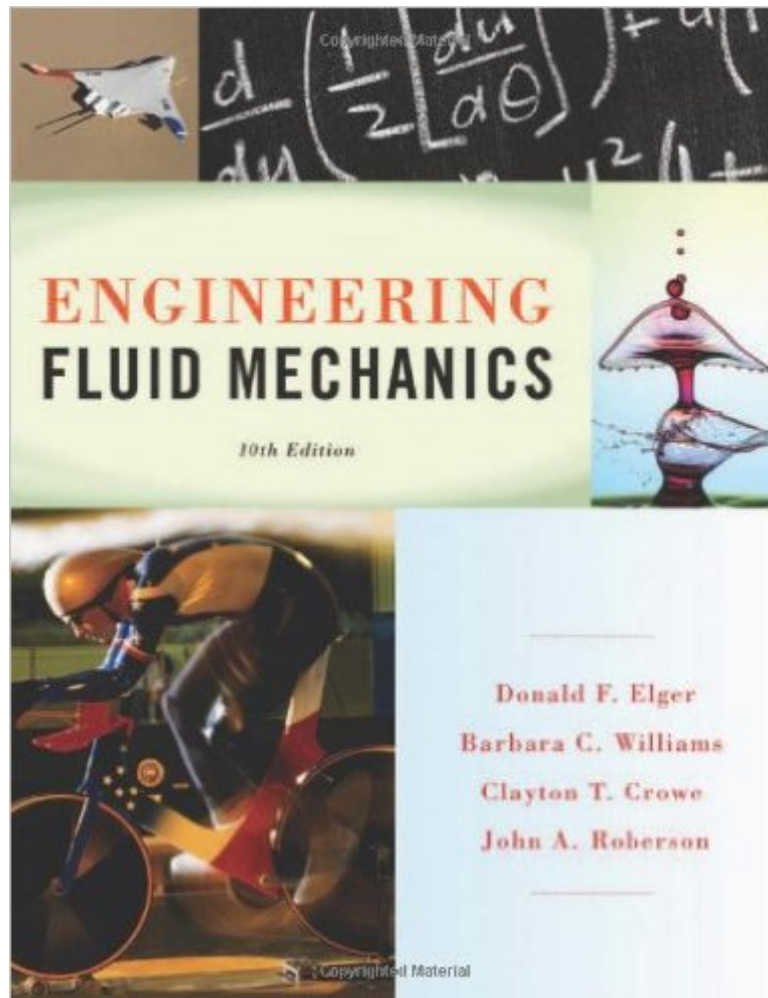


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# Engineering Fluid Mechanics



## Synopsis

Written by dedicated educators who are also real-life engineers with a passion for the discipline, *Engineering Fluid Mechanics*, 10th Edition, carefully guides students from fundamental fluid mechanics concepts to real-world engineering applications. The Tenth Edition and its accompanying resources deliver a powerful learning solution that helps students develop a strong conceptual understanding of fluid flow phenomena through clear physical descriptions, relevant and engaging photographs, illustrations, and a variety of fully worked example problems. Packed with more than 1,100 problemsâincluding open-ended design problems and computer-oriented problemsâthis text offers ample opportunities for students to apply fluid mechanics principles as they build knowledge in a logical way and enjoy the journey of discovery.

## Book Information

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Average Customer Review: 3.5 out of 5 starsÂÂ See all reviewsÂ (22 customer reviews)

Best Sellers Rank: #127,755 in Books (See Top 100 in Books) #21 inÂ Books > Engineering & Transportation > Engineering > Chemical > Fluid Dynamics #74 inÂ Books > Science & Math > Physics > Dynamics #76 inÂ Books > Science & Math > Physics > Mechanics

## Customer Reviews

I've been a professor of mechanical engineering for thirty years. I've taught fluid mechanics from a number of different texts, but this is my first experience with the Elger et al. While the book is generally well-written and clear, it is rife with mistakes and errors. This problem extends to the solutions manual as well. I do not understand how a book in its 10th edition can still be full of mistakes. This is absolutely inexcusable for a text from a major publisher. The editors should be ashamed. I think a much better choice for a text would be Fox & McDonald or Munson et al.

I'm the teaching assistant for a Fluid Mechanics course and we're currently using this textbook. Content-wise, the book is fine. Basic topics are covered clearly and explained nicely, and the

figures/drawing compliment the text. However, the significant number of errors detracts from the book's utility. Errors like:-Lengths/velocities given in the problem statement do not match the accompanying figure-Answers in the back of the book do not match the solution-The answer key uses the wrong length/velocity or makes mathematical mistakesBecause of this, my students have difficulty trusting the solution in the back of the book, and are confused if their solution doesn't match the book solution. If the students don't trust the book, then the book isn't really that useful. I can't seem to find a list of errata on the Wiley website either.In total it's good for the tables of fluid properties and the Moody chart, but that's about it.

I took fluid mechanics as a junior with this textbook. First off, there are a surprisingly large number of errors in the book, including writing mistakes and errors in the example problems. The layout and color scheme of the text are dull and unimaginative. Despite these issues, the text overall was solid and the most important topics were well-covered. Still, considering the number of mistakes for such a late edition, I would avoid this text.

I purchased the e-book copy of this text book for my Fluid Mechanics class this semester. The chapters are all in the same order and format as in the physical book and each page is the exact same, to my knowledge. So far I have learned quite a bit of Fluid Mechanics, but I still have much of the book to go since I am only 3 weeks into the semester. I've found the chapters to be fairly easy to read and understand and have not found any problems with the practice problems that I have completed. My only complaint about the e-book copy is that some of the tables and figures that are normally in the front of the physical book have been moved to the back of the e-book and are a little difficult to find. This wouldn't be as big of a problem if the problems did not require these tables and figures as often as they do. All in all the e-book beats buying the textbook at the school store for \$200.

This book has a lot of typos and misprints. For example a problem picture will show, 10 m/s, but the problem description says 8 m/s. Quite a few mismatches between problem diagrams and descriptions. It has some good problems, but isn't the best at explaining principles.Its okay, at best.

The book is well written but FULL of errors!!! unless you really need to, I would just buy the previous edition.

Great fluids text, detailed example problems that are very similar to homework problems. I think it's organized fairly decent too. There are great summary pages at the end of each chapter containing all the need to know information and equations.

Good book for fluid dynamics study . Does however skip multiple lines of integration making some equations confusing on how they were derived.

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