Finite Elements and Approximation Dover Books on Engineering

By O. C. Zienkiewicz

Dover Publications. Paperback. Book Condition: New. Paperback. 350 pages. Dimensions: 8.3in. x 5.3in. x 0.7in.A powerful tool for the approximate solution of differential equations, the finite element is extensively used in industry and research. This book offers students of engineering and physics a comprehensive view of the principles involved, with numerous illustrative examples and exercises. Starting with continuum boundary value problems and the need for numerical discretization, the text examines finite difference methods, weighted residual methods in the context of continuous trial functions, and piecewise defined trial functions and the finite element method. Additional topics include higher order finite element approximation, mapping and numerical integration, variational methods, and partial discretization and time-dependent problems. A survey of generalized finite elements and error estimates concludes the text. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

READ ONLINE
[8.81 MB]

Reviews

A fresh electronic book with a new perspective. It is one of the most remarkable book we have go through. Your daily life period will likely be transform the instant you full reading this article pdf.
-- Katrine Kohler DVM

The book is fantastic and great. This is for anyone who statte there was not a worthy of reading. I found out this publication from my i and dad advised this pdf to learn.
-- Pete Paucek DVM