

THESIS TITLE IN CAPS

Student Name

THESIS TITLE IN CAPS

*Thesis submitted to
Indian Institute of Technology Kharagpur
for award of the degree*

of

Doctor of Philosophy

by

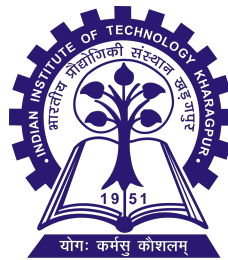
Student Name

Under the guidance of

Guide A's Name

and

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Department Name

Indian Institute of Technology Kharagpur

Kharagpur - 721 302, India

May 2020

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Dedicated to my parents

APPROVAL OF THE VIVA VOCE BOARD

Date: 19 / 05 / 2020

Certified that the thesis entitled **Thesis Title** submitted by **Mr. Student Name** to Indian Institute of Technology Kharagpur, for the award of the degree of **Doctor of Philosophy** has been accepted by the external examiners and that the student has successfully defended the thesis in the viva-voce examination held today.

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CERTIFICATE

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This is to certify that the thesis entitled **Thesis Title**, submitted by **Mr. Student Name** to Indian Institute of Technology Kharagpur, is a record of bona fide research work carried out by him under our supervision and is worthy of consideration for the award of the degree of **Doctor of Philosophy** of the Institute.

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DECLARATION

I declare that

- (a) The work contained in the thesis is original and has been done by myself under the general supervision of my supervisors;
- (b) The work has not been submitted to any other institute for any degree or diploma;
- (c) I have followed the guidelines provided by the Institute in writing the thesis;
- (d) I have conformed to the norms and guidelines given in the Ethical Code of Conduct of the Institute;
- (e) Whenever I have used materials (data, theoretical analysis, and text) from other sources, I have given due credit to them by citing them in the text of the thesis, giving their details in the references, and taking permission from the copyright owners of the sources, if necessary;
- (f) Whenever I have quoted written materials from other sources, I have put them under quotation marks and given due credit to the sources by citing them and giving required details in the references.

Place: Kharagpur

Date: 19 / 05 / 2020

Student Name

Acknowledgements

During this period of my postgraduate study there are many people whose guidance, support, encouragement and sacrifice has made me indebted for my whole life. I take this opportunity to express my sincere thanks and gratitude to all these people.

<Your specific acknowledgment....>

Student Name

Abstract

Here goes the abstract of the thesis.

Keywords: keyword 1, keyword 2,

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Nomenclature

μ	Linear mass density
t	Temporal coordinate
w	Transverse displacement
x	Spatial coordinate

Chapter 1

Introduction

Introduction to the works. Describe about the background of your research works, motivation, contributions. Also, mention the scope and objectives specifically. The introduction section also contains the thesis organization.



Figure 1.1: IEEE Logo

Figure 1.1 shows the IEEE color logo.

1.1 Scope and Objectives

1.2 Organization of the Thesis

Write about the contents of the sections.

Chapter 2: Literature Survey

Chapter 3: Chapter Name

Chapter 4: Conclusions and Future Work

Chapter 2

Literature Survey

In this chapter, a survey of literature related to the contributions made in this dissertation is reported.

The rest of the chapter is organized as follows.

2.1 Wireless Sensor Networks

Recently, wireless sensor networks (WSNs) are applied to numerous real-life applications. de Jalón and Bayo (1994) proposed one such application of WSNs for urban CO₂ monitoring.

2.2 Underwater Sensor Networks

Van Khang et al. (2018) presented a detailed survey on the existing works on Underwater Sensor Networks (UWSNs). The authors also point out the research challenges that exist in the existing schemes.

2.3 Summary

Table 2.1 shows a comparison of two parameters.

Table 2.1: A nested table structure

Col. 1	Col. 2		Col. 3	
	Col. 2.1	Col. 2.2	Col. 3.1	Col. 3.2
R1	a1	b1	c1	d1
	a2	b2	c2	d2
R2	w1	x1	y1	z1
	w2	x2	y2	z2

Chapter 3

Chapter Title

The rest of the chapter is organized as follows. This chapter consists of five sections. Section 3.1 discusses the experimental setup for our experiments. We present our algorithm in Section 3.2.

3.1 Experimental Setup

Figure 3.1 shows the experimental setup for our experiments.

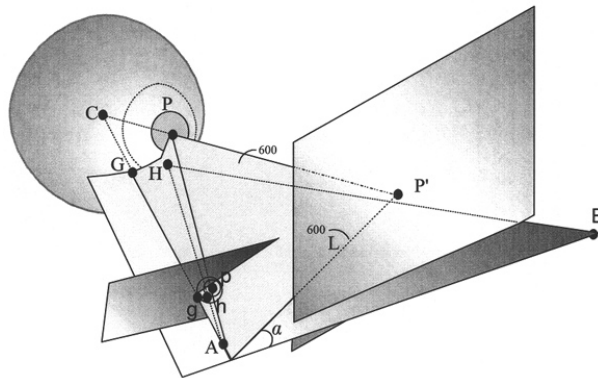


Figure 3.1: Experimental setup

3.2 Algorithm for the Experiment

3.3 Theorem and Lemma

Theorem 1. *This is a simple theorem. We include a simple inline math environment*

$$\mathcal{E} = \alpha^2 - 2 * n * \beta$$

```

Data: this text
Result: how to write algorithm with LATEX
1 initialization;
2 while Some condition is true do
3   | read current;
4   | if then comment then
5   |   | )
6   | else
7   |   | if current is something
8   | end
9   | do some work;
10  | do some more work;
11 end

```

Algorithm 1: How to write algorithms

Proof. This is the proof of Theorem 1.

Here we are using equation with a number instead of inline math in Equation 3.1.

$$\varepsilon_i^n = \alpha^2 - 2 * n * \frac{\beta}{\gamma_i} \quad (3.1)$$

□

3.4 Lists

3.4.1 Lists with Bullets

- Item 1
- Item 2
- Item 3

3.4.2 Lists with Numbers

- Item 1
- 1. Item 2
- 2. Item 3

3.5 Summary

Chapter 4

Summary and Conclusion

4.1 Contribution of Our Work

4.2 Future Scope of Work

Appendices

A Appendix A

B Appendix B

References

de Jalón, J. G. and Bayo, E. (1994), *Kinematic and Dynamic Simulation of Multibody Systems: The Real-Time Challenge*, 1 edn, Springer-Verlag Newyork, Inc. USA.

Van Khang, N., Sy Nam, N. and Van Quyen, N. (2018), ‘Symbolic linearization and vibration analysis of constrained multibody systems’, *Archive of Applied Mechanics* **88**(8), 1369–1384.

Publications out of this work

Journal

-
-

Conference

-
-

Curriculum Vitae of the Scholar

1. Bio-data

- *Name:*
- *Roll No.:*
- *Father's Name:*
- *Date of Birth:*
- *Permanent Address:*

2. Present Status:

3. Academic Qualification:

-
-

4. Research Experience:

-
-

5. Journal Publications:

-
-

6. Conference Publications:

-
-

7. Awards:

-

-

8. Professional Affiliations

- Graduate student member, IEEE
- Student member, ACM