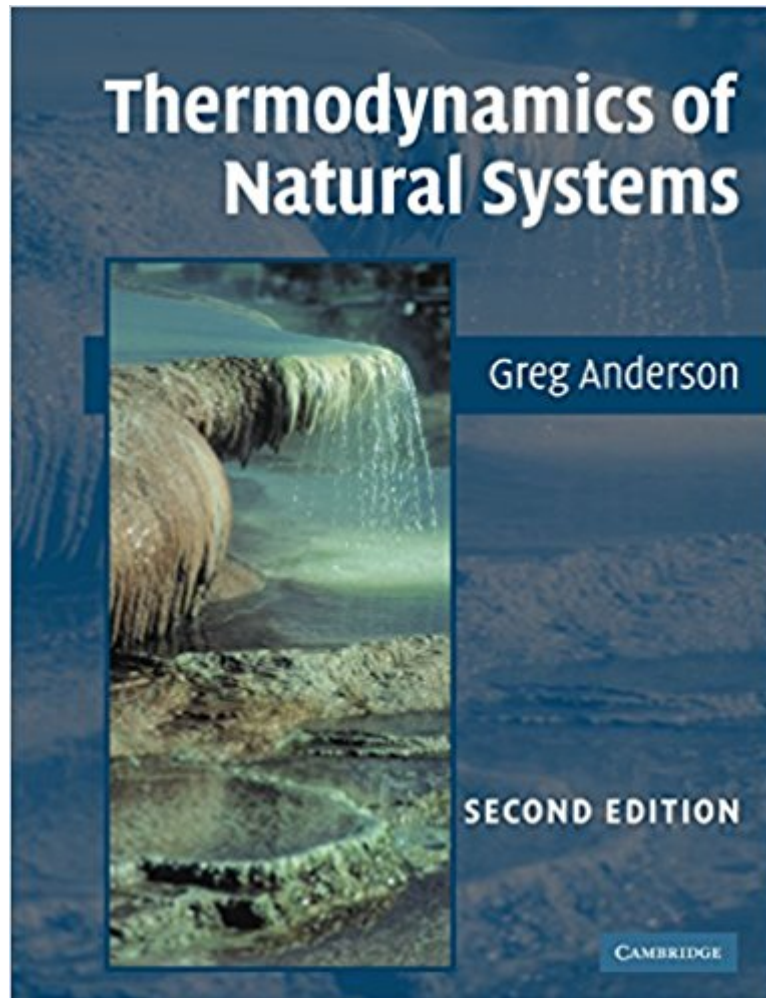




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Thermodynamics Of Natural Systems



Synopsis

Thermodynamics deals with energy levels and the transfer of energy between states of matter, and is therefore fundamental to all branches of science. This new edition is specifically tailored to the interests of the Earth sciences, and emphasizes throughout the use of thermodynamics to construct mathematical simulations of real systems. Many computer programs are mentioned and used throughout the text, especially SUPCRT92, a widely used source of thermodynamic data. An associated website includes links to useful information sites, computer programs and problem sets.

Book Information

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Customer Reviews

'This is an excellent text of use to earth science senior undergraduates and graduates that need to develop a thorough understanding of thermodynamics.' Geoscientist

A greatly expanded edition of an excellent textbook specifically tailored for Earth scientists. Beginning with fundamental concepts, it gradually builds to an advanced treatment of natural systems using mathematical concepts in an intuitive way. Ideal for advanced undergraduate and graduate students in geology, geochemistry, geophysics and environmental science.

This is a thorough and rigorous but pleasantly readable account that develops fundamental concepts and introduces the field from a working researcher's-eye-view with substantial emphasis on computational packages where appropriate. Experiment, historical development, and other interesting quirks are included to make the book a good resource for a complete neophyte trying to

learn about this field beyond just the problem solving. My only beef is that the book isn't better indexed.

It came on time and it was like it was brand new!

Good but not quite what I was looking for.

This is the best book ever written about anything ever. Mind you, I'm a geochemist so I might be biased. However, if you are looking for a comprehensive work that both explains natural systems while attempting to quantify these complex systems using actual math, this is the book to purchase. It makes an excellent supplement to your required geochemistry textbook if you are taking the course. Be aware that it is advanced level and quite full of equations. I don't trust books of this nature which aren't full of actual physics, but if you're just looking for a light book on natural systems... why did you pick up a book with "thermodynamics" in the title?

Probably the best book on thermodynamics I've ever read. Very friendly language, straight to the point, very good examples. The author has done an outstanding job.

This book is a comprehensive textbook for geologists, geochemists after the book written by Wood and Fraser. It is easy to understand and mainly can be used for a text book in low temperature geochemistry courses. Dr Anderson did a great job by writing this book.

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