



Rock Mechanics: An Introduction

By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das

Download now

Read Online ➔

Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das

Rock mechanics is a multidisciplinary subject combining geology, geophysics, and engineering and applying the principles of mechanics to study the engineering behavior of the rock mass. With wide application, a solid grasp of this topic is invaluable to anyone studying or working in civil, mining, petroleum, and geological engineering. **Rock Mechanics: An Introduction** presents the fundamental principles of rock mechanics in a clear, easy-to-comprehend manner for readers with little or no background in this field.

The text includes a brief introduction to geology and covers stereographic projections, laboratory testing, strength and deformation of rock masses, slope stability, foundations, and more. The authors?academics who have written several books in geotechnical engineering?have used their extensive teaching experience to create this accessible textbook. They present complex material in a lucid and simple way with numerical examples to illustrate the concepts, providing an introductory book that can be used as a textbook in civil and geological engineering programs and as a general reference book for professional engineers.

 [Download Rock Mechanics: An Introduction ...pdf](#)

 [Read Online Rock Mechanics: An Introduction ...pdf](#)

Rock Mechanics: An Introduction

By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das

Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das

Rock mechanics is a multidisciplinary subject combining geology, geophysics, and engineering and applying the principles of mechanics to study the engineering behavior of the rock mass. With wide application, a solid grasp of this topic is invaluable to anyone studying or working in civil, mining, petroleum, and geological engineering. **Rock Mechanics: An Introduction** presents the fundamental principles of rock mechanics in a clear, easy-to-comprehend manner for readers with little or no background in this field.

The text includes a brief introduction to geology and covers stereographic projections, laboratory testing, strength and deformation of rock masses, slope stability, foundations, and more. The authors?academics who have written several books in geotechnical engineering?have used their extensive teaching experience to create this accessible textbook. They present complex material in a lucid and simple way with numerical examples to illustrate the concepts, providing an introductory book that can be used as a textbook in civil and geological engineering programs and as a general reference book for professional engineers.

Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das
Bibliography

- Sales Rank: #2066458 in Books
- Brand: Brand: CRC Press
- Published on: 2012-12-06
- Original language: English
- Number of items: 1
- Dimensions: 9.10" h x .80" w x 6.10" l, 1.25 pounds
- Binding: Hardcover
- 254 pages

 [Download Rock Mechanics: An Introduction ...pdf](#)

 [Read Online Rock Mechanics: An Introduction ...pdf](#)

Editorial Review

Review

"These topics give an excellent introduction to the subject. ... very easy to follow ... A must for all those dealing with civil engineering."

?Prof. D.N. Singh, Indian Institute of Technology Bombay, Mumbai, India

"The book has better coverage of topics relevant to rock engineering, good practical examples, [and it is] written by experts in the area."

?Professor G L Sivakumar Babu, Indian Institute of Science, Bangalore

"I think the topics are very relevant for undergraduates The topics cover basic rock mechanics and deal with subjects most important to practicing engineers. The content provides a good introduction to anyone who is planning to enter the profession. ... It is an excellent book, very useful for engineering undergraduates and graduates. The book is well written and easy to understand, and I am sure it would be a very popular textbook."

?Jay Ameratunga, Senior Principal, Coffey Geotechnics Pty Ltd, Newstead, Queensland, Australia

About the Author

Dr. Nagaratnam Sivakugan is an associate professor and head of civil and environmental engineering at James Cook University, Townsville, Australia. He received his MSCE and Ph.D. from Purdue University, USA. Dr. Sivakugan is a fellow of Engineers Australia, a chartered professional engineer, and a registered professional engineer of Queensland. He does substantial consulting work for geotechnical and mining companies in Australia as well as some overseas organisations including the World Bank. Dr. Sivakugan serves on the editorial boards of the *International Journal of Geotechnical Engineering* and *Indian Geotechnical Journal*. He is the coauthor of 3 books, 7 book chapters, 90 refereed international journal papers, and 60 international conference papers.

Dr. Sanjay Kumar Shukla is an associate professor and program leader of civil engineering at the School of Engineering, Edith Cowan University, Perth, Australia. He has more than 20 years of teaching, research, and consultancy experience in the field of geotechnical and geosynthetic engineering. Dr. Shukla has authored and edited 3 books and 12 book chapters, and 115 research papers and technical articles including 72 refereed journal publications. Currently on the editorial board of the *International Journal of Geotechnical Engineering* and *Indian Geotechnical Journal*, he is a fellow of the Institution of Engineers Australia, and a life fellow of the Institution of Engineers (India) and the Indian Geotechnical Society.

Dr. Braja M. Das is the author of several geotechnical engineering texts and reference books, a number of which have been translated into several languages and are used worldwide. He has authored more than 250 technical papers in the area of geotechnical engineering. Dr. Das is a fellow and life member of the American Society of Civil Engineers as well as an emeritus member of the Committee on Chemical and Mechanical Stabilization of the Transportation Research Board of the National Research Council of the United States. From 1994 to 2006, he served as dean of the College of Engineering and Computer Science at

California State University, Sacramento.

Users Review

From reader reviews:

Rodney Bell:

Have you spare time to get a day? What do you do when you have considerably more or little spare time? Yeah, you can choose the suitable activity to get spend your time. Any person spent their own spare time to take a stroll, shopping, or went to the particular Mall. How about open or even read a book eligible Rock Mechanics: An Introduction? Maybe it is to be best activity for you. You know beside you can spend your time along with your favorite's book, you can more intelligent than before. Do you agree with the opinion or you have different opinion?

Colton Fierros:

Reading a e-book tends to be new life style on this era globalization. With looking at you can get a lot of information that could give you benefit in your life. Having book everyone in this world can easily share their idea. Guides can also inspire a lot of people. Lots of author can inspire all their reader with their story as well as their experience. Not only the story that share in the ebooks. But also they write about advantage about something that you need illustration. How to get the good score toefl, or how to teach your young ones, there are many kinds of book which exist now. The authors these days always try to improve their proficiency in writing, they also doing some study before they write to their book. One of them is this Rock Mechanics: An Introduction.

Clifford Stoner:

Precisely why? Because this Rock Mechanics: An Introduction is an unordinary book that the inside of the book waiting for you to snap it but latter it will distress you with the secret that inside. Reading this book close to it was fantastic author who write the book in such amazing way makes the content on the inside easier to understand, entertaining technique but still convey the meaning totally. So , it is good for you because of not hesitating having this any more or you going to regret it. This phenomenal book will give you a lot of rewards than the other book include such as help improving your skill and your critical thinking method. So , still want to hold off having that book? If I had been you I will go to the guide store hurriedly.

Dora Mohammed:

In this period of time globalization it is important to someone to get information. The information will make anyone to understand the condition of the world. The condition of the world makes the information simpler to share. You can find a lot of referrals to get information example: internet, magazine, book, and soon. You can observe that now, a lot of publisher which print many kinds of book. The particular book that recommended to you personally is Rock Mechanics: An Introduction this e-book consist a lot of the information with the condition of this world now. This kind of book was represented how do the world has grown up. The words styles that writer use to explain it is easy to understand. Often the writer made some

investigation when he makes this book. That is why this book suitable all of you.

**Download and Read Online Rock Mechanics: An Introduction By
Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das
#7AXCK91IBO2**

Read Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das for online ebook

Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das books to read online.

Online Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das ebook PDF download

Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das Doc

Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das Mobipocket

Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das EPub

7AXCK91IBO2: Rock Mechanics: An Introduction By Nagaratnam Sivakugan, Sanjay Kumar Shukla, Braja M. Das