abstract, or they can be appended to the end of the written text. Figures should be black & white. They should be no wider than the width of the A4 page.

Tables can be created within Word. As noted for figures above, if a table is to be placed within the text, it can be no wider than the width of the A4 page. Larger tables will need to be placed at the end of the abstract.

Figures and tables should be numbered according to the order they are referenced in the paper. Figures and tables should be referred to by their number in the text. When referring to figures and tables in the text, spell out and capitalize the word Figure or Table. All figures and tables must have captions.

### **Captions**

Captions should clearly explain the significance of the figure or table without reference to the text. Details in captions should not be restated in the text. Parameters in figure captions should be included and presented in words rather than symbols.

Captions should be placed directly above the relevant table and beneath the relevant figure. The caption should be typed in 12 pt Times New Roman Bold font. Spell out the word 'Table' or 'Figure' in full. An example table and a figure follow.

Engine	OPEL Astra C16SE
Displacement (cc)	1598
Bore $\times$ stroke (mm $\times$ mm)	79 $\times$ 81.5
Valve mechanism	SOHC
Number of valves	Intake 4, exhaust 4
Compression ratio	9.8:1
Torque	135/3400 Nm/rpm
Power	74/5800 kW/rpm
Ignition sequence	1-3-4-2
Spark plug	BPR6ES
Fuel	95 unleaded gasoline
Cylinder arrangement	In-line 4 cylinders

Figure 1: Specifications of the engine

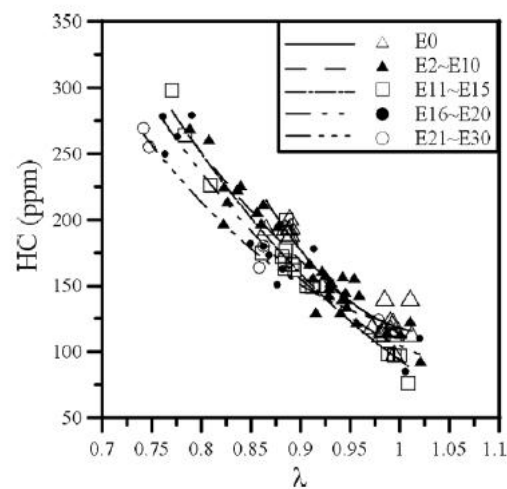


Fig. 7. HC emission as a function of equivalence ratio.

Figure 2: HC emission as a function of equivalence ratio

## CONCLUSION

This section should include (1) the main points of your paper and why they are significant, (2) any exceptions to, problems with, or limitations to your argument, (3) agreements or disagreements with previously published work, (4) theoretical and practical implications of the work, and (5) conclusions drawn.

## Nomenclature

<u>Symbol</u>	<u>Description</u>
$\alpha$	Symbol of alpha
$\beta$	
$\gamma$	Gamma

<u>Symbol</u>	<u>Meaning</u>	<u>SI unit of measure</u>
$g$	Standard gravity	$9.80665m/s^2$
$c$	Speed of light	$\approx 3.00 \times 10^8m/s$
$l$	Length	meter (m)

List of common physics notations





## 誌謝

在這邊寫你的感謝(對父母, 老師, 同學, 朋友等的感謝).



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# 第一章

## Introduction

Write your introduction here.



## 第二章

### Related Work

Write your relatd work here.



## 第三章

### Conclusion

Write your conclusion here.

