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References Finite Element Analysis Books 1. Logan, D., A First Course in the Finite Element Method, Second Edition, PWS Publishing Company, ITP, 1993.

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MATLAB Guide to Finite Elements: An Interactive Approach

Programing the Finite Element Method with Matlab Jack Chessa 3rd October 2002 1 Introduction The goal of this document is to give a very brief overview and direction in the writing of nite element code using Matlab. It is assumed that the reader has a basic familiarity with the theory of the nite element method,

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The finite element method (FEM), or finite element analysis (FEA), is a computational technique used to obtain approximate solutions of boundary value problems in engineering. Boundary value problems are also called field problems. The field is the domain of interest and most often represents a physical structure.

Introduction to Finite Element Analysis (FEA) or Finite

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Finite Element Method

The book contains a short tutorial on MATLAB as well as a systematic strategy for the treatment of finite element methods. Useful to both students and researchers in engineering, it provides various examples and exercises from mechanical, civil and aerospace engineering, as well as from materials science.

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