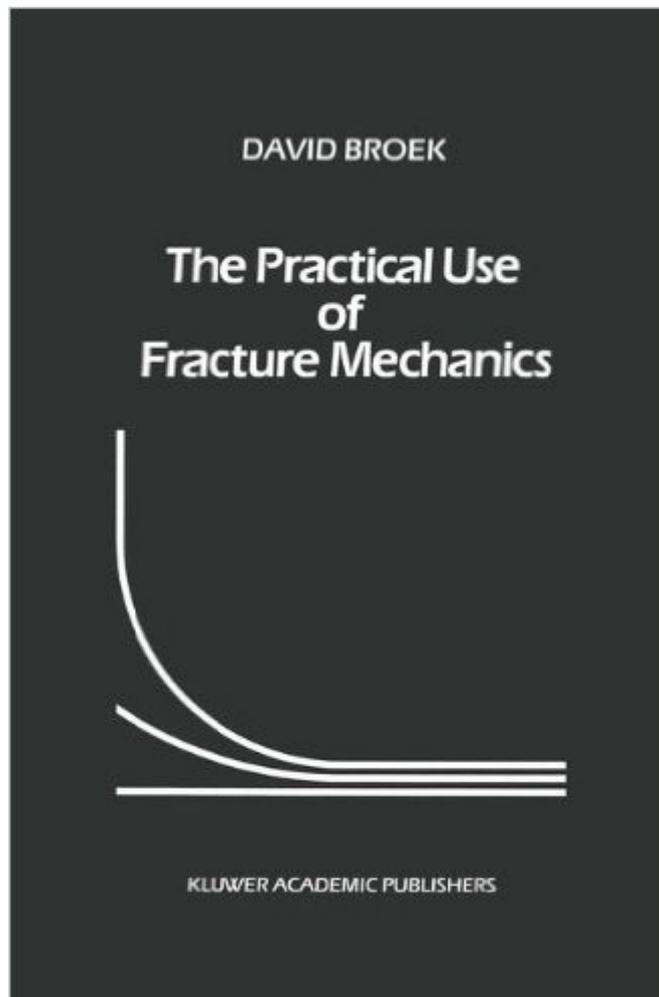


The book was found

The Practical Use Of Fracture Mechanics



Synopsis

This book is about the use of fracture mechanics for the solution of practical problems; academic rigor is not at issue and dealt with only in as far as it improves insight and understanding; it often concerns secondary errors in engineering. Knowledge of (ignorance of) such basic input as loads and stresses in practical cases may cause errors far overshadowing those introduced by shortcomings of fracture mechanics and necessary approximations; this is amply demonstrated in the text. I have presented more than three dozen 40-hour courses on fracture mechanics and damage tolerance analysis, so that I have probably more experience in teaching the subject than anyone else. I learned more than the students, and became cognizant of difficulties and of the real concerns in applications. In particular I found, how a subject should be explained to appeal to the practicing engineer to demonstrate that his practical problem can indeed be solved with engineering methods. This experience is reflected in the presentations in this book. Sufficient background is provided for an understanding of the issues, but pragmatism prevails. Mathematics cannot be avoided, but they are presented in a way that appeals to insight and intuition, in lieu of formal derivations which would show but the mathematical skill of the writer.

Book Information

Paperback: 522 pages

Publisher: Springer; Softcover reprint of the original 1st ed. 1989 edition (October 4, 2013)

Language: English

ISBN-10: 0792302230

ISBN-13: 978-0792302230

Product Dimensions: 6.1 x 1.2 x 9.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (2 customer reviews)

Best Sellers Rank: #2,192,491 in Books (See Top 100 in Books) #72 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Fracture Mechanics](#) #173

[in Books > Engineering & Transportation > Engineering > Materials & Material Science > Strength of Materials](#) #241 in [Books > Engineering & Transportation > Engineering > Materials & Material Science > Testing](#)

Customer Reviews

Happy. Book is easily understood with minimal math required - but there is some explanatory math.

Good book.

[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 The Practical Use of Fracture Mechanics Finnie's Notes on Fracture Mechanics: Fundamental and Practical Lessons Practical Fracture Mechanics for Structural Steel Deformation and Fracture Mechanics of Engineering Materials Principles of Fracture Mechanics Fracture Mechanics: Fundamentals and Applications, Second Edition Elementary engineering fracture mechanics Fracture Mechanics Fracture Mechanics, Second Edition Introduction to Fracture Mechanics Advanced Fracture Mechanics (Oxford Engineering Science Series) Fundamentals of Fracture Mechanics Analytical Fracture Mechanics (Dover Civil and Mechanical Engineering) Fracture Mechanics: Fundamentals and Applications, Third Edition Evernote for your Life | A Practical Guide for the Use of Evernote in Your Everyday Life [2014 Edition]: A Practical Guide for the Use of Evernote in Your Everyday Life Use Now Dollhouse Wallpaper Vol 3: 6 Ready To Use Dollhouse Wallpapers To Decorate 6 Rooms; Full Color! (Use Now Dollhouse Series) 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)

[Dmca](#)