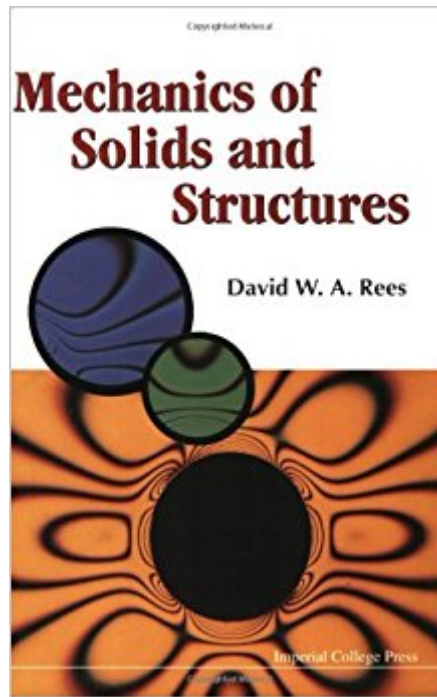


The book was found

Mechanics Of Solids And Structures



Synopsis

The fifteen chapters of this book are arranged in a logical progression. The text begins with the more fundamental material on stress, strain and plane elasticity. There follows a full treatment of the theories of bending and torsion. Coverage of moment distribution, shear flow, struts and energy methods precedes a chapter on finite elements. Thereafter, the book presents yield and strength criteria, plasticity, collapse, creep, visco-elasticity, fatigue and fracture mechanics. Appended is material on the properties of areas, matrices and stress concentrations. Each topic is illustrated by worked examples and supported by numerous exercises. The broad text ensures its suitability for undergraduate and postgraduate courses in mechanical, aeronautical, civil and materials engineering.

Book Information

Paperback: 752 pages

Publisher: Imperial College Press; 1st edition (April 24, 2000)

Language: English

ISBN-10: 1860942180

ISBN-13: 978-1860942181

Product Dimensions: 6.5 x 1.5 x 9.8 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

Average Customer Review: 3.0 out of 5 stars Â Â See all reviews Â (1 customer review)

Best Sellers Rank: #2,058,793 in Books (See Top 100 in Books) #67 in Â Books > Engineering & Transportation > Engineering > Materials & Material Science > Fracture Mechanics #164

in Â Books > Engineering & Transportation > Engineering > Materials & Material Science > Strength of Materials #1037 in Â Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural

Customer Reviews

Good for the wide and exhaustive arguments definition. A bit "heavy" for who wants "fluid readings"!

[Download to continue reading...](#)

Mechanics of Solids and Structures Introducing Solids & Making Your Own Organic Baby Food: A Step-by-Step Guide to Weaning Baby off Breast & Starting Solids. Delicious, Easy-to-Make, & Healthy Homemade Baby Food Recipes Included. Engineering Mechanics of Solids (2nd Edition) Applied Mechanics of Solids Engineering Mechanics of Deformable Solids: A Presentation with

Exercises Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics) Robotics: The Beginner's Guide to Robotic Building, Technology, Mechanics, and Processes (Robotics, Mechanics, Technology, Robotic Building, Science) Soil Mechanics in Highway Engineering (Series on Rock and Soil Mechanics) Dynamics of Structures (4th Edition) (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Dynamics of Structures (5th Edition) (Prentice-Hall International Series I Civil Engineering and Engineering Mechanics) Dynamics of Structures (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Structural Analysis: With Applications to Aerospace Structures (Solid Mechanics and Its Applications) Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics (Astm Manual Series) Mechanics of Structures Variational and Computational Methods, 2nd Edition Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics Mechanics II: Mechanics of Materials + Java Software Structures: Designing and Using Data Structures Java Software Structures: Designing and Using Data Structures (3rd Edition) Design and Analysis of Composite Structures: With Applications to Aerospace Structures

[Dmca](#)