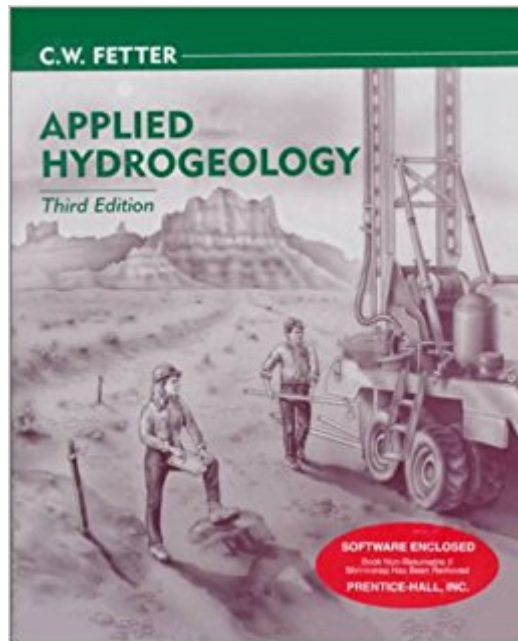




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Applied Hydrogeology



Synopsis

This best selling book, Applied Hydrogeology gives readers a balanced examination of all facets of hydrogeology. It text stresses the application of mathematics to problem solving rather than derivation of theory. It provides a balance between physical and chemical hydrogeology. Numerous case studies cultivate reader understanding of the occurrence and movement of ground water in a variety of geologic settings. This valuable reference includes five new case histories: The Dakota Aquifer, Fractures Sedimentary Rocks, Newark basin, Faults as Aquifer Boundaries, Desert Hydrology, Azraq basin, Jordan. Uses the Internet to obtain hydrogeologic data and information. Includes well-developed case studies in most of the chapters. Contains tables covering various functions, unit conversions, and additional data for solving well hydraulics, water chemistry, and contaminant transport problems. For readers interested in advanced hydrology, groundwater hydrology, hydrogeology, and civil engineering.

Book Information

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Customer Reviews

This text gives students a balanced examination of how each facet of hydrology is related to other geologic fields. The text stresses the application of mathematics to problem solving rather than derivation of theory. Numerous case studies cultivate student understanding of the occurrence and movement of ground water in a variety of geologic settings.

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geologic fields. The book stresses the application of mathematics to problem solving rather than derivation of theory. Numerous case studies cultivate understanding of the occurrence and movement of ground water in a variety of geologic settings. Includes tables covering various functions, unit conversions, and additional data for solving well hydraulics, water chemistry, and contaminant transport problems. Incorporates a new introduction to the methods of problem solving using dimensional analysis as well as a discussion of significant digits. A new section examines the work and discusses the responsibilities of field hydrologists. A disk, bound into the book, introduces the use of computers in hydrology and helps build calculation and problem solving skills.

Fast shipping, clean copy

The book had a couple of marks (some very minor highlighting and writing in pencil) that was not mentioned on the description when I purchased the book, but the retailer notified me and upgraded the shipping at no charge. I appreciated the seller notifying me of this.

I have the 3rd edition which I purchased in 1995 and although I enjoy the subject matter and use this book as a reference, I am still finding errors and making corrections to the textbook (typos in both text and problem sets). Someone should have paid closer attention to detail prior to submission to the publisher. I was going to get the 4th addition to add to my personal library, hoping there would be no errors. However, after a few minutes of research on the internet I found out that there are still errors in the 4th addition. However, the author does have a webpage with corrections posted. I wouldn't recommend this text to anyone unless they have time and are willing to go through the text to make the corrections. There are other texts in print covering the same subject matter with fewer or no errors.

I've used two different groundwater books and I keep coming back to this one. Great examples where every term is defined under the equation. Good case studies, homeworks, the works. A must have for anyone who needs to work with groundwater.

This book rocks! Every needed formula and plenty of examples too

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