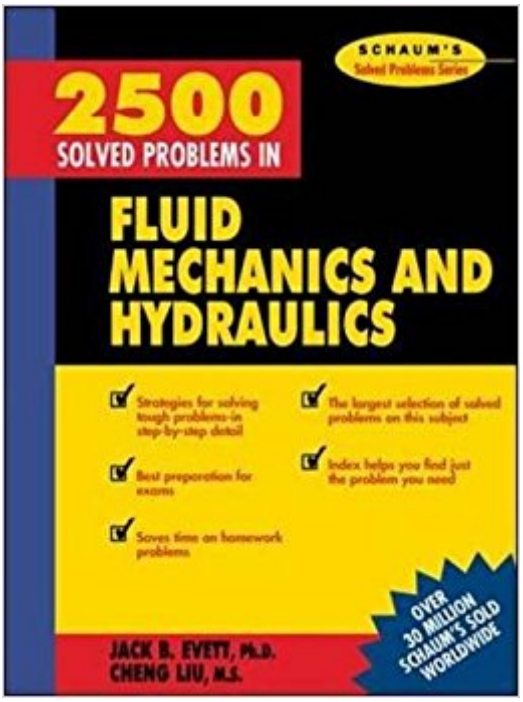
2,500 Solved Problems In Fluid Mechanics And Hydraulics



Synopsis

This powerful problem-solver gives you 2,500 problems in fluid mechanics and hydraulics, fully solved step-by-step! From Schaumâ ™s, the originator of the solved-problem guide, and studentsâ ™ favorite with over 30 million study guides soldâ ”this timesaver helps you master every type of fluid mechanics and hydraulics problem that you will face in your homework and on your tests, from properties of fluids to drag and lift. Work the problems yourself, then check the answers, or go directly to the answers you need using the complete index. Compatible with any classroom text, Schaumâ ™s 2500 Solved Problems in Fluid Mechanics and Hydraulics is so complete itâ ™s the perfect tool for graduate or professional exam review!

Book Information

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Customer Reviews

Master fluid mechanics and hydraulics with Schaumâ ™sâ ”the high-performance solved-problem guide. It will help you cut study time, hone problem-solving skills, and achieve your personal best on exams! Students love Schaumâ ™s Solved Problem Guides because they produce results. Each year, hundreds of thousands of students improve their test scores and final grades with these indispensable guides. Get the edge on your classmates. Use Schaumâ ™s! If you don’t have a lot of time but want to excel in class, this book helps you: Brush up before tests; Find answers fast; Study quickly and more effectively; Get the big picture without spending hours poring over lengthy textbooks. Timesaving features include: Step-by-step solutions to problems; Complete explanations of every step; Thousands of practice problems; Problems from every area of fluid mechanics and

hydraulics; Problems grouped by topic; A wealth of problems on each topic; Clear diagrams and illustrations; Comprehensive index. Compatible with any classroom text, Schaumâ ™s 2500 Solved Problems in Fluid Mechanics and Hydraulics lets you progress at your own pace and find the anwers you needâ ”fast! This Schaumâ ™s Solved Problem Guide is so complete itâ ™s the perfect tool for graduate or professional exam review! You get fully solved problems explained step-by-step in chapters on: Properties of Fluids. Fluid Statics. Forces on Submerged Plane Areas. Dams. Forces on Submerged Curved Areas. Buoyancy and Flotation. Kinematics of Fluid Motion. Fundamentals of Fluid Flow. Flow in Closed Conduits. Energy Losses Due to Friction. Minor Energy Losses. Series Pipeline Systems. Parallel Pipeline Systems; Branching Pipeline Systems. Pipe Networks. Dimensional Analysis and Simultude. Flow in Open Channels. Flood Routing. Flow of Compressible Fluids. Unsteady Flow Problems. Flow Measurement. Pumps and Fans. Turbines. Hydraulic and Energy Grade Lines; Forces Developed by Fluids in Motion. Dynamic Drag and Lift. Basic Hydrodynamics. Index

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As pointed out by another reviewer, what you see is not what you get. The cover is different (it’s a blue color). If you already have the blue book, this is not a different problem set from that one. This book fails to include units on the intermediate steps in solutions. Unit conversions are a source of error for a lot of students, so this laziness on their part is noteworthy. This text uses BG units in about half of the problems (in some sections, even more). Let’s get real for a second: if you’re an engineer, you’re working in SI whenever possible. BG units are cumbersome and, if BG units are truly necessary, it’s easier to convert back to the desired units at the end. I agree that it’s important to know the conversions, but there is no benefit gained by students when they waste time on this outdated system. The focus of this class is to learn basic fluid mechanics, not conversions. If the units were primarily SI (maybe 75% of the problems or so), I would rate this text much higher, despite the lack of clarity in units during the intermediate steps.

i purchased this book to study for my PE...it does have tons and tons of resolved problems...but it is true, there is no explanation behind it, i know the formulas and i can understand where the procedure came from but the numbers do not make sense:example 1.9 - a rock is 0.00015m3. if the rock’s specific gravity is 2.60, what is its weight?solution does this:(2.60)(9.79)=25.5 kN/m3

W-(25.5)(0.00015)=3.82Nno clue where the 9.79 came from...gravity is 9.81 m/s2... i can only assume they used 9.79 as gravity but then on problem 1.11, they do use 9.81...CONFUSING.

great price

More of a "Cliff Notes" or school work book. Not for the person actually trying to learn from scratch. Basic background in the field is required.

EXCELLENT

I was dieing in my Hydrology and Hydrolics class. The text books that I had purchased for the class was useless. I bought this so I could get a better understanding of the my homework problems by examples. Best Buy Evers.

It would be nicer if some procedures be explained in more detail. Nonetheless it is a huge source for practicing the subject.

I would recommend this book for either students or individuals working in the field of mechanical engineering and fluid design.This book is a good review book for those working in fluid design.

Microcirculation (Biomedical Engineering) Prostate Problems Home Remedies, How To Fight Prostate Problems At Home, Get Rid Of Prostate Problems Fast!: Back On Track - Fighting Prostate Problems At Home Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice, 4e (Fluid Therapy In Small Animal Practice) 500 Tapas: The Only Tapas Compendium You'll Ever Need (500 Series Cookbooks) (500 Cooking (Sellers)) Considering the Horse: Tales of Problems Solved and Lessons Learned Study Guide for Fundamentals of Engineering (FE) Electrical and Computer CBT Exam: Practice over 400 solved problems based on NCEESÃ Â® FE CBT Specification Version 9.4 Fundamentals of Engineering (FE) Electrical and Computer - Practice Exam # 1: Full length practice exam containing 110 solved problems based on NCEESÃ Â® FE CBT Specification Version 9.4 Surveying Solved Problems for the FS and PS Exams, 4th Ed Metallurgy and Materials PE Exam Solved Problems