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Fractals and Dynamic Systems in Geoscience (Pageoph Topical Volumes)

By -

Birkhäuser. Paperback. Condition: New. 380 pages. Dimensions: 0.0in. x 0.0in. x 0.0in. Chaotic dynamic systems and non-linear processes, together with the resulting fractals and multifractals, are fundamental for analyzing data and understanding processes in the Earth and Environmental Sciences. Many processes and phenomena, poorly recognized only a few years ago, now can be studied and understood with the help of conceptual models from the fields of fractals and dynamics systems. This represents a bold step towards understanding how planet Earth works. The twenty-one papers presented in this volume reflect the state of fundamental and applied research on fractals and dynamic systems in Geoscience, from magma dynamics to geomorphology, from seismology to space science. The volume is of interest to scientists using fractals, multifractals, non-linear dynamics and chaos theory for analyzing complex datasets, as those arising from geological and geophysical processes. Postgraduate students and students in various fields of geoscience as well as physics and applied mathematics will also find the book to be a valuable resource for a clear view of the leading-edge research on fractals and dynamic systems in Geoscience. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



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