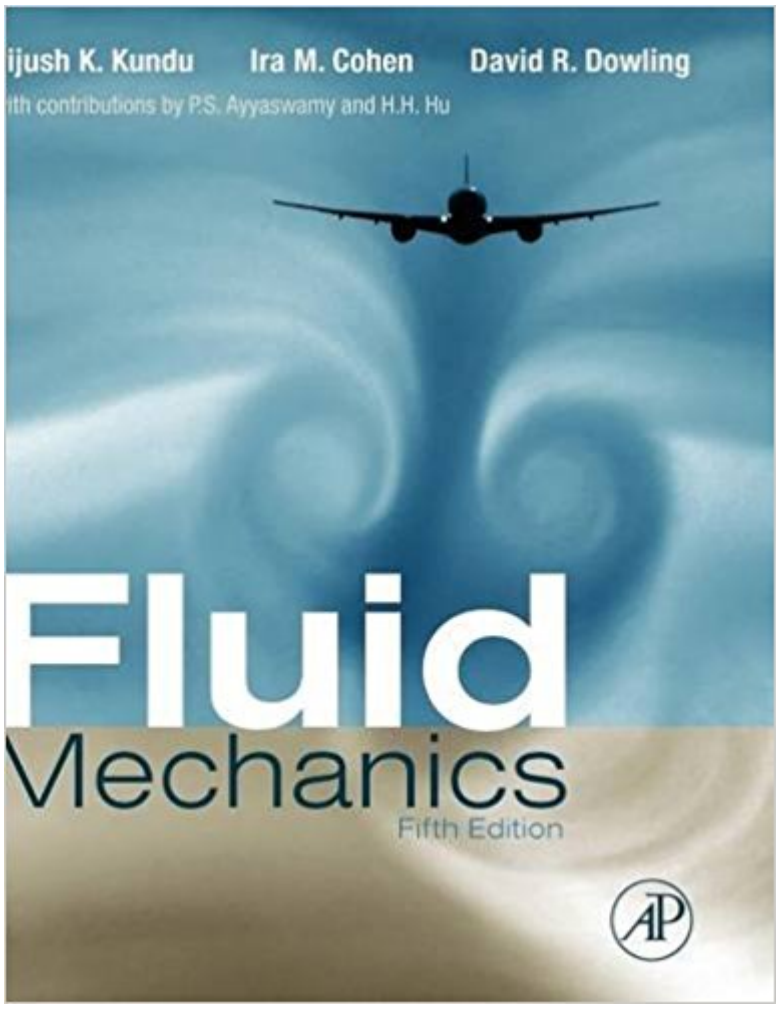
Fluid Mechanics, Fifth Edition



Synopsis

Fluid mechanics, the study of how fluids behave and interact under various forces and in various applied situationsâ •whether in the liquid or gaseous state or bothâ •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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Customer Reviews

While in college, David R. Dowling held summer positions at Hughes Aircraft Co. and the Los Angeles Air Force Station. He completed his doctorate in 1988 at Graduate Aeronautical Laboratories of the California Institute of Technology and moved north to Seattle to accomodate his wife's career in medicine. While there, he worked for a year in the laser technology group at Boeing Aerospace, and then for almost three years as a post-doc at the Applied Physics Laboratory of the University of Washington. In 1992, he accepted a faculty position at the University of Michigan. Prof. Dowling is currently conducting research in acoustics and fluid mechanics. He is a fellow of the

Acoustical Society of America, a member of the American Society of Mechanical Engineers, and a member of the American Physical Society. He is a US citizen. Positions at the University of Michigan : Professor, Sept 2005 to Present Associate Professor, Sept 1999 thru August 2005Assistant Professor, Sept 1992 thru August 1999Visiting Assistant Professor, July 1992 thru August 1992

Overall it’s a good purchase. The book looks nice and the price is fair. However, I thought I pay for a new book and there is still a little pencil marks(although I just found on one page and others looks new).

Kundu et al. bridges a gap between undergrad level fluids textbooks and specialized topic texts most commonly used in advanced fluids coarses. 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.

Personally I did not find this book to be very helpful. The notation is very weird, the wording of the exercises is often vague and to be frank the previous edition had a lot more useful information that for some reason was removed from this edition. This still gets two stars because the book arrived in perfect condition like I ordered it, so kudos to the seller.

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

Yes

Very good!

Biofluid Mechanics, Second Edition: An Introduction to Fluid Mechanics, Macrocirculation, and Microcirculation (Biomedical Engineering) Computational Fluid Mechanics and Heat Transfer, Third Edition (Series in Computational and Physical Processes in Mechanics and Thermal Sciences) Computational Fluid Mechanics and Heat Transfer, Second Edition (Series in Computional and Physical Processes in Mechanics and Thermal Sciences) Fluid Mechanics, Fifth Edition Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice, 4e (Fluid Therapy In Small Animal Practice) Munson, Young and Okiishi's Fundamentals of Fluid Mechanics, 8th Edition Fluid Mechanics for Chemical Engineers with Microfluidics and CFD (2nd Edition) Fluid Mechanics, Sixth Edition Fox and McDonald's Introduction to Fluid Mechanics, 9th Edition Applied Fluid Mechanics, Global Edition Fundamentals of Fluid Mechanics, 7th Edition Applied Fluid Mechanics (6th Edition) Fluid Mechanics and Thermodynamics of Turbomachinery, Seventh Edition Brief Introduction to Fluid Mechanics - text only, 2ND EDITION Fluid Mechanics, Fourth Edition Engineering Fluid Mechanics, 10th Edition Computational Fluid Mechanics and Heat Transfer:2nd (Second) edition Applied Fluid Mechanics (7th Edition) Schaumâ ™s Outline of Fluid Mechanics and Hydraulics, 4th Edition (Schaum's Outlines) Engineering Fluid Mechanics, 11th Edition