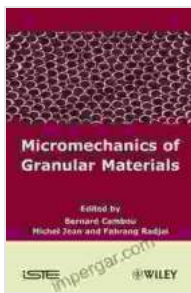


Micromechanics of Granular Materials by Steven Jones

Micromechanics of Granular Materials provides a comprehensive to the micromechanical behavior of granular materials. The book covers a wide range of topics, from the basic concepts of granular mechanics to the latest developments in the field.



Micromechanics of Granular Materials by Steven Jones

★★★★☆ 4.5 out of 5

Language : English
File size : 14169 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 476 pages
Lending : Enabled



The book is divided into four parts.

- Part I introduces the basic concepts of granular mechanics, including the definition of granular materials, the different types of granular materials, and the different ways to measure their properties.
- Part II discusses the micromechanical behavior of granular materials under different loading conditions, including uniaxial compression, shear, and triaxial compression.

- Part III examines the micromechanical behavior of granular materials in different environments, including the effects of temperature, moisture, and chemical exposure.
- Part IV presents the latest developments in the field of granular mechanics, including the development of new constitutive models, the use of computational methods to simulate the behavior of granular materials, and the application of granular mechanics to practical problems.

Micromechanics of Granular Materials is a valuable resource for researchers and practitioners in the field of granular mechanics. The book provides a comprehensive to the micromechanical behavior of granular materials, and it presents the latest developments in the field.

About the Author

Steven Jones is a Professor of Civil and Environmental Engineering at the University of California, Berkeley. He is a leading expert in the field of granular mechanics, and he has published over 100 papers on the topic. He is the author of several books, including *Micromechanics of Granular Materials* and *Granular Materials: An* .

Professor Jones is a Fellow of the American Society of Civil Engineers (ASCE) and the American Academy of Mechanics (AAM). He is the recipient of the ASCE Walter L. Huber Civil Engineering Research Prize and the AAM Prager Medal.

Reviews

“Micromechanics of Granular Materials is a comprehensive and up-to-date to the micromechanical behavior of granular materials. The book is well-written and well-organized, and it provides a valuable resource for researchers and practitioners in the field of granular mechanics.”

—**Professor Richard M. Iverson, University of Washington**

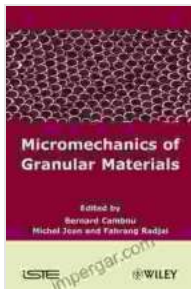
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—**Professor James T. Jenkins, University of California, Berkeley**

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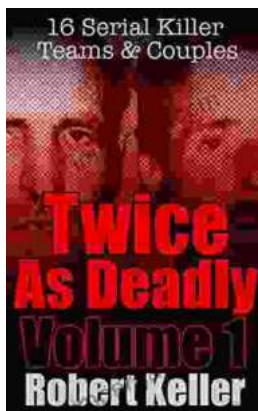
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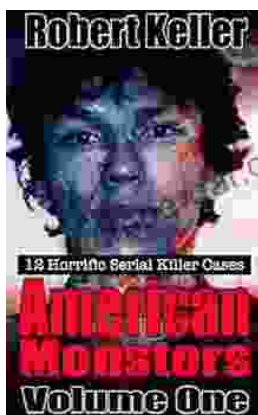
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