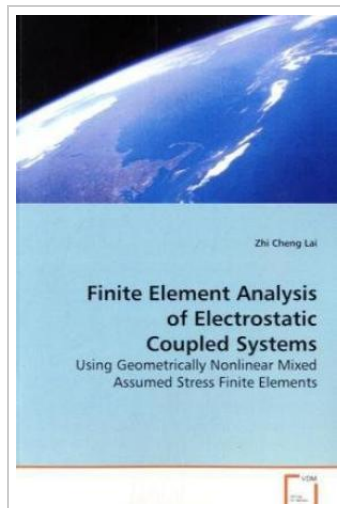




Finite Element Analysis of Electrostatic Coupled Systems

By Lai, Zhi Cheng

Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | Using Geometrically Nonlinear Mixed Assumed Stress Finite Elements | Multi-physics coupled fields are often present in MEMS. This makes the modeling and analysis of such devices difficult and sometimes costly. The coupling between electrostatic and mechanical fields in MEMS is one of the most common and fundamental phenomena in MEMS; it is this configuration that is studied in this thesis. The following issues are addressed: 1. The finite element method (FEM) is therefore used to model electrostatic/mechanical coupled MEMS. 2. In order to capture the configuration of the system accurately, with relatively little computational effort, a geometric non-linear mixed assumed stress element is developed and used in the FE analyses. 3. Selected algorithms for solving highly non-linear coupled systems are evaluated. 4. Finally, a practical engineering MEMS problem is studied. | Format: Paperback | Language/Sprache: english | 122 gr | 80 pp.

DOWNLOAD



READ ONLINE

[5.03 MB]

Reviews

Thorough guide! Its this sort of excellent read. It is really simplified but unexpected situations in the 50 % in the book. You are going to like just how the blogger create this publication.

-- **Prof. Lela Steuber**

A whole new electronic book with an all new perspective. It is one of the most incredible book we have read. Your way of life span will likely be convert when you comprehensive reading this article book.

-- **Spencer Fay**

You May Also Like



Jack Drummond s Christmas Present: Adventure Series for Children Ages 9-12

Createspace, United States, 2013. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.A very warm welcome to Jack Drummond s Christmas Present, the sixth book in the series for children ages 9-12....



The Voyagers Series - Europe: A New Multi-Media Adventure Book 1

Strength Through Communications, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching reading that provides students with a stimulating,...



MY FIRST BOOK OF ENGLISH GRAMMAR 3 IN 1 NOUNS ADJECTIVES VERBS AGE 5+

EURO KIDS. Paper Back. Book Condition: New. Please note: We do not ship to PO Boxes, please provide us with your complete delivery address.



Diary of a Potion Maker (Book 1): The Potion Expert (an Unofficial Minecraft Book for Kids Ages 9 - 12 (Preteen)

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.GENRE: Childrens Adventure (An Unofficial Minecraft Book for Kids Ages 9 - 12 (Preteen) All witches must...



Fun to Learn Bible Lessons Preschool 20 Easy to Use Programs Vol 1 by Nancy Paulson 1993 Paperback

Book Condition: Brand New. Book Condition: Brand New.



What is in My Net? (Pink B) NF

Pearson Education Limited. Book Condition: New. This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and an online reading world to teach today's children to read. In this book, Zac and Daisy are fishing....