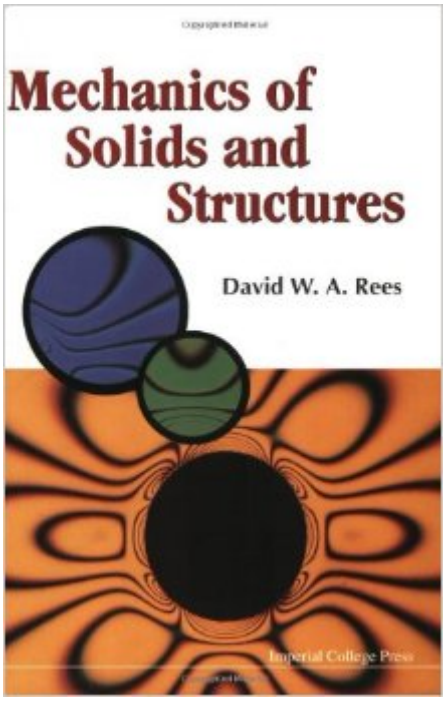
Mechanics Of Solids And Structures



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)

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Customer Reviews

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

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