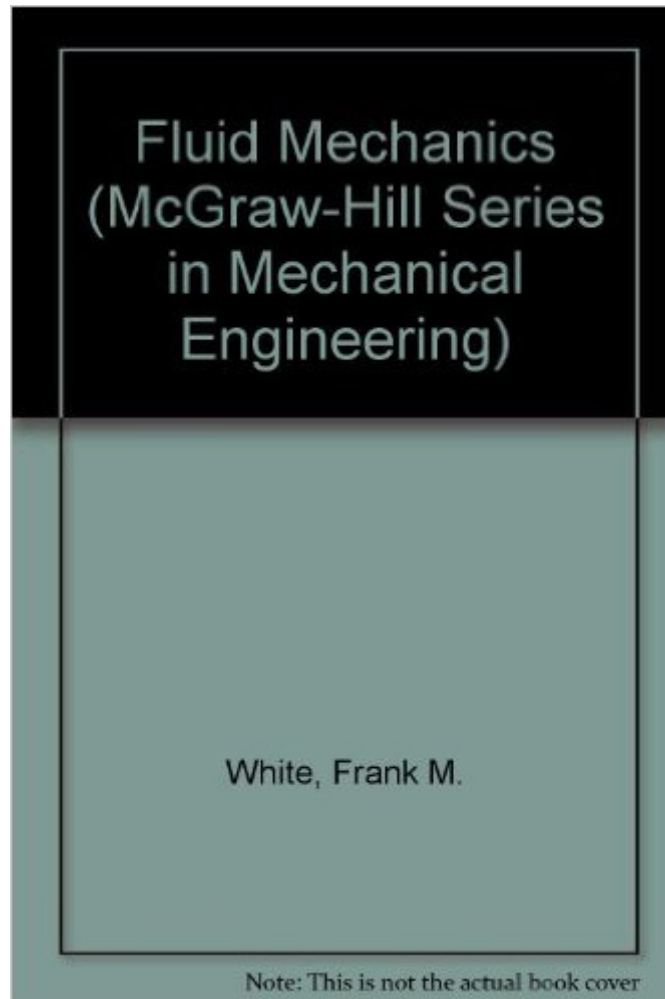


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Fluid Mechanics (McGraw-Hill Series In Mechanical Engineering)



Synopsis

Given a modern, updated design, this edition comes complete with 500 new problems, split into different fundamental, applied, design and word categories.

Book Information

Series: McGraw-Hill Series in Mechanical Engineering

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Average Customer Review: 3.7 out of 5 stars [See all reviews](#) (18 customer reviews)

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Customer Reviews

I learned fluid mechanics from this book in college, tutored undergraduates with the help of this book in grad school, and used it as a reference for my advanced fluids class. In all cases, it was clearer and more understandable than other references I was recommended. I'm not saying this book is perfect - the description of the Navier Stokes equations, a fundamental concept in fluid mechanics, skips too many mathematical steps, as White is prone to do - but overall, if you are strong enough in math, this is a very good reference/first time book for fluid mechanics. White also has a good more advanced text on viscous fluid flow. If you are learning fluid mechanics for the first time, I would also recommend a Schaum's outline to supplement your textbook.

We used the White text as our introductory to Fluids course, and as an engineering student, I feel this is one of the most resourceful and informative texts I own. The material is broad and inclusive at the same time, with excellent example problems and relevant summary problems. It also is suited for some work in more advanced fluid courses, as it includes topics such as cavitation and shockwaves. I reference it all the time. Really made the coursework easier.

I was a part time instructor over the summer at a certain university in Midwest and found this book extremely difficult to teach from. Though the equations are correct and elegant but author makes huge leaps from the mathematical vector equations in theory to simplified equations in an inconsistent manner. This makes instructors' life hard as he has to fill in missing steps for many solved problems in the book. After reviewing all the undergrad textbooks on fluid mechanics, I would recommend people to use Introduction to Fluid Mechanics by Fox and McDonald. This book can be easily read and followed by the student while leaving instructor(like myself) for more time to elaborate on theory in detail.

I was taught using this text book, and now, as an experience fluid process engineer, I highly recommend it for those who are starting into the field for Mechanical or Fluid Process Engineering and have a strong desire to learn about thermal processing and fluid systems! Great book! I refer to it daily in my work!

This book has got almost all the basic principles of fluid mechanics that an Engineer require. The way the author presented the theories is excellent. I have found it very useful for my PhD work.

I am a mechanical engineering student. We used this book in the first course of fluid mechanics. Many of my classmates and I find this book difficult to read and follow. The author has the reader constantly jumping around the book with 'internal references'. In other words, while reading chapter 3 the author references chapter 6,7,4,2,1. The reader is constantly turning pages. Our dissatisfaction with the book has taken us to the library to find old texts on this subject so we can learn the material covered in this book.

I was a part time instructor over the summer at a certain university in Midwest and found this book extremely difficult to teach from. Though the equations are correct and elegant but author makes huge leaps from the mathematical vector equations in theory to simplified equations in an inconsistent manner. This makes instructors' life hard as he has to fill in missing steps for many solved problems in the book. After reviewing all the undergrad textbooks on fluid mechanics, I would recommend people to use Introduction to Fluid Mechanics by Fox and McDonald. This book can be easily read and followed by the student while leaving instructor(like myself) for more time to elaborate on theory in detail.

Text was in great condition. I had Whites graduate level text when in school and found that it had poor illustrations and a few errors. This book has much better illustrations and I am sure the errors have been eliminated.

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