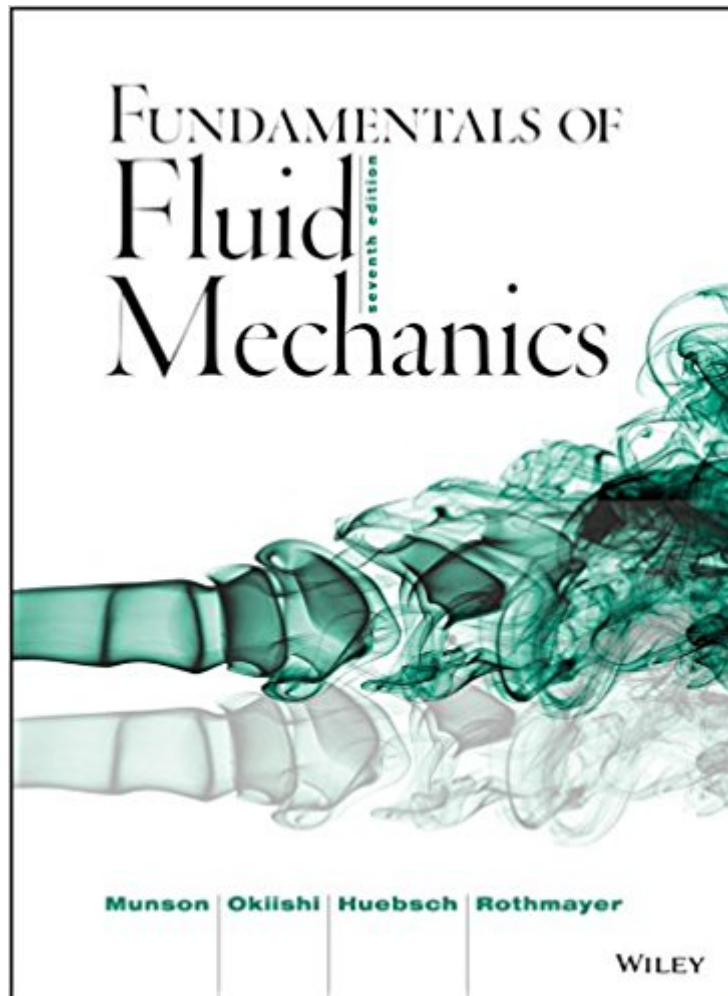




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Fundamentals Of Fluid Mechanics



Synopsis

Fundamentals of Fluid Mechanics, 7th Edition offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. The authorsTM have designed their presentation to enable the gradual development of reader confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed. Continuing this book's tradition of extensive real-world applications, the 7th edition includes more Fluid in the News case study boxes in each chapter, new problem types, an increased number of real-world photos, and additional videos to augment the text material and help generate student interest in the topic. Example problems have been updated and numerous new photographs, figures, and graphs have been included. In addition, there are more videos designed to aid and enhance comprehension, support visualization skill building and engage students more deeply with the material and concepts.

Book Information

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Average Customer Review: 4.3 out of 5 stars[^] [^] See all reviews[^] (50 customer reviews)

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Customer Reviews

Offers intuition throughout. I particularly love the fact that not only does it offer insight as far as the physics of fluids go, but also it offers intuition as far as the mathematics of fluids go. Comparing It with one of the giants of fluid mechanics textbooks, which is Cengel and Cimbala's book, I would say that at some points Cengel's book is just a bit more insightful but it is at a lower mathematical level. Now, an engineer/physics major should want this higher mathematical level because it is not overwhelming but it is also not very simple. So, it does not oversimplify the phenomena(like

Cengel does at a few points) and it just hits the right balance. So, someone should choose between a book like this and a book like Cengel's. Someone wanting full explanation of the underlying physics along with subtle point, he should look at other types of textbooks, the ones written by physicists for physicists. For an engineer though, he must choose what he prefers. If he prefers a full knowledge of the underlying mathematics and apply them at a more simple level than the mathematics suggest but not oversimplified, he should go with Munson's book. For somebody who does not care for the full mathematical picture but wants to know the full physics more qualitatively and apply them with simpler mathematics, he should go with Cengel's. Whatever your choice, know that this book is great.

This was a required purchase for a fluid mechanics course in engineering school. I am not a big fan of the book, it gets the point across but it is hard to follow. I found myself using google to find the formulas I needed more than the actual textbook.

This book is okay. Not the most in-depth fluids book I have ever purchased. If you don't need to have an actual hard copy, then just download it from the internet.

The book is fairly usable for self study with plenty of examples. I have no qualms about the quality of the information. However the pages are made of a very cheap-feeling thin newspaper-like stock. They tend to stick together and blur easier. For this price, I would expect a higher quality paper. I would be concerned about the physical longevity of this text.

This textbook is OK at best. It does explain the chapters pretty well, but the examples suck. The author keeps jumping around and then just assumes we know what exactly happens when he gets an answer. There are better Fluids books out there.

Easy to read book. I felt kind of dumb at work because it doesn't cover "Supply Pressure Effect" but that's specific to regulator design. This is the "fundamentals" after all and I'm just a peasant intern :)

I normally don't rate textbooks, but this one deserves it. It is very well written and has a lot of good problems. Examples are a bit poor in that they are a little too easy when compared to the practice problems at the end of the chapter. One of few books I will keep after my class ends.

I'm writing about the eBook edition since it was totally new to me before I bought this. I personally got it since it was much cheaper than the book. You have to download Kindle for your computer and then it downloads the book and you can read it ONLY within the kindle app. The file type is an .azw4 . It is a protected file so that only you can open it from the Kindle App. I don't mind that at all, it makes sense. The part I don't like is the fact that Kindle app for android doesn't support the book. I have the Galaxy Note, which is more than large enough to read a textbook, so it was a little upsetting to not be able to bring my book with me without lugging around my entire laptop. Also you cannot print this book.~~~~~If you don't want to read the above, this is the short and easy version:Pro: CheapCon: Can't view on phoneHave to view from Kindle AppCan't print your own personal copyThere are ways around these problems, I would advise to google it and I'm sure you will find the answers.

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