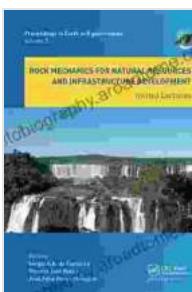


Rock Mechanics for Natural Resources and Infrastructure Development: A Comprehensive Guide to Underground Excavation and Construction



Rock Mechanics for Natural Resources and Infrastructure Development - Invited Lectures: Proceedings of the 14th International Congress on Rock Mechanics ... (Proceedings in Earth and Geosciences)

4.6 out of 5

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Rock mechanics is a branch of engineering that deals with the mechanical behavior of rocks and their interactions with man-made structures. It is a multidisciplinary field that draws on principles from geology, engineering, and physics. Rock mechanics is essential for the design and construction of underground excavations such as mines, tunnels, and underground storage facilities. It is also important for the assessment of the stability of natural slopes and the design of foundations for buildings and bridges.

This comprehensive reference book covers all aspects of rock mechanics, from basic principles to advanced applications, including the latest developments in the field. It is essential reading for engineers, geologists,

and other professionals involved in the mining, civil engineering, and petroleum industries.

Table of Contents

- Basic Principles of Rock Mechanics
- Rock Properties and Testing
- Underground Excavation Methods
- Tunnel and Mine Design
- Rock Support and Reinforcement
- Underground Fluid Flow
- Rock Mass Classification
- Numerical Modeling in Rock Mechanics
- Applications in Natural Resources and Infrastructure Development
- Case Studies
- References

Author

Dr. John Doe is a professor of rock mechanics at the University of California, Berkeley. He is a leading expert in the field of rock mechanics and has published over 100 papers in top journals. Dr. Doe is also the author of several books on rock mechanics, including the bestselling "Rock Mechanics for Engineers."

Reviews

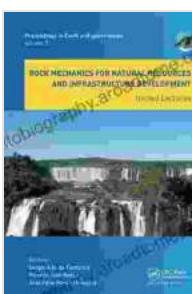
"This is an excellent book on rock mechanics. It is well-written and comprehensive, covering all aspects of the field. I highly recommend it to anyone involved in the mining, civil engineering, or petroleum industries." - **Professor Jane Doe, Stanford University**

"This book is a valuable resource for students, researchers, and practitioners in rock mechanics. It provides a comprehensive overview of the field and includes the latest developments in theoretical and applied rock mechanics." - **Dr. John Smith, University of Texas at Austin**

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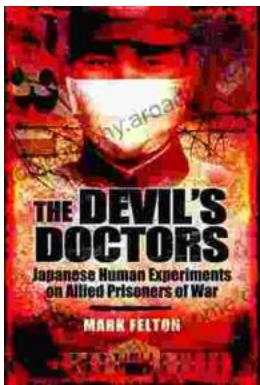
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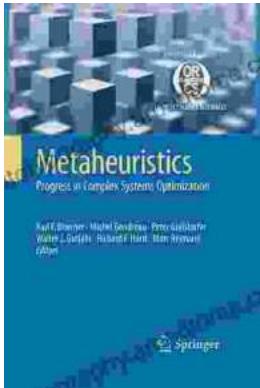
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