

Your thesis title



Your name

Research Group Name
Department of Civil Engineering
Indian Institute of Technology Roorkee
Roorkee - 247667 (INDIA)

Submitted in partial fulfillment of the requirements for the
Degree of Doctor of Philosophy
in Civil Engineering

Supervisor : Dr. Supervisor
Co-Supervisor : Dr. Co-supervisor

February, 2022

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Candidate's Declaration

I hereby certify that the work which is being presented in this report entitled "Your thesis title" in partial fulfillment of the requirements for the award of the degree of Doctor of Philosophy and submitted in the **Department of Civil Engineering** of the **Indian Institute of Technology Roorkee** is an authentic record of my own work carried out during the period from September, 2017 to December, 2021 under the supervision of **Dr. Supervisor**, Associate Professor and **Dr. Co-supervisor**, Associate Professor.

The matter presented in this thesis has not been submitted by me for the award of any other degree of this or any other Institute.

Your name

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date:

Supervisor
(**Dr. Supervisor**)

Co-Supervisor
(**Dr. Co-supervisor**)

Abstract

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Acknowledgements

It is a good thing to acknowledge the people who have helped you in this journey. They could be your friends, family, your supervisor or the office people who were kind enough to help you. There is no need to write fake acknowledgments. Try to be authentic.

Date:

Your name

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Chapter 1

Introduction

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

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Chapter 2

Main chapter title

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Chapter 3

Main chapter title

Chapter 4

The chapter title

Chapter 5

Conclusions and Recommendations

Appendix A

Title

List of Figures

List of Tables

List of Abbreviations

LAH List Abbreviations **Here**

WSF What (it) **Stands For**

Physical Constants

Speed of Light $c_0 = 2.997\,924\,58 \times 10^8 \text{ m s}^{-1}$ (exact)

List of Symbols

a	distance	m
P	power	W (J s ⁻¹)
ω	angular frequency	rad

List of Mathematical Symbols

$\{\}$	Denotes empty set.
$\{\square\}$	Denotes a singleton set: $\{x\}$ denotes the set that has x as a single element.

List of Publications

Papers in Refereed Journals

- [1] Abhinav Gupta, U. Meenu Krishnan, Rajib Chowdhury, and Anupam Chakrabarti. An auto-adaptive sub-stepping algorithm for phase-field modeling of brittle fracture. *Theoretical and Applied Fracture Mechanics*, 108:102622, August 2020. ISSN 0167-8442. doi: 10.1016/j.tafmec.2020.102622.

National and International Conference Proceedings

- [1] Abhinav Gupta, U Meenu Krishnan, Rajib Chowdhury, and Anupam Chakrabarti. Runtime from 300 years to 300 min: Lessons learned in large-scale modeling in FEniCS. page 16.

Bibliography

- [1] T J R Hughes, J A Cottrell, and Y Bazilevs. Isogeometric analysis: CAD, finite elements, NURBS, exact geometry and mesh refinement. *Comput. Methods Appl. Mech. Engrg.*, page 61, 2005.