

**ANKARA YILDIRIM BEYAZIT UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED
SCIENCES**



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**M.Sc. Thesis by
Name Name SURNAME**

**Department of Computer Engineering
September, 2023
ANKARA**

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A Thesis Submitted to the

Graduate School of Natural And Applied Sciences of

Ankara Yildirim Beyazit University

In Partial Fulfillment of the Requirements for the Degree of Master of Science in
Computer Engineering, Department of Computer Engineering

by

Name Name SURNAME

September, 2023

ANKARA

M.Sc. THESIS EXAMINATION RESULT FORM

We have read the thesis entitled "**THEISIS TITLE**
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THEISIS TE" completed by **NAME NAME SURNAME** under supervision of **PROF. DR. BBBB BBBB** and we certify that in our opinion it is fully adequate, in scope and in quality, as a thesis for the degree of Master of Science.

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Director

Graduate School of Natural and Applied Sciences

ETHICAL DECLARATION

I hereby declare that, in this thesis which has been prepared in accordance with the Thesis Writing Manual of Graduate School of Natural and Applied Sciences,

- All data, information and documents are obtained in the framework of academic and ethical rules,
- All information, documents and assessments are presented in accordance with scientific ethics and morals,
- All the materials that have been utilized are fully cited and referenced,
- No change has been made on the utilized materials,
- All the works presented are original,

and in any contrary case of above statements, I accept to renounce all my legal rights.

Date: 2023, 20 September

Signature: _____

Name & Surname: Name Name SURNAME

ACKNOWLEDGEMENTS

Firstly, I would like to express my sincere gratitude to my advisor Prof. Asds ASDAS for continuous support of...

Beside my advisor, I am deeply indebted to Prof. Asdas

I thank my colleagues at AYBU...

September, 2023

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ABSTRACT

Imaging in sub-Terahertz (THz) band has become an attractive research area with the emerging technology since it has a wide range of potential applications in defense, security or airborne systems...

Keywords: Compressed sensing, sub-THz, single pixel imaging, super-resolution, computational ghost imaging, millimeter wave, image quality assessment, convex optimization, matching pursuit, hadamard.

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Terahertz (THz)-altı bandında görüntüleme, savunma, güvenlik veya havacılık sistemlerinde çok çeşitli potansiyel uygulamalara sahip olması nedeniyle, gelişen teknolojiyle birlikte çekici bir araştırma alanı haline gelmiştir...

Anahtar kelimeler: Sıkıştırılmış algılama, THz-altı, tek piksel görüntüleme, süper-çözünürlük, hesaplamalı hayalet görüntüleme, milimetre dalga, görüntü kalitesi değerlendirmesi, konveks optimizasyon, eşleştirme algoritması, hadamard.

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NOMENCLATURE

Roman Letter Symbols

- T Absolute temperature, K
 U Overall heat transfer coefficient, $W/(m^2 \cdot K)$

Greek Letter Symbols

- α Ratio of heat transfer area of one side to total heat exchanger volume, m^2/m^3
 β Complex numbers
 ρ Density of fluid, kg/m^3

Subscripts

- c Cold fluid
 h Hot fluid

Acronyms

- BDC Bottom Dead Center
CI Compression-ignition

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CHAPTER 1

INTRODUCTION

Bu döküman Ankara Yıldırım Beyzit Üniversitesi Fen Bilimleri Enstitüsünün Haziran 2021 kurallarına göre güncellenmiştir. Söz konusu tarihte tez tesliminde kullanılmıştır. Enstitünün resmi şablonu değildir. Tüm sorumluluk kullanan kişiye aittir. Enstitü yazım kuralları sürekli güncellendiği için, değişiklileri takip etmek yazarın sorumluluğundadır.

Referans vermek için bir *References.bib* dosyasına gerekli referans bilgileri BibTeX formatında eklenir. Sonra ilgili referans \cite{ReferansAdı} kodu ile eklenir. Enstitü kılavuzunda makale [1], kitap [2], internet alıntı [3] gibi farklı türdeki referanslar için farklı kurallar mevcuttur. *References.bib* dosyası oluşturulurken doğru türde (*article*, *misc*, *book*) referans eklenmelidir.

1.1 Section Title

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.....
.....

Örnek tablo:

Table 1.1 Surface characteristics of fins

Fin type	Fin density	Plate spacing	Hydraulic diameter	Fin thickness
Plain 9.03	355.5	20.9	4.463	0.203
Plain 11.11	437	6.35	3.081	0.152

Before subsection text

1.1.1 Subsection title

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Örnek figür:

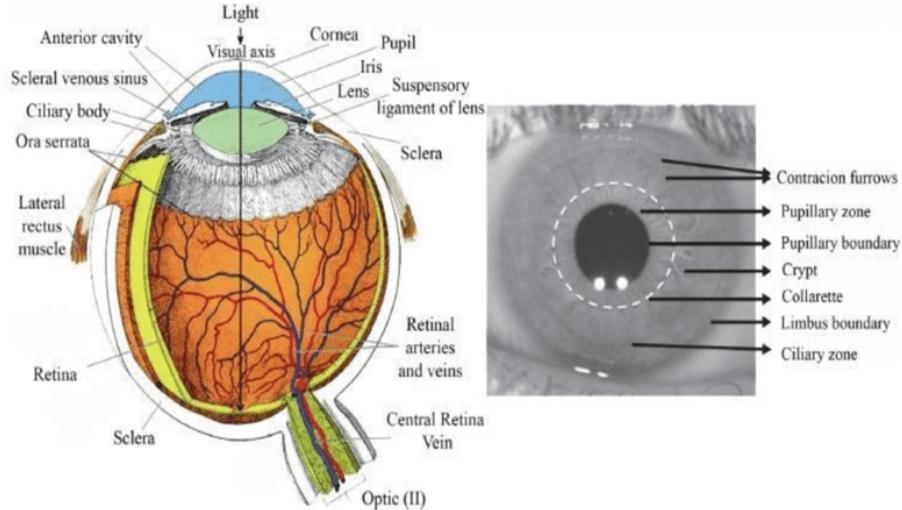


Figure 1.1 Iris demonstration [4]

By putting \autoref{fig:eye} where fig:eye is the label of the figure, you may reference your figure or in similar way your table, e.g.: see Figure 1.1 or see Table 1.1 and also see Table 2.1

Also by putting \Cref{ch:1}1 where ch:1 is the label of the chapter and 1 at the end is the chapter number, you can reference a chapter, e.g.: Chapter 1 includes the necessary information about blah blah. If you put \cref{ch:2} where the first letter of command is not capital, you will get something like: The second chapter has blah blah

.....
Example equation:

$$\text{Pythagorean theorem: } x^2 + y^2 = z^2 \quad (\mathbf{1.1})$$

By putting \eqref{equation:1} you can create equation reference. Ex: Equation **1.1** is showing the Pythagorean theorem.
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CHAPTER 2

MATERIALS AND METHODS

2.1 Section Title

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..... Bu döküman Ankara
 Yıldırım Beyzit Üniversitesi Fen Bilimleri Enstitüsü'nün Mart 2022 kurallarına göre
 güncellenmiştir. Söz konusu tarihte tez tesliminde kullanılmıştır. Enstitünün resmi
 şablonu değildir. Tüm sorumluluk kullanan kişiye aittir. Enstitü yazım kuralları
 sürekli güncellendiği için, değişiklileri takip etmek yazarın sorumluluğundadır.

Referans vermek için bir *References.bib* dosyasına gerekli referans bilgileri BibTeX
 formatında eklenir. Sonra ilgili referans

.....
 Örnek tablo:

Table 2.1 Örnek tablo

A	1
B	2
C	3

2.1.1 Subsection Title

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2.1.1.1 Subsubsection Title

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- [2] Goodfellow I., Bengio Y., and Courville A., *Deep Learning*. Cambridge: MIT Press, 2016.
- [3] Google Inc, “Kaggle,” 2020, retrieved April 1, 2020. [Online]. Available: <https://www.kaggle.com/>
- [4] Zidan K. and Stephan J., “A review on iris recognition system based different classification techniques,” *Solid State Technology*, vol. 64, pp. 5106–5119, 04 2021.

APPENDICES

Appendix A: First Appendix.

Appendix B: Another Table.

Appendix C: Thermophysical Properties of Air.

Appendix D: K_c and K_e Coefficients.

Appendix A – First Appendix

This is a text inside the section

Table A.1 Örnek tablo

A	1
B	2
C	3

Appendix B – Another Table

This is a text inside the section

Table B.1 Örnek tablo

A	1
B	2
C	3

CURRICULUM VITAE

PERSONAL INFORMATION

Name Surname : Name Name SURNAME

Date of Birth : 01.01.1990

Phone :

E-mail :



EDUCATION

High School :

Bachelor :

Master Degree :

WORK EXPERIENCE

Research Assist. or Engineer etc. : T.C. bla bla

TOPICS OF INTEREST

- Thermodynamics
- Heat Transfer
- Fluid Mechanics
- Internal Combustion Engines

PRESENT ORGANIZED SOURCES / PRESENTATION

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