Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology)

By John H. Doveton

Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton

The pioneering work of Gus Archie moved log interpretation into log analysis with the introduction of the equation that bears his name. Subsequent developments have mixed empiricism, physics, mathematical algorithms, and geological or engineering models as methods applied to petrophysical measurements in boreholes all over the world. *Principles of Mathematical Petrophysics* reviews the application of mathematics to petrophysics in a format that crystallizes the subject as a subdiscipline appropriate for the workstations of today. The subject matter is of wide interest to both academic and industrial professionals who work with subsurface data applied to energy, hydrology, and environmental issues.

This book is the first of its kind, in that it addresses mathematical petrophysics as a distinct discipline. Other books in petrophysics are either extensive descriptions of tool design or interpretation techniques, typically in an *ad hoc* treatment. It covers mathematical methods that are applied to borehole and core petrophysical measurements to estimate rock properties of fluid saturation, pore types, permeability, mineralogy, facies, and reservoir characterization. These methods are demonstrated by a variety of case studies and summaries of applications. *Principles of Mathematical Petrophysics* is an invaluable resource for all people working with data related to petrophysics.

⬇ **Download** Principles of Mathematical Petrophysics (Internati ...pdf

📄 **Read Online** Principles of Mathematical Petrophysics (Interna ...pdf

Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology)

By John H. Doveton

Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton

The pioneering work of Gus Archie moved log interpretation into log analysis with the introduction of the equation that bears his name. Subsequent developments have mixed empiricism, physics, mathematical algorithms, and geological or engineering models as methods applied to petrophysical measurements in boreholes all over the world. *Principles of Mathematical Petrophysics* reviews the application of mathematics to petrophysics in a format that crystallizes the subject as a subdiscipline appropriate for the workstations of today. The subject matter is of wide interest to both academic and industrial professionals who work with subsurface data applied to energy, hydrology, and environmental issues.

This book is the first of its kind, in that it addresses mathematical petrophysics as a distinct discipline. Other books in petrophysics are either extensive descriptions of tool design or interpretation techniques, typically in an *ad hoc* treatment. It covers mathematical methods that are applied to borehole and core petrophysical measurements to estimate rock properties of fluid saturation, pore types, permeability, mineralogy, facies, and reservoir characterization. These methods are demonstrated by a variety of case studies and summaries of applications. *Principles of Mathematical Petrophysics* is an invaluable resource for all people working with data related to petrophysics.

Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton Bibliography

- Sales Rank: #2003191 in Books
- Published on: 2014-09-01
- Original language: English
- Number of items: 1
- Dimensions: 6.40" h x .70" w x 9.30" l, .0 pounds
- Binding: Hardcover
- 272 pages

Download and Read Free Online Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton

Editorial Review

About the Author

Dr. John Doveton is a Senior Scientist at the Kansas Geological Survey, following work as an Exploration Geologist for Mobil Oil. He has taught petrophysical log analysis at the University of Kansas since 1975, as well as for academia and industry, all over the world. He has been an SPWLA Distinguished Speaker and has written three textbooks in log analysis.

Users Review

From reader reviews:

Charles Carey:

The book Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) can give more knowledge and also the precise product information about everything you want. So just why must we leave the good thing like a book Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology)? A few of you have a different opinion about publication. But one aim in which book can give many details for us. It is absolutely right. Right now, try to closer with the book. Knowledge or data that you take for that, it is possible to give for each other; you are able to share all of these. Book Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) has simple shape however you know: it has great and big function for you. You can appear the enormous world by start and read a e-book. So it is very wonderful.

Lily Sawyers:

Nowadays reading books be than want or need but also become a life style. This reading habit give you lot of advantages. Advantages you got of course the knowledge your information inside the book that will improve your knowledge and information. The details you get based on what kind of reserve you read, if you want have more knowledge just go with education and learning books but if you want truly feel happy read one along with theme for entertaining such as comic or novel. The Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) is kind of guide which is giving the reader unpredictable experience.

Kristy Abrahams:

This Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) is completely new way for you who has fascination to look for some information given it relief your hunger of information. Getting deeper you upon it getting knowledge more you know or else you who still having little digest in reading this Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) can be the light food for you

personally because the information inside this kind of book is easy to get by simply anyone. These books acquire itself in the form which is reachable by anyone, yep I mean in the e-book type. People who think that in reserve form make them feel sleepy even dizzy this reserve is the answer. So there is absolutely no in reading a reserve especially this one. You can find actually looking for. It should be here for a person. So , don't miss the item! Just read this e-book style for your better life and also knowledge.

Gary Games:

As a student exactly feel bored for you to reading. If their teacher expected them to go to the library or to make summary for some e-book, they are complained. Just very little students that has reading's heart or real their pastime. They just do what the educator want, like asked to the library. They go to right now there but nothing reading very seriously. Any students feel that looking at is not important, boring and also can't see colorful pictures on there. Yeah, it is to get complicated. Book is very important for yourself. As we know that on this period of time, many ways to get whatever we really wish for. Likewise word says, many ways to reach Chinese's country. So , this Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) can make you sense more interested to read.

Download and Read Online Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton #VR136XKFBTM

Read Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton for online ebook

Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton 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 Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton books to read online.

Online Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton ebook PDF download

Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton Doc

Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton Mobipocket

Principles of Mathematical Petrophysics (International Association for Mathematical Geology Studies in Mathematical Geology) By John H. Doveton EPub