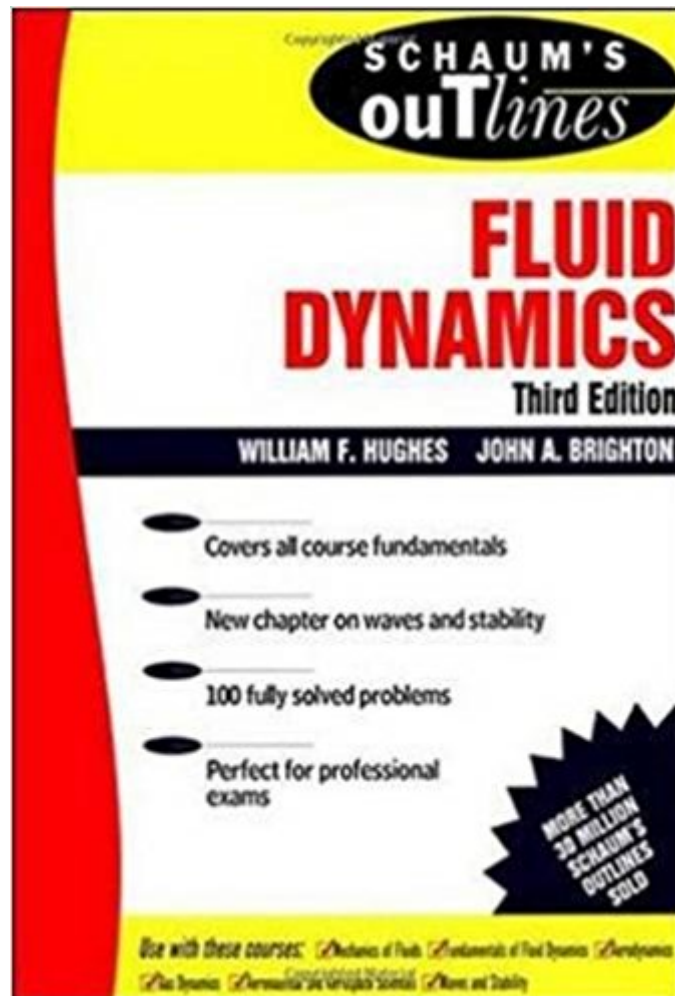




The book was found

Schaum's Outline Of Fluid Dynamics (Schaum's)



Synopsis

Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Book Information

Series: Schaum's Outlines

Paperback: 369 pages

Publisher: McGraw-Hill Education; 3 edition (June 28, 1999)

Language: English

ISBN-10: 0070311188

ISBN-13: 978-0070311183

Product Dimensions: 8 x 0.9 x 10.7 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 10 customer reviews

Best Sellers Rank: #518,183 in Books (See Top 100 in Books) #141 in [Books > Engineering & Transportation > Engineering > Chemical > Fluid Dynamics](#) #150 in [Books > Engineering & Transportation > Engineering > Mechanical > Hydraulics](#) #289 in [Books > Textbooks > Engineering > Aeronautical Engineering](#)

Customer Reviews

William F. Hughes, Ph.D., is professor of mechanical engineering at Carnegie-Mellon University. He was a National Science Foundation postdoctoral fellow at Cambridge University in England and a Fulbright Fellow at the University of Sydney in Australia. John A. Brighton, Ph.D., is a dean of engineering at Pennsylvania State University and has taught at Purdue, Carnegie-Mellon, Michigan State, and Georgia Tech. Nicholas Winowich, Ph.D., is an associate professor at the University of Tennessee, Knoxville, and a member of one of the foremost computational fluid dynamics research

groups in the country.

Well documented text for Fluid Dynamics. Thank You

Good book, in new condition.

It is a great book.

Excellent reference for post-graduation work

Good product

Good quality.

This book is useful for quick references but I wouldn't depend on it to pass a Fluid Mechanics course.

Fluid mechanics is a vast field. It can be considered a branch of applied physics. Highly mathematical, as can be seen in the problems given in this book by Hughes. He takes you through the field, giving the salient equations used to describe various fluid phenomena. Foremost amongst these is the Navier-Stokes equation. A nonlinear partial differential equation that describes the balancing or conservation of momentum and energy in a fluid. Most of fluid mechanics builds on Navier-Stokes. So you need to get your understanding of it down pat. The problems given for these should be tackled and hopefully solved by you, before going onto later sections in the book. You need a solid grasp of this. It can make the rest much easier. Other chapters describe various important special cases. Like incompressible flow. Or one dimensional flow of a fluid that is compressible. Then expanding this discussion into 2 dimensions. Boundary layer problems are also heavily studied. Important in practice, because these relate to the designing of surfaces of planes or boats or missiles. Which leads naturally into problems of turbulence. Then what if the fluid is charged? Electromagnetic effects [currents] then come into consideration. So Hughes devotes a chapter to magnetohydrodynamics. Students of nuclear fusion or stellar evolution may find this chapter germane. Overall, Hughes gives a broad span of the field. Many problems to sharpen your understanding.

[Download to continue reading...](#)

Schaum's Outline of Fluid Dynamics (Schaum's) Schaum's Outline of Fluid Mechanics (Schaum's Outlines) Schaum's Outline of Fluid Mechanics and Hydraulics (Schaum's) Schaum's Outline of Mathematics of Finance (Schaum's Outline Series) Schaum's Outline of Probability, Random Variables, and Random Processes, Second Edition (Schaum's Outline Series) Schaum's Outline of Thermodynamics With Chemical Applications (Schaum's Outline Series) Schaum's Outline of Linear Algebra Fourth Edition (Schaum's Outline Series) Schaum's Outline of Electromagnetics, Third Edition (Schaum's Outline Series) Schaum's Outline of Engineering Mechanics Dynamics (Schaum's Outlines) Schaum's Outline of Fluid Mechanics and Hydraulics Schaum's Outline of Fluid Mechanics and Hydraulics, 4th Edition (Schaum's Outlines) Schaum's Outline of Managerial Accounting, 2nd Edition (Schaum's Outlines) Schaum's Outline of Business Statistics, Fourth Edition (Schaum's Outlines) Schaum's Outline of Statistics and Econometrics, Second Edition (Schaum's Outlines) Schaum's Outline of Financial Management, Third Edition (Schaum's Outlines) Schaum's Outline of College Physics, 11th Edition (Schaum's Outlines) Schaum's Outline of Calculus, 6th Edition: 1,105 Solved Problems + 30 Videos (Schaum's Outlines) Schaum's Outline of Linear Algebra, 5th Edition: 612 Solved Problems + 25 Videos (Schaum's Outlines) Schaum's Outline of Mathematical Handbook of Formulas and Tables, 4th Edition: 2,400 Formulas + Tables (Schaum's Outlines) Schaum's Outline of Electric Circuits, 6th edition (Schaum's Outlines)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)