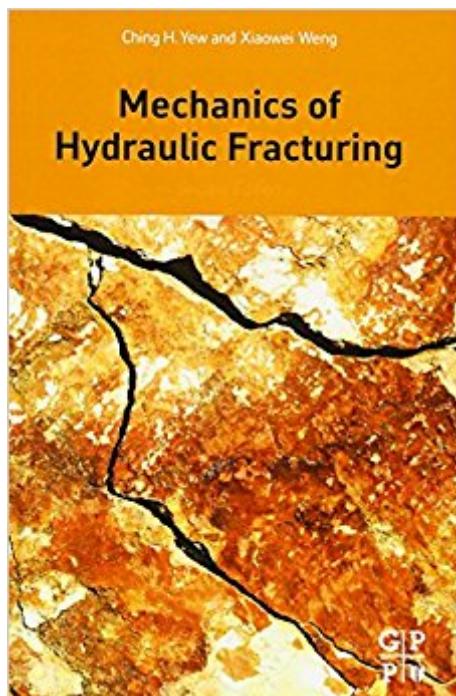


The book was found

Mechanics Of Hydraulic Fracturing, Second Edition



Synopsis

Revised to include current components considered for todayâ™s unconventional and multi-fracture grids, Mechanics of Hydraulic Fracturing, Second Edition explains one of the most important features for fracture design • the ability to predict the geometry and characteristics of the hydraulically induced fracture. With two-thirds of the worldâ™s oil and natural gas reserves committed to unconventional resources, hydraulic fracturing is the best proven well stimulation method to extract these resources from their more remote and complex reservoirs. However, few hydraulic fracture models can properly simulate more complex fractures. Engineers and well designers must understand the underlying mechanics of how fractures are modeled in order to correctly predict and forecast a more advanced fracture network. Updated to accommodate todayâ™s fracturing jobs, Mechanics of Hydraulic Fracturing, Second Edition enables the engineer to:

- Understand complex fracture networks to maximize completion strategies
- Recognize and compute stress shadow, which can drastically affect fracture network patterns
- Optimize completions by properly modeling and more accurately predicting for todayâ™s hydraulic fracturing
- Discusses the underlying mechanics of creating a fracture from the wellbore
- Enhanced to include newer modeling components such as stress shadow and interaction of hydraulic fracture with a natural fracture, which aids in more complex fracture networks
- Updated experimental studies that apply to todayâ™s unconventional fracturing cases

Book Information

Hardcover: 244 pages

Publisher: Gulf Professional Publishing; 2 edition (October 3, 2014)

Language: English

ISBN-10: 0124200036

ISBN-13: 978-0124200036

Product Dimensions: 6 x 0.7 x 8.9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,003,949 in Books (See Top 100 in Books) #31 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Fracture Mechanics #256 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Fossil Fuels > Petroleum #4200 in Books > Engineering & Transportation > Engineering > Mechanical

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

The Hydraulics Manual: Includes Hydraulic Basics, Hydraulic Systems, Pumps, Hydraulic Actuators, Valves, Circuit Diagrams, Electrical Devices, Troubleshooting and Safety (Mechanics and Hydraulics) Mechanics of Hydraulic Fracturing, Second Edition Mechanics of Hydraulic Fracturing Fracking 101: A Beginner's Guide to Hydraulic Fracturing Hydraulic Fracturing Chemicals and Fluids Technology 2013 Complete Guide to Hydraulic Fracturing (Fracking) for Shale Oil and Natural Gas: Encyclopedic Coverage of Production Issues, Protection of Drinking Water, Underground Injection Control (UIC) Syriaâ™s Uprising and the Fracturing of the Levant (Adelphi series) Nuclear Systems Volume I: Thermal Hydraulic Fundamentals, Second Edition Biofluid Mechanics, Second Edition: An Introduction to Fluid Mechanics, Macrocirculation, and Microcirculation (Biomedical Engineering) Computational Fluid Mechanics and Heat Transfer, Second Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Engineering Mechanics: Statics Plus MasteringEngineering with Pearson eText -- Access Card Package (14th Edition) (Hibbeler, The Engineering Mechanics: Statics & Dynamics Series, 14th Edition) Fundamentals of Hydraulic Engineering Systems (4th Edition) Fundamentals of Hydraulic Engineering Systems (5th Edition) Hydrology and Hydraulic Systems, Fourth Edition 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) Hydraulic City: Water and the Infrastructures of Citizenship in Mumbai Hydraulic Design of Storm Sewers with a Spreadsheet Hydrology and Hydraulic Systems Fundamentals of Hydraulic Engineering Systems

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)