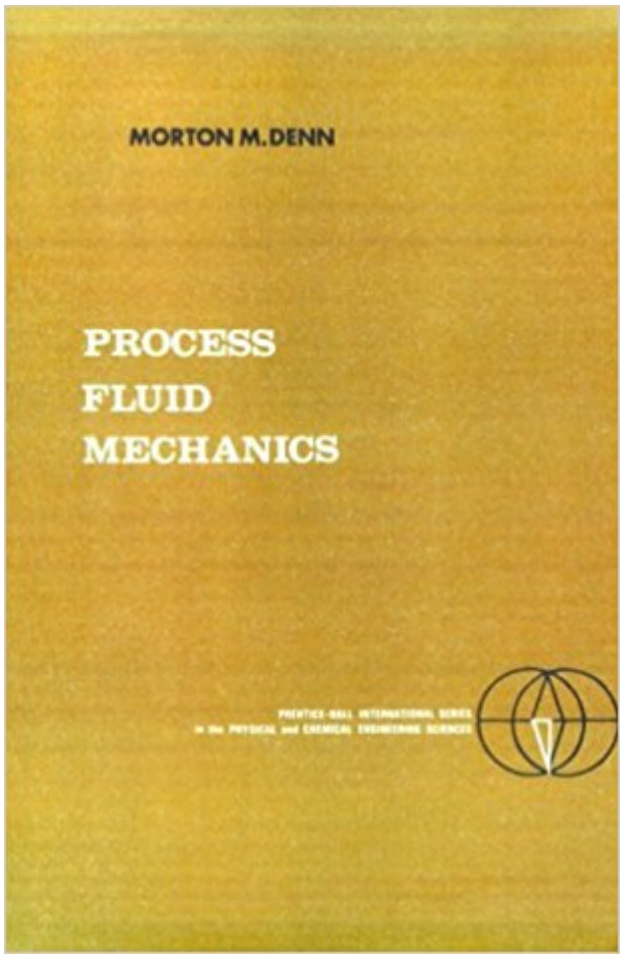
Process Fluid Mechanics, (Prentice-Hall International Series In The Physical And Chemical Engineering Sciences)



Synopsis

An applications-oriented introduction to process fluid mechanics. Provides an orderly treatment of the essentials of both the macro and micro problems of fluid mechanics.

Book Information

Paperback: 383 pages

Publisher: Prentice Hall; Facsimile edition (November 11, 1979)

Language: English

ISBN-10: 0137231636

ISBN-13: 978-0137231638

Product Dimensions: 6 x 1 x 9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 3.7 out of 5 stars 10 customer reviews

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Customer Reviews

An applications-oriented introduction to process fluid mechanics. Provides an orderly treatment of the essentials of both the macro and micro problems of fluid mechanics.

since I am graduate student in mechanical engineering dept. this book is kind of refresh for fluid mechanics problems. By the way, the author is chemical engineer.NOTE: this book is not an introduction to fluid mechanics. So, unless you are familiar with advanced fluid mechanics, buy this book.

Good book! Good condition!

Worse condition than expected

My Process Fluid Mechanics book was n great condition. It looked like it was brand new. I ended up saving money buying it from rather than buying it from the school book store.

The book took the whole two weeks to arrive, but still arrived on time. Used book is in good condition with only some underlining and notes written inside. Great Deal!

Denn's text is much shorter than most introductions to fluid mechanics, but he seems to have left out all of the material that would make the topic interesting and accessible to the novice. The topics are well-ordered and have a logical progression, but almost all of the explanatory matter is missing. It is extremely difficult to get a conceptual understanding of fluid dynamics by looking at page after page of variable manipulation. In addition, the index is so incomplete as to be useless; most of the terms one would look up are not listed, or point only to the page where it was cursorily defined.That said, this book can be salvaged for a class by a professor who is skilled at conveying concepts (rather than just equations.) I also suspect this book would be useful as a reference for those who have already learned the fundamental material. However, I recommend that the novice look elsewhere for a satisfactory introduction to fluid mechanics.

Denn's book is an excellent introductory text for chemical engineering fluid mechanics. The book starts off with the basics of dim-analysis and proceeds into macro and then micro problems. This is a very logical ordering and allows the student to see the subject from a broader perspective instead of getting bogged down in the systematics of the problems themselves. A careful reading is definitely needed to get the most out of the book, though. And the section on turbulence is a bit unclear. Overall, though, a good book to keep for many years to come as a chem eng.

Denn's book manages to address the key fluid mechanics topics of relevance to chemical engineering, such as microscopic balances, lubrication approx., dimensional analysis, & creeping flow. This textbook is used at leading institutions such as UC Berkeley, MIT, Princeton, & Cornell. Using BSL as a reference for fully worked out examples and problems, Denn's textbook covers essential material for graduate school and industrial research.

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