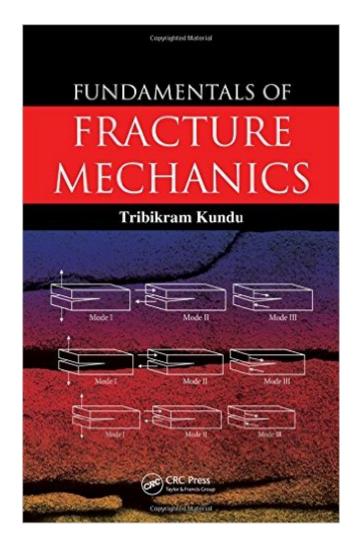
The book was found

## **Fundamentals Of Fracture Mechanics**





## Synopsis

Almost all books available on fracture mechanics cover the majority of topics presented in this book, and often much, much more. While great as references, this makes teaching from them more difficult because the materials are not typically presented in the order that most professors cover them in their lectures and more than half the information presented is not covered in an introductory course at all. Focusing on the needs of students and professors, Fundamentals of Fracture Mechanics offers an introduction to the discipline through careful editing and mindfulness toward the audience. The book begins with a review of the fundamentals of continuum mechanics and the theory of elasticity relevant to fracture mechanics. The following material has been carefully selected, only including topics important enough to be covered in a first course on fracture mechanics. Except for the last chapter, no advanced topics are covered. Therefore, instructors of elementary fracture mechanics courses can easily cover the entire book in a three-unit graduate-level course without having to spend too much time picking and choosing appropriate topics for the course from the vast knowledge presented in most fracture mechanic books available today. Drawing on over 20 years of teaching, the author supplies practical and useful resources, including practice exercises designed to facilitate enjoyable learning and reference for further study. His clear, concise coverage of essential information makes the book ideal not only for an introductory course but also for self-study.

## **Book Information**

Paperback: 304 pages Publisher: CRC Press; 1 edition (January 30, 2008) Language: English ISBN-10: 084938432X ISBN-13: 978-0849384325 Product Dimensions: 6.3 x 0.8 x 9.3 inches Shipping Weight: 1.2 pounds (View shipping rates and policies) Average Customer Review: Be the first to review this item Best Sellers Rank: #2,423,367 in Books (See Top 100 in Books) #80 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Fracture Mechanics #1446 in Books > Science & Math > Physics > Mechanics #2004 in Books > Textbooks > Science & Mathematics > Mechanics

Download to continue reading...

Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics (Astm Manual Series) Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics Fracture Mechanics Fracture Mechanics: Fundamentals and Applications, Second Edition Fundamentals of Fracture Mechanics Fracture Mechanics: Fundamentals and Applications, Third Edition Finnie's Notes on Fracture Mechanics: Fundamental and Practical Lessons Deformation and Fracture Mechanics of Engineering Materials Principles of Fracture Mechanics Elementary engineering fracture mechanics Practure Mechanics for Structural Steel Fracture Mechanics (Oxford Engineering Science Series) The Practical Use of Fracture Mechanics Analytical Fracture Mechanics (Dover Civil and Mechanical Engineering) Fundamentals of Nursing: Human Health and Functionraven, Fundamentals of Nurs) 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) Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics)

<u>Dmca</u>