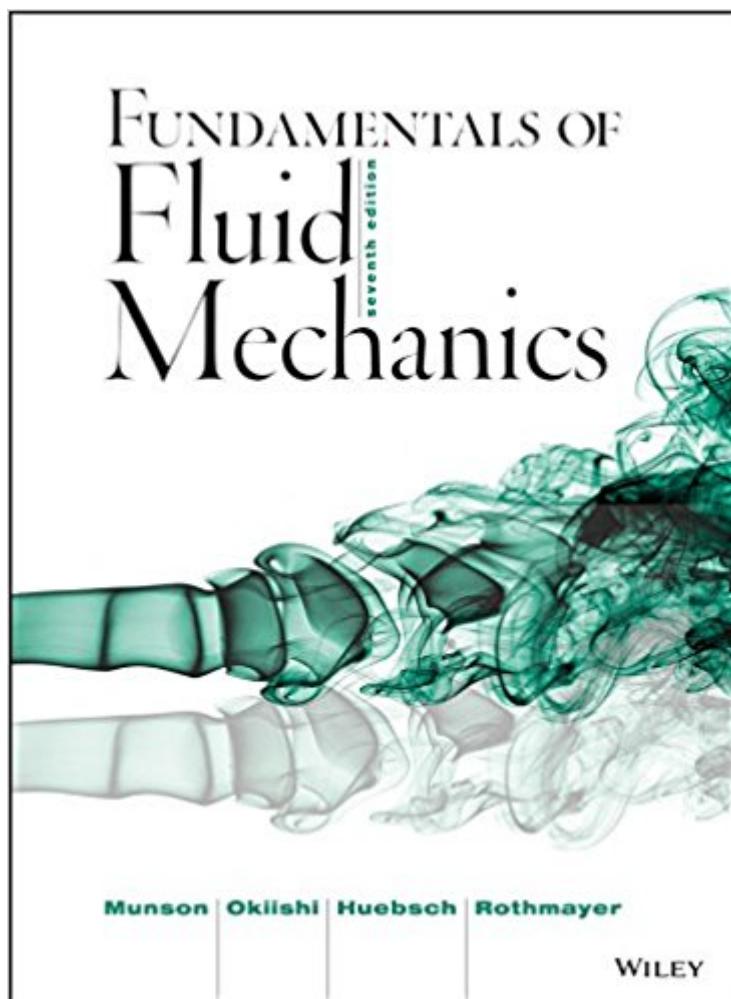


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# Fundamentals Of Fluid Mechanics



## **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 authorsâ™ 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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## **Customer Reviews**

Munson is Professor of Engineering Mechanics at Iowa State University. He received his B.S. and M.S. degrees from Purdue University and his Ph.D. degree from the Aerospace Engineering and Mechanics Department of the University of Minnesota in 1970. mechanics courses for studies in civil engineering, mechanical engineering, engineering science, and agricultural engineering and is the recipient of an Iowa State University Superior Engineering Teacher Award and the Iowa State University Alumni Association Faculty Citation. He has authored and coauthored many theoretical

and experimental technical papers on hydrodynamic stability, low Reynolds number flow, secondary flow, and the applications on hydrodynamic stability, low Reynolds number flow, secondary flow, and the applications of viscous incompressible flow. He is a member of the American Society of Mechanical Engineers and The American Physical Society. Donald F. Young, Anson Marston Distinguished Professor Emeritus in Engineering, is a Faculty member in the Department of Aerospace Engineering and Engineering Mechanics at Iowa State University. Dr. young received his B.S. degree in mechanical engineering, his M.S. and Ph.D. degrees in theoretical and applied mechanics from Iowa State, and has taught both undergraduateand graduate courses in fluid mechanics for many years. In addition to being named a Distinguished Professor in the College of engineering, Dr. Young has also Received the Standard Oil Foundation Outstanding Teacher Award and the Iowa State University Alumni Association Faculty Citation. He has been engaged in fluid mechanics research for more than 35 years, with special interest in similitude and modeling and the interdisciplinary field o biomedical fluid mechanics. Dr.. Young has contributed to many technical publications and is the author or coauthor of two textbooks on applied mechanics. He is a fellow of the American society of Mechanical Engineers. Theodore H. Okiishi, Associate Dean of Engineering and past Chair of Mechanical engineering at Iowa State university, has taught fluid mechanics courses there since 1967. He received his undergraduate and graduate degrees at Iowa State. Form 1965 to 1967, Dr. Okiishi served as a U.S. Army officer with duty assignments at the National Aeronautics and Space Administration Lewis Research Center, Cleveland, Ohio, where he participated in rocket nozzle heat transfer research, and at the combined Intelligence Center, Saigon, Republic of south Vietnam, where he studied seasonal river flooding problems. Professor Okiishi is active in research on turbomachinery fluid dynamics. He and his graduate students and other colleagues have written a number of journal articles based on their studies. some of these projects have involved significant collaboration with government and industrial laboratory researchers with two technical papers winning the ASME Melville Medal. Dr. Okiishi has received several awards for teaching. He hasdeveloped undergraduate and graduate courses in classical fluid dynamics as well as the fluid dynamics of turbomachines. He is a licensed professional engineer. His technical society activities include having been chair of the board of directors of The American society of Mechanical Engineers (ASME) International Gas Turbine Institute. He is a Fellow ofÂ The American Society of (ASME) InternationalÂ Gas Turbine Institute. He is a Fellow of The American society of Mechanical Engineers and the editor of the "Journal of Turbomachinery.

--This text refers to an out of print or unavailable edition of this title.

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Very clear!! This book was a very useful complement to my coursework and lectures!!! I highly suggest this one for the bookshelf of any engineer. Huebsch is the man!

Its the same as the US version but it is all in black and white. That means the graphs and figures are also black in white which is less helpful than color graphics in differentiating one thing from another. Good price though

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.

I normally don't rate textbooks, but this one deserves it. It is very well written and has a lit 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.

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 :)

This version of the "softcopy/reduced color/student value" book also has reduced information. Several tables that are supposed to be in the front and back covers that are NEEDED for problems are completely absent. I thought they would be located on different pages, but no. Kinda sucks. Had to print off charts from the internet and just keep them in my book. However the book is still worth the price cut, and I am glad I bought it.

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