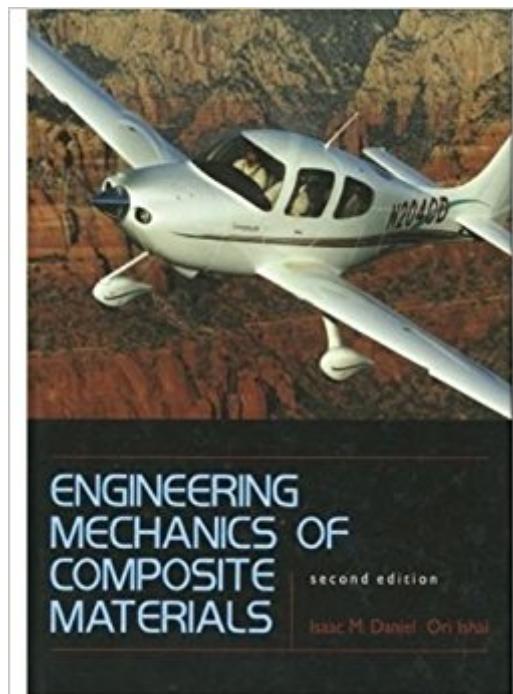


The book was found

Engineering Mechanics Of Composite Materials



Synopsis

Engineering Mechanics of Composite Materials, 2/e analyzes the behavior and properties of composite materials--rigid, high-strength, lightweight components that can be used in infrastructure, aircraft, automobiles, biomedical products, and a myriad of other goods. This edition features additional exercises and new material based on the author's research and advances in the field.

Book Information

Hardcover: 432 pages

Publisher: Oxford University Press; 2 edition (July 24, 2005)

Language: English

ISBN-10: 019515097X

ISBN-13: 978-0195150971

Product Dimensions: 9.4 x 1 x 7.6 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 starsÂ See all reviewsÂ (14 customer reviews)

Best Sellers Rank: #65,584 in Books (See Top 100 in Books) #3 inÂ Books > Engineering & Transportation > Engineering > Materials & Material Science > Testing #32 inÂ Books > Science & Math > Physics > Mechanics #54 inÂ Books > Textbooks > Science & Mathematics > Mechanics

Customer Reviews

The book Engineering Mechanics of Composite Materials by Isaac M. Daniel and Ori Ishai is probably one of the best introduction books for composite analysis. I own several books in composites and so far this is the book I believe is most intuitive. I used this book as undergraduate and I continue to use it today. The book is easy to follow and for the most part provides with the formulation of most of the equations cover in the book. The only thing it lacks is a section in tensor analysis to help students understand stress and strain transformation via linear algebra. Over all I would recommend this text to anyone interested in learning the basics laminated composite analysis.

This book is really friendly for a novice in composites. It contains a lot of theoretical and experimental data, solved problems and problems for the reader to solve and also lots of enlightening illustrations and figures. Chapters 7 and 8 nicely cover stress and failure analysis and characterization and testing subjects. Overall a very good book and up to date.

This book is very helpful but you need to have a solid background in mechanics of material. The authors assume you know the basics and do not elaborate much on them. Very good examples and problems. A good reference.

I like this text book for my under graduate students it has a lot of materials informations.

I use this book for designing composite aircraft structures and it does help me, although i wish they had more programs for running optimal layups of composite surfaces, but all in all a worth book for student and professional engineers alike.

This is a well crafted book. I keep examining other books because I find there seem many but I find few cover the mechanics and failure concepts as well as this book.

This book is not nearly thorough enough. For the price it should be 2-3x as thick.

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

Mechanics of Composite Materials, Second Edition (Mechanical and Aerospace Engineering Series) Engineering Mechanics of Composite Materials Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics) The Mechanics of Adhesives in Composite and Metal Joints Fundamentals of Earthquake Engineering (Civil engineering and engineering mechanics series) Mechanics II: Mechanics of Materials + Introduction to Composite Materials Design, Second Edition Stress Analysis of Fiber-Reinforced Composite Materials Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing) Soil Mechanics in Highway Engineering (Series on Rock and Soil Mechanics) Deformation and Fracture Mechanics of Engineering Materials 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 Dynamics by Finite Elements (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Concrete (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Materials North American Edition w/Online Testing: Materials - North American Edition, Second Edition: engineering, science, processing and design Engineering Materials 2, Fourth Edition: An Introduction to Microstructures and Processing (International Series

on Materials Science and Technology) The Structure of Materials (Mit Series in Materials Science and Engineering) Robotics: The Beginner's Guide to Robotic Building, Technology, Mechanics, and Processes (Robotics, Mechanics, Technology, Robotic Building, Science)

[Dmca](#)