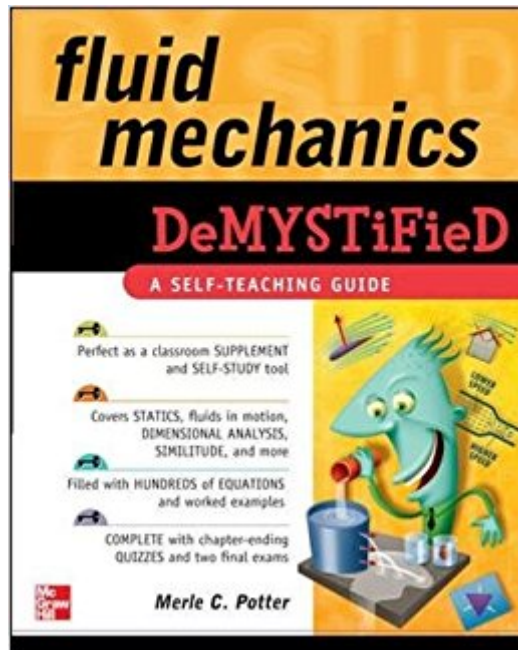




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Fluid Mechanics DeMYSTiFieD



Synopsis

Your solution to mastering fluid mechanicsNeed to learn about the properties of liquids and gases the pressures and forces they exert? Here's your lifeline! Fluid Mechanics Demystified helps you absorb the essentials of this challenging engineering topic. Written in an easy-to-follow format, this practical guide begins by reviewing basic principles and discussing fluid statics. Next, you'll dive into fluids in motion, integral and differential equations, dimensional analysis, and similitude. Internal, external, and compressible flows are also covered. Hundreds of worked examples and equations make it easy to understand the material, and end-of-chapter quizzes and two final exam, with solutions to all their problems, help reinforce learning. This hands-on, self-teaching text offers:Numerous figures to illustrate key conceptsDetails on Bernoulli's equation and the Reynolds numberCoverage of entrance, laminar, turbulent, open channel, and boundary layer flowsSI units throughoutA time-saving approach to performing better on an exam or at workSimple enough for a beginner, but challenging enough for an advanced student, Fluid Mechanics Demystified is your shortcut to understanding this essential engineering subject.

Book Information

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Customer Reviews

Merle C. Potter taught fluid mechanics for 42 years at Michigan Tech, The University of Michigan, and Michigan State University. He is the author of several engineering books. Dr. Potter's research has been in theoretical and experimental fluid mechanics and energy analysis of buildings.

He has received several teaching awards including the 2008 American Society of Mechanical Engineer's James Harry Potter Gold Medal.

As expected

I bought this as a supplement for my fluid mechanics text book. I don't think it is as good as the "Dummies" series of books but it serves the purpose. The quizzes are helpful to ensure you know the topic before moving on.

The product was just what I thought what I was getting. Happy with it so far.

Not helpful for understanding simple hydraulics and how they work

I am a huge For Dummies fan, but they didn't have one on Fluid Mechanics; so I bought this. I have to say, I definitely appreciate For Dummies more now that I read this book. DeMYSTiFieD doesn't teach/explain everything as well, however it was better than my textbook so I really can't complain. Worth it if you are struggling to grasp the concepts in Fluid Mechanics, but you really have to read everything slowly and carefully...sometimes a few times.

Very sound clear course on fluid mechanics - includes just enough math and formulae to be practical. It is NOT overwhelming, thank goodness.

I got "Thermo-dynamics" for Dummies and this book to help me solve and understand some challenging problems outside my expertise at work and both books came in very handy. I think both would be great for someone who did not have to take a proper class in either, or like me, only academic work I had for both subjects was 1st year physics. Pre-req's: basic physics review; Calculus; or maybe some experience or understanding in basic hydraulics and pneumatics.

Very well crafted bread product that is friendly on the wrists and hands. Would recommend to others and purchase again. Great buy at this price. Nice and valuable. very fast, receive it next day. my father this it is the best , perfect.

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