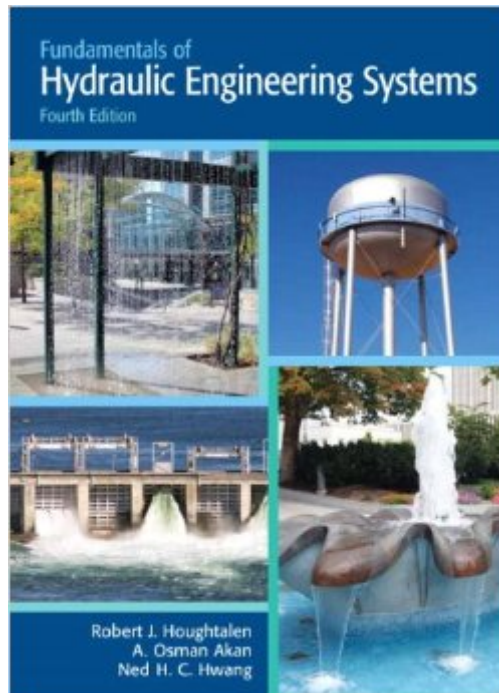


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Fundamentals Of Hydraulic Engineering Systems (4th Edition)



Synopsis

Fundamentals of Hydraulic Engineering Systems, Fourth Edition is a very useful reference for practicing engineers who want to review basic principles and their applications in hydraulic engineering systems. This fundamental treatment of engineering hydraulics balances theory with practical design solutions to common engineering problems. The author examines the most common topics in hydraulics, including hydrostatics, pipe flow, pipelines, pipe networks, pumps, open channel flow, hydraulic structures, water measurement devices, and hydraulic similitude and model studies. Chapters dedicated to groundwater, deterministic hydrology, and statistical hydrology make this text ideal for courses designed to cover hydraulics and hydrology in one semester.

Book Information

Hardcover: 494 pages

Publisher: Prentice Hall; 4 edition (August 17, 2009)

Language: English

ISBN-10: 0136016383

ISBN-13: 978-0136016380

Product Dimensions: 7.1 x 0.9 x 9.3 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 3.7 out of 5 stars [See all reviews](#) (9 customer reviews)

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Customer Reviews

I used this book for my first course in Hydraulics and thought this book was pretty good. The material is organized well and the chapters get right to the point, I thought one improvement that could be made would be to put more examples in the text.

This book is well written and takes you back a step or two had you forgotten the basic principles of fluid mechanics or open channel flow. The example problems are very helpful and the small book size makes it nice to carry around. Quite pricy but a great reference to have around for most hydraulic applications.

Not very "user friendly," i.e. if you're teaching yourself Hydraulics. The examples are few, the colors are only in black and white (hard to interpret; not intuitive), and explanations are dry and make few references to real-life/professional applications. Best used only as a supplement to a course.

Gives one example per section and is the simplest example to give. Does not provide enough background and explanation for the material.

Urban Hydrology, Hydraulics, and Stormwater Quality: Engineering Applications and Computer Modeling
This is a nicely written, compact text. I have used it for a beginning hydrology course. It gets the point across without burying the reader in unnecessary details. I would recommend it for beginning hydrology courses in civil engineering programs as well as for practicing engineers who need a reference text or need to brush up on hydrology

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