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by

Gildong Hong(16pt)

Student signature

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under the supervision of Professor Chulsu Kim (16pt)

A thesis submitted in partial fulfillment of

the requirements for the degree of

Master of Arts (Science) (in Major) (16pt)

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Title of Dissertation (21pt)

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Gildong Hong(16pt)

Student signature

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under the supervision of Professor Chulsu Kim (16pt)

A dissertation submitted in partial fulfillment of

the requirements for the degree of

Doctor of Philosophy (in Major) (16pt).

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The thesis of Gildong Hong has been approved by the thesis committee in partial fulfillment of the requirements for the degree of

Master of Arts (Science) (in Major). (16pt)

December 2022

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The dissertation of Gildong Hong has been approved by the dissertation committee in partial fulfillment of the requirements for the degree of Doctor of Philosophy (in Major). (16pt)

December 2022 (14pt)

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Title

by Gildong Hong

Department of OOOO

under the supervision of Professor Chulsu Kim

# ABSTRACT

The text of the abstract begins here.

The above title line (ABSTRACT) is styled using Heading 1 (제목 1).

Paragraph text is styled using Normal (표준).

Pages should be assigned from the abstract using small Roman numerals (i, ii, iii, iv, v, etc.)

**Keywords:** Keyword, Keyword, Keyword, Keyword, Keyword, Keyword

국문 제목

홍 길 동

O O 학 과

지도교수: 김 철 수

# 국문 초록

The Korean abstract should follow the English abstract. 영어 논문의 경우에도 한글 초록이 작성되어야 합니다.

The abstract should be written in both Korean and English. In addition, a thesis/dissertation written in a foreign language other than English must include the abstract in the relevant foreign language, English and Korean.

**중심어:** 중심어, 중심어, 중심어, 중심어, 중심어, 중심어

You can dedicate your thesis/dissertation to someone you know either personally or professionally. It is customary to place the dedication text in the center of the page without a title heading.

Style the above line with main center.

If you do not need this page, delete it.

# PREFACE

The text of the preface begins here.

If the thesis/dissertation contains the results of work conducted in collaboration with other people, or if the thesis/dissertation contains previously published content, a preface must be included. The preface may include the following. However, it is also possible to include the contents of the preface in the introduction of the main body.

① a description of the results that were obtained in collaboration with others, indicating the nature and proportion of the contribution of others and in general terms the portions of the work which the student claims as original

② a description of contents that have been published or submitted for publication and the contributions of all authors involved in any multi-authored publications included in the thesis/dissertation

③ your brief personal background, academic motivation, thesis/dissertation target group, acknowledgments, etc. can be included

Example

https://www.grad.ubc.ca/sites/default/files/doc/page/thesis\_sample\_prefaces.pdf

https://www.phase-trans.msm.cam.ac.uk/2002/thomas/chapter1.pdf

# Acknowledgments

The text of the acknowledgements begins here.

If necessary, acknowledgments can be included. If the Acknowledgments are mentioned in the preface, this section may be omitted.

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This table of contents (TOC) has been generated in MS Word. Word can generate a table of contents if all the main headings and subheadings have been tagged with the appropriate styles.

The table of contents starts with the abstract.

The preliminary pages (abstract, dedication, preface, acknowledgments, table of contents, list of tables, list of figures, nomenclature) should be assigned using small Roman numerals (i, ii, iii, iv, v...). The other preliminary pages (cover page, title page and signature page) should not be numbered. For the main body, use Arabic numbers (1, 2, 3, 4, 5...) starting with page 1.

It is customary to use Arabic numbers (1, 2, 3, 4, 5...) for the chapters in the main body and capital letters (A, B, C...) for the sections in the appendices.

# LIST OF TABLES

[Table 1 Organizing and formatting thesis/dissertation ２](#_Toc116036231)

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This List has been automatically generated in MS Word. It includes all text tagged with the word style above called Table Title.

A list of tables shall be included when there are tables in the thesis/dissertation. Table numbering can be continuous throughout the thesis/dissertation or by chapter (e.g., 1.1, 1.2, 2.1, 2.2...).

# LIST OF FIGURES

[Figure 1 Korea University Global Symbol ４](#_Toc115958311)

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List of figures should be prepared when figures are included in the thesis/dissertation. Figure numbering can be be continuous throughout the thesis/dissertation or by chapter (e.g., 1.1, 1.2, 2.1, 2.2...).

# Nomenclature(or List of symbols)

*M* original mass matrix

*K* original stiffness matrix

Subscripts

*b* interface boundary

*d* dominant

Abbreviation

*CMS* Component Mode Synthesis

If nomenclature or list of symbols is used, a section describing subscript and abbreviations can be included.

A blank page should be inserted before the main body.

# CHAPTER 1. INTRODUCTION

The following formatting information is intended to illustrate several acceptable ways of preparing a thesis or dissertation for your convenience

Chapter 1 is styled with Heading 1 (제목 1).

Paragraph text is styled using Normal (표준).

For the main body, use Arabic numbers (1, 2, 3, 4, 5...) starting with page 1.

## 1.1 Second Level Heading

The above second level subheading is styled using Heading 2(제목 2) in the style gallery. It will appear in the Table of Contents, automatically.

Normal (표준) is used here. There is no limit to the number of pages in a paper.

This template isn't the only way to list titles, subheadings, numbering, etc. It's just one example that may work for you and it is not mandatory or even recommended.

There is no limit to the number of pages in a thesis.

### 1.1.1 Third Level Heading

The above third level subheading is styled using Heading 3(제목 3) in the style gallery. It will appear in the Table of Contents, automatically.

Normal (표준) is used here.

# CHAPTER 2. ORGANIZING AND FORMATTING

## 2.1 Paper Size and Margins

The paper size of the thesis/dissertation shall be B5.

For the first three preliminary pages (including the cover page, title page and signature page) before the abstract, all margins (top, bottom, left and right) shall be at least 3 cm.

From the abstract on, the top and bottom margins shall be at least 3cm and the left and right margins shall be at least 2 cm.

###### Table Organizing and formatting thesis/dissertation

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| **Order** | **Note** | **Margin**  | **Pagination** |
| Cover page  |  | top, bottom, left & right at least 3 cm | None |
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| Title page |  |
| Signature page |  |
| Abstract | both English & Korean  | top & bottomat least 3 cmleft & rightat least 2 cm | I, ii, iii, iv... |
| Dedication page | optional  |
| Preface | if necessary |
| Acknowledgments | optional  |
| Table of contents  |  |
| List of tables | if there are tables or figures in the main body |
| List of figures |
| Nomenclature(or List of symbols)  | optional |
| Blank page |  | None |
| Main body |  | 1,2,3,4... |
| References(or Bibliography) |  |
| Appendices | optional |
| Index | optional |

## 2.2 Fonts and Size

The thesis/dissertation should be typed using Myeongjo or Gothic or similar fonts in Korean and Times New Roman or Calibri or similar fonts in English. The font size shall be 10-12 points for the main body.

This document was written using KoPub font for Korean and Times New Roman font for English.

<https://www.kopus.org/biz-electronic-font2-2/>

YoonSeo or YoonGothic fonts are also available in Korea University.

YoonSeo(YDYMjO), YoonGothic(YDYGO) Fonts in the 윤소호2012통합본 folder

<http://www.korea.ac.kr/mbshome/mbs/university/file/KoreaUNIV_YoonSeo_Font_ttf.zip>

###### Table Requirement for font size and the style used in this manuscript

|  |  |  |
| --- | --- | --- |
|  | Size Requirements  | Style |
| Thesis title | 21 | 21pt title page  |
| The school name (Graduate School, Korea University, | 18 | 18 pt title page |
| Year, month and day | 14 | 14 pt title page |
| All other parts are 16 points (department, name, advisor, master's thesis, ...submitted, ...completed, etc.) | 16 | 16 pt title page |
| Main text | 10-12 | Normal (표준) |
| Heading | None | Heading 1,2,3 |
| Figure caption | None | Heading 6,Table Title |
| Table caption | None | Heading 7, Figure Caption |

## 2.3 Figure and Equation



Figure Korea University Global Symbol

$E=mc^{2}$ ()

# CHAPTER 3. DISCUSSION

Discussion starts here.

# CHAPTER 4. CONCLUSION

Conclusion starts here.

# REFERENCES(or BIBLIOGRAPHY)

Reference starts here.

References are a detailed list of sources that are cited in your thesis/dissertation. A bibliography is a detailed list of references cited in your thesis/dissertation plus background or other material you have read but have not actually cited.

References should be prepared in a consistent format using bibliographic management tools (Endnote, Mendeley, etc.) in the order of author name or citation according to your academic field.

Bibliographic management tools

<https://library.korea.ac.kr/research/writing-guide/endnote/>

<https://library.korea.ac.kr/research/writing-guide/mendeley/>

# APPENDICES(or supplementary materials)

## A. Appendix Title

Appendix starts here if required.

It is customary to use capital letters (A, B, C...) for the sections in the appendices.

# INDEX

Index starts here if required.