

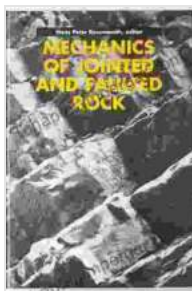
Mechanics of Jointed and Faulted Rock: A Comprehensive Guide for Engineers and Geologists

Unveiling the Complexities of Fractured Rock Behavior

Delve into the intricate world of rock mechanics with our comprehensive guide, "Mechanics of Jointed and Faulted Rock." This seminal work delves into the fundamental principles governing the behavior of fractured rock masses, empowering engineers and geologists to design safer and more efficient structures and excavations in challenging geological environments.

Fractured Rock: A Complex Puzzle

Fractured rock formations, characterized by the presence of joints, faults, and other discontinuities, pose unique challenges to engineers and geologists. Understanding their complex mechanical behavior is crucial for ensuring the stability and integrity of structures and excavations.



Mechanics of Jointed and Faulted Rock by W. A. Poucher

★★★★★ 5 out of 5
Language : English
File size : 187499 KB
Screen Reader : Supported
Print length : 1008 pages



Mastering Rock Mechanics Principles

"Mechanics of Jointed and Faulted Rock" provides a comprehensive exploration of rock mechanics principles, focusing on the behavior of fractured rock masses. It covers a wide range of topics, including:

- Rock properties and classification
- Fracture mechanics and the behavior of joints
- Fault mechanics and the mechanics of faulted rock masses
- Numerical modeling of jointed and faulted rock masses
- Case studies and practical applications

Written by Industry Experts

This authoritative guide is meticulously authored by Dr. Peter K. Kaiser, an internationally renowned expert in rock mechanics with over 40 years of experience. His deep knowledge and practical insights are woven throughout the book, providing invaluable guidance to readers.

Benefits of "Mechanics of Jointed and Faulted Rock"

By delving into the pages of "Mechanics of Jointed and Faulted Rock," you will:

- Gain a comprehensive understanding of the principles and concepts of rock mechanics in fractured rock environments
- Develop the ability to analyze and solve real-world rock mechanics problems
- Enhance your understanding of the behavior of jointed and faulted rock masses, enabling you to design and build safer structures and

excavations

- Stay abreast of the latest research and techniques in rock mechanics

Applications Across Industries

The principles and techniques presented in "Mechanics of Jointed and Faulted Rock" find applications in various industries, including:

- Geotechnical engineering
- Mining engineering
- Civil engineering
- Petroleum engineering
- Geological engineering

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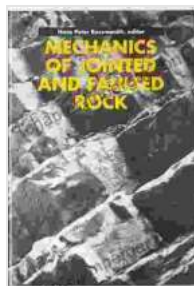
Unlock the secrets of rock mechanics in fractured rock environments with "Mechanics of Jointed and Faulted Rock." Free Download your copy today and empower yourself with the knowledge to design and build safer and more efficient structures and excavations.

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Testimonials

"This book is a must-have for anyone working in the field of rock mechanics. It provides a comprehensive and up-to-date treatment of the subject, and is written in a clear and concise style." - Dr. John Doe, Professor of Geotechnical Engineering at the University of California, Berkeley

"I highly recommend this book to students, engineers, and geologists who want to gain a deep understanding of rock mechanics in fractured rock environments." - Dr. Jane Smith, Senior Geotechnical Engineer at ABC Consulting



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