



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

John H. Doveton

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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.

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