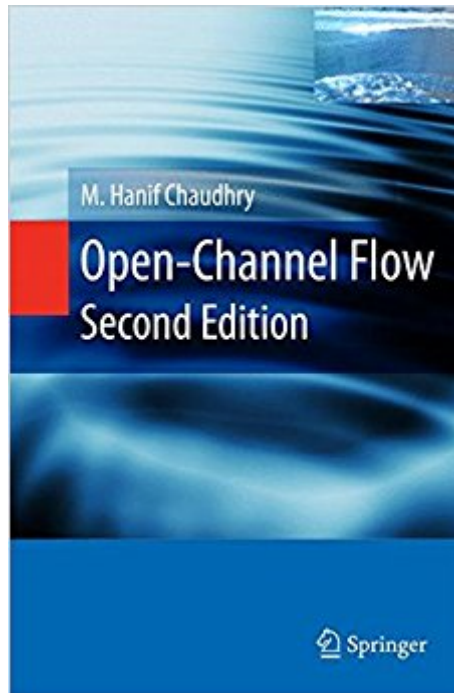




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Open-Channel Flow



Synopsis

Open Channel Flow, 2nd edition is written for senior-level undergraduate and graduate courses on steady and unsteady open-channel flow. The book is comprised of two parts: Part I covers steady flow and Part II describes unsteady flow. The second edition features considerable emphasis on the presentation of modern methods for computer analyses; full coverage of unsteady flow; inclusion of typical computer programs; new problem sets and a complete solution manual for instructors.

Book Information

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Customer Reviews

From the reviews of the second edition: "Analysis of open-channel flows is essential for planning, design and operation of water-resource projects. | The book contains new and updated problems and exercises, a solutions manual for instructors | The book is written for use in senior-level undergraduate and graduate courses on steady and unsteady open-channel flows and for civil engineers which need state-of-the-art information | in the field." (Nina Shokina, Zentralblatt MATH, Vol. 1149, 2008)

Analysis of open-channel flow is essential for the planning, design, and operation of water-resource projects. The use of computers and the availability of efficient computational procedures has simplified such analysis and made it possible to handle increasingly complex systems. In Open-Channel Flow, Second Edition, author Hanif Chaudhry draws upon years of practical experience and incorporates numerous examples and real life applications to provide the reader

with: Numerous applications of efficient solution techniques, computational procedures, and numerical methods suitable for computer analyses; Comprehensive coverage of steady and unsteady flow techniques; New and updated chapters on sediment transport, uniform flow, two dimensional flow techniques and other topics; Updated and new problem sets and exercises; A detailed solutions manual is available to instructors assigning this text as the primary book in the course. Open-Channel Flow, Second Edition is written for advanced undergraduate and graduate courses that covers both steady and unsteady open-channel flow.

i was excited to see this book back in print. However, i regret purchasing it. The content is very similar to the old 1993 edition, which is generally very good. i did find mistakes in a few formulas when comparing to the old edition. When i contacted Springer about this, i got a generic response that they would notify the author and an errata would be posted on the Springer website. This has yet to appear. Also, the index is a joke. You can view it on . Take a look at say "finite difference" and view one of the worst editing jobs ever. Not what i would expect from a Springer publication. On the plus side, there is a new chapter on sediment transport.

Thanks item as described.

The book is helpful, but I feel that the author leaves out much of the derivations and concepts behind the material. It is hard to intuit much the way the material is presented. I would recommend Open Channel Hydraulics by Chow (1959) over this book, or as an accompaniment to it.

This course was a bit difficult to comprehend, but after coming back to it for reference, I was able to gain a deeper appreciation of it. The computation fluid dynamics section was pretty helpful.

it's a very good book, like new, as never been used before, there is not any damage of the book, I will not hesitate to buy another if I need one more

As described in the website as well as in book's preface a CD-ROM with short computer programs are provided. I have purchased the book in .com, but I did not receive the CD...

I was very disappointed in the quality of this book. The book did not come with a CD as the description indicates and the binding split from the hardcover 6 weeks into my class. This book also

does not have very many worked examples showing the implementation of the theory, which some students find useful and the textbook does not seem to have a student solutions manual. Since I am pursuing a MS online, having resources such as a solutions manual would have been helpful when professors and peers are not readily accessible.

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