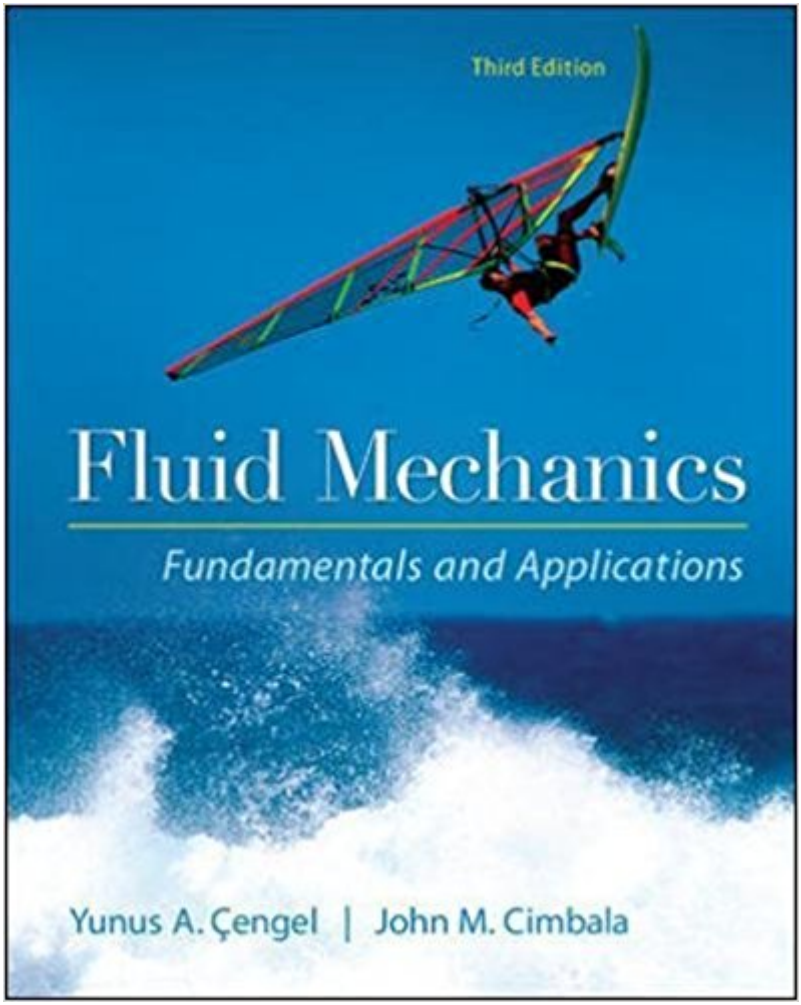
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Fluid Mechanics Fundamentals And Applications (Mechanical Engineering)



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Synopsis

NOTE:This is an Standalone book and does not include Access code.Cengel and Cimbala's Fluid Mechanics Fundamentals and Applications, communicates directly with tomorrow's engineers in a simple yet precise manner. The text covers the basic principles and equations of fluid mechanics in the context of numerous and diverse real-world engineering examples. The text helps students develop an intuitive understanding of fluid mechanics by emphasizing the physics, using figures, numerous photographs and visual aids to reinforce the physics. The highly visual approach enhances the learning of Fluid mechanics by students. This text distinguishes itself from others by the way the material is presented - in a progressive order from simple to more difficult, building each chapter upon foundations laid down in previous chapters. In this way, even the traditionally challenging aspects of fluid mechanics can be learned effectively.

Book Information

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Customer Reviews

Yunus A. Cengel is Professor Emeritus of Mechanical Engineering at the University of Nevada, Reno. He received his B.S. in Mechanical Engineering from Istanbul Technical University and his M.S. and Ph.D. in Mechanical Engineering from North Carolina State University. His areas of interest are renewable energy, energy efficiency, energy policies, heat transfer enhancement, and engineering education. He served as the Director of the Industrial Assessment Center (IAC) at the University of Nevada, Reno, from 1996 to 2000. He has led teams of engineering students to

numerous manufacturing facilities in Northern Nevada and California to perform industrial assessments, and has prepared energy conservation, waste minimization, and productivity enhancement reports for them. He has also served as an advisor for various government organizations and corporations. Dr. Cengel is also the author or coauthor of the widely adopted textbooks Fundamentals of Thermal-Fluid Sciences, Heat and Mass Transfer: Fundamentals and Applications, and Introduction to Thermodynamics, all published by McGraw-Hill Education. Some of his textbooks have been translated into Chinese, Japanese, Korean, Thai, Spanish, Portuguese, Turkish, Italian, Greek, and French. Dr. Cengel is the recipient of several outstanding teacher awards, and he has received the ASEE Meriam/Wiley Distinguished Author Award for excellence in authorship in 1992 and again in 2000. Dr. Cengel is a registered Professional Engineer in the State of Nevada, and is a member of the American Society of Mechanical Engineers (ASME) and the American Society for Engineering Education (ASEE).John Cimbala (University Park, PA) is Professor of Mechanical Engineering at The Pennsylvania State University

This book is hands down the most easily understood undergrad book I've read so far.This book was chosen for my Chemical Engineering course, and while I can't testify to what extent it taught Chem-E specific concepts, seeing as this was my first fluids course, I had a firm grasp of every concept in the book we covered (no thanks to my instructor, if you catch my drift). Tons of pictures and helpful diagrams. Believe it or not, I actually WANTED to read this textbook.I ordered mine "used" from TextbookRush Jan/2014 and I'm pretty sure the book was either brand new or the engineering student who previously owned it just used it as a paperweight.

This book is well written for the engineering student who needs a break from the normal style of writing. Many diagrams and example problems written for us to learn, not to struggle through. I also purchased div grad curl and all that to aid in my fluids journey.

The example problems only have the most simple problems but then the chapter problems are like 100 times harder and there is no sample to work off of from the chapter. Good luck using this book.

Decent book for engineering school, not the best.

I bought this textbook used. It came in a slightly more than gently used state. The cover and binding were the most damaged pieces. Otherwise the actual pages were fine. As for the book itself, they

have plenty of examples and problems to work through. But some of the answers they provide to the problems are wrong.

The explanations are excellent, and the figures really help you to understand. Every line in the book has importance to it, which helps with understanding the concept.

The book came about two weeks after purchasing, but fell directly within the expected delivery time. Good pricing, high quality, and very helpful to those who like hard-copy textbooks but do not wish to spend an arm and leg.

I bought this book for my son as he needed it for his engineering course. He loves the book and is able to sit outside or where ever he likes to study the problems in the book. He says that the illustrations are very helpful for forming a plausible picture in your mind!

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