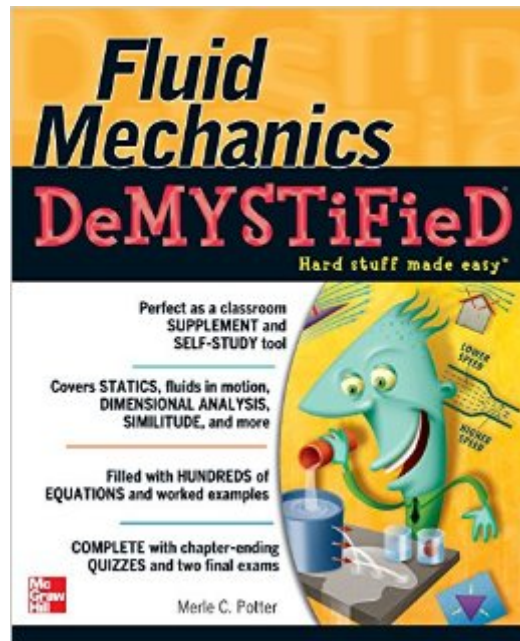


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Fluid Mechanics DeMYSTiFieD



Synopsis

Your solution to mastering fluid mechanics. Need 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 exams, with solutions to all their problems, help reinforce learning. This hands-on, self-teaching text offers:

- Numerous figures to illustrate key concepts
- Details on Bernoulli's equation and the Reynolds number
- Coverage of entrance, laminar, turbulent, open channel, and boundary layer flows
- SI units throughout
- A time-saving approach to performing better on an exam or at work
- Simple 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

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.

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.

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.

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