



DOWNLOAD



Mathematical Modeling of Earth's Dynamical Systems: A Primer

By Rudy Slingerland, Lee Kump

Princeton University Press, United States, 2011. Paperback. Book Condition: New. 202 x 126 mm. Language: English . Brand New Book. Mathematical Modeling of Earth's Dynamical Systems gives earth scientists the essential skills for translating chemical and physical systems into mathematical and computational models that provide enhanced insight into Earth's processes. Using a step-by-step method, the book identifies the important geological variables of physical-chemical geoscience problems and describes the mechanisms that control these variables. This book is directed toward upper-level undergraduate students, graduate students, researchers, and professionals who want to learn how to abstract complex systems into sets of dynamic equations. It shows students how to recognize domains of interest and key factors, and how to explain assumptions in formal terms. The book reveals what data best tests ideas of how nature works, and cautions against inadequate transport laws, unconstrained coefficients, and unfalsifiable models. Various examples of processes and systems, and ample illustrations, are provided. Students using this text should be familiar with the principles of physics, chemistry, and geology, and have taken a year of differential and integral calculus. Mathematical Modeling of Earth's Dynamical Systems helps earth scientists develop a philosophical framework and strong foundations for conceptualizing...



READ ONLINE

Reviews

This publication could be worthy of a study, and superior to other. it was writtern extremely perfectly and beneficial. I am just easily could possibly get a delight of reading through a published pdf.

-- Prof. Bernie Torphy

I just started off reading this article ebook. It is actually writter in basic words and not confusing. I am just very happy to let you know that this is the best ebook i actually have read through inside my individual daily life and can be he finest ebook for possibly.

-- Dayne Johns