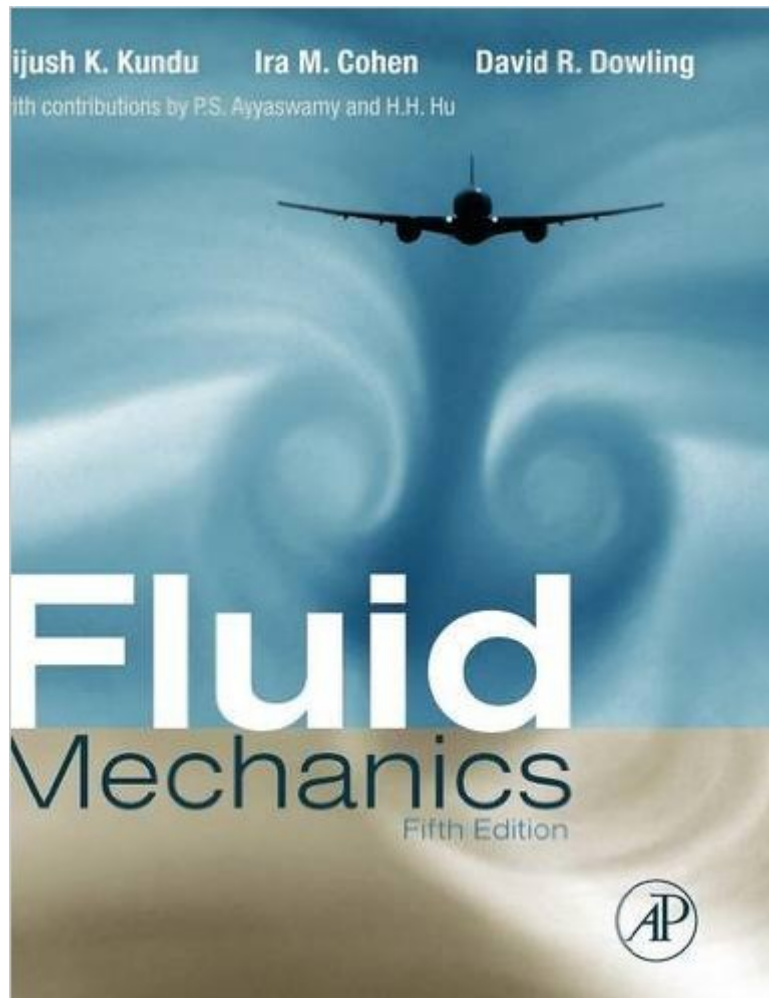


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# Fluid Mechanics, Fifth Edition



## Synopsis

Fluid mechanics, the study of how fluids behave and interact under various forces and in various applied situations—whether in the liquid or gaseous state or both—is introduced and comprehensively covered in this widely adopted text. Revised and updated by Dr. David Dowling, Fluid Mechanics, 5e is suitable for both a first or second course in fluid mechanics at the graduate or advanced undergraduate level. Along with more than 100 new figures, the text has been reorganized and consolidated to provide a better flow and more cohesion of topics. Changes made to the book's pedagogy in the first several chapters accommodate the needs of students who have completed minimal prior study of fluid mechanics. More than 200 new or revised end-of-chapter problems illustrate fluid mechanical principles and draw on phenomena that can be observed in everyday life.

## Book Information

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Average Customer Review: 3.7 out of 5 stars [See all reviews](#) (23 customer reviews)

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## Customer Reviews

Since the professor in our class uses this book for all the problem sets, I decided to buy it. Prior to this I had a copy of the 4th ed from the library which apart from its huge size was a great reference. Ordering the new 5th ed I thought I was going to get the 4th one with some minor tweaking. However this is almost a completely new textbook, its less than half the size of the previous edition with smaller page size - although this is convenient if carrying it to and from class the book is almost useless compared to old one because of all the content that was eliminated. Concepts that are clear in 4th ed are butchered in this newest one, so I would strongly recommended getting the 4th ed if

possible and not to waste your money on this one.

Many concepts/derivations are omitted from the 4th edition and have put it as exercise problems, which is really bad. Moreover, simple formulas are made worst for reading by unnecessary addition of arguments in the bracket for each term. Many concepts are merged in concise text by omitting valuable information. The symbols for many concepts uses different notation than conventional notations followed by many other books hence, needs getting used to, which is not worth at all. I guess all these changes are due to the new author of the book. I would highly recommend 4th edition over this which a real good textbook in every aspect.

Kundu et al. bridges a gap between undergrad level fluids textbooks and specialized topic texts most commonly used in advanced fluids courses. This is a text that covers a broad range of fluid mechanics at an advanced level. I was a fan of previous versions of the text, and I feel that the 5th edition is a noticeable improvement. The presentation of material has been improved and the nomenclature is more consistent.

This is an excellent book and we (my husband and I) were really happy and surprised to find it in Kindle version. Easy to download. Text is great. Our only concern is on regards of equations. Most of the equations are very hard to read in the Kindle version. They seems to be a negative image. And we could not make them bigger for better reading.

This book is fantastic and its content is so complete. This is one of the best book I've ever read in this kind of subject. I will recommend it all the time. I only suggest to improve the cd content. I couldn't see it so well in my laptop with Windows XP.

This is an excellent graduate level fluid mechanics book. In terms of layout, the 5th edition is much more user friendly than the 4th edition (for example, the 5th edition clearly identifies the chapter and section numbers on every other page, while the 4th edition does not ----I found that maddening with the older edition). Besides that, the sequence of topics in the book is very logical and the book does an excellent job rigorously explaining derivations.

This is a great book to graduate students. Is complete and mathematical review is interesting, a great and useful complement!

I have to say that this is the best FM book I own. It somehow manages to combine the basics with advanced topics, in an easy to understand manner with good notation.

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