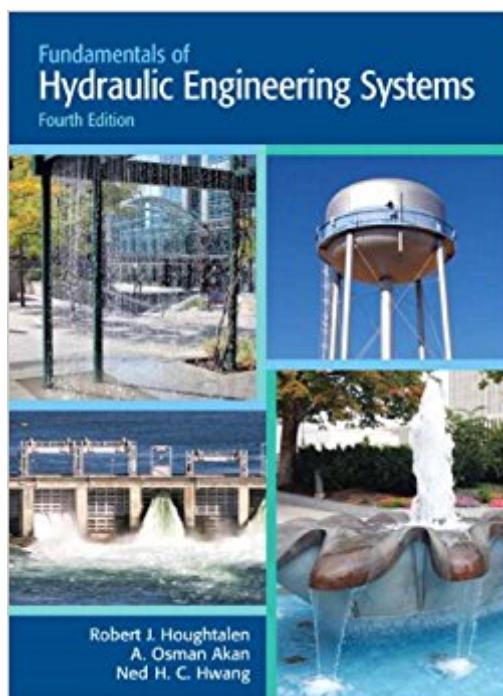


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# Fundamentals Of Hydraulic Engineering Systems (4th Edition)



## **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**

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## **Customer Reviews**

Designed to bridge the gap between basic principles and the techniques applied to the design and analysis of hydraulic engineering systems. This text exposes students to many problems commonly encountered in practice, various solution scenarios (e.g., design formulas, tables, and computer software) that are written by one of the largest commercial vendors of hydrology and hydraulics software. --This text refers to an out of print or unavailable edition of this title.

**KEY BENEFIT:** Offering a balanced treatment of both theory and practical design solutions, this book examines the fundamental concepts of engineering hydraulics.**KEY TOPICS:** Fundamentals

Properties of Water; Water Pressure and Pressure Forces; Water Flow in Pipes; Pipelines and Pipe Networks; Water Pumps; Water Flow in Open Channels; Ground Water Hydraulics; Hydraulic Structures; Water Measurements; Hydraulic Similitude and Model Studies; Hydrology for Design; Graphical Flow Nets: Electric Analog and Numerical Analysis; Solution Charts (Nomographs); Symbols.MARKET: A very useful reference for practicing engineers who want to review basic principles and their applications in hydraulic engineering systems.

I already submitted a review. Very poor...corners bent and ragged, faded cover, and pages almost detached.

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

There were a lot of writing in it so it was not as neat as I would prefer. But I was able to use it with no problems.

The book smells pretty bad I get running nose every time I open the book

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.

Nice book!

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.

The product received was in good conditions as described before purchase. I am happy with my book, thank you

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