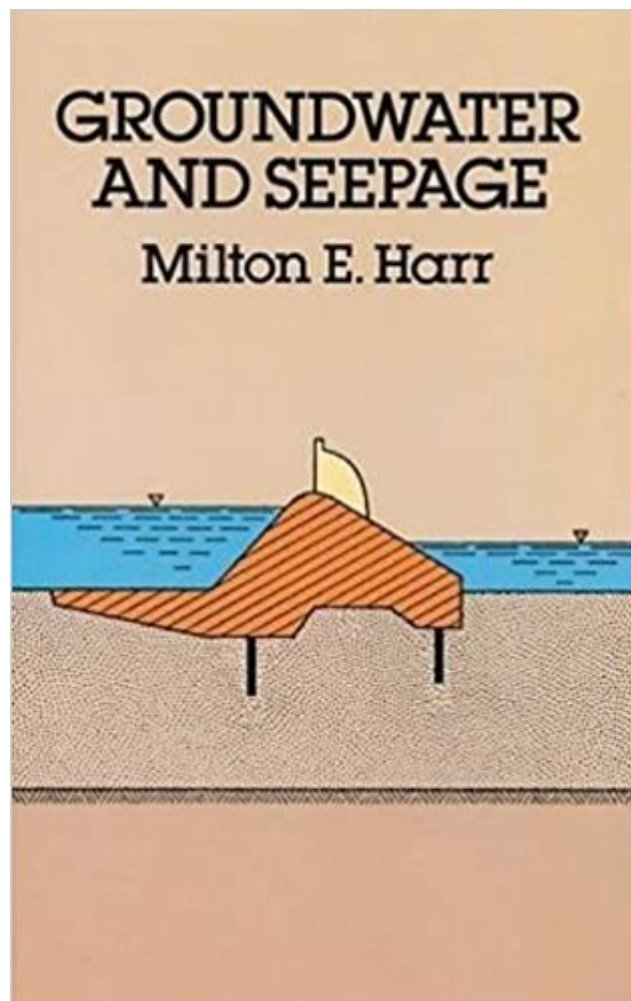




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Groundwater And Seepage (Dover Civil And Mechanical Engineering)



Synopsis

The movement of groundwater is a basic part of soil mechanics. It is an important part of almost every area of civil engineering, agronomy, geology, irrigation, and reclamation. Moreover, the logical structure of its theory appeals to engineering scientists and applied mathematicians. This book aims primarily at providing the engineer with an organized and analytical approach to the solutions of seepage problems and an understanding of the design and analysis of earth structures that impound water. It can be used for advanced courses in civil, hydraulic, agricultural, and foundation engineering, and will prove useful to consulting engineers or any public or private agency responsible for building or maintaining water storage or control systems. Among the special features of this book are its coverage of previously unavailable Russian work in the field, an extensive appendix of concepts in advanced engineering mathematics needed to deal with physical flow systems, and numerous completely worked-out and solved examples coupled with over 200 problems of varying difficulty.

Book Information

Series: Dover Civil and Mechanical Engineering

Paperback: 336 pages

Publisher: Dover Publications; Reprint edition (November 2, 2011)

Language: English

ISBN-10: 0486668819

ISBN-13: 978-0486668819

Product Dimensions: 5.4 x 0.7 x 8.5 inches

Shipping Weight: 8.8 ounces (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars 5 customer reviews

Best Sellers Rank: #1,509,548 in Books (See Top 100 in Books) #82 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Groundwater & Flood Control #5945 in Books > Engineering & Transportation > Engineering > Mechanical #18349 in Books > Science & Math > Earth Sciences

Customer Reviews

The book includes lots of maths, differential equations, etc. Deep knowledge of hydraulics are needed. I would recommend this book for engineers involved in research or advance hydraulic design and modeling.

Good reference book.

This book presents good examples of numerical simulations about seepage. It is a good reference to design of dams, walls and other examples related to groundwater problems and seepage analysis.

I have taken groundwater hydrology from professors with a mining engineering, civil engineering, and geology background. These groups can all have different ways of approaching the subject. This book definitely represents the engineers' view of saturated subsurface flow. This book is one of the first and the few that goes into conformal mapping. As such, this book should be on the library shelf for geotechnical engineers, civil engineers, and other groundwater professionals.

Required reading, if a bit dated, on groundwater and seepage -- giving the engineer's perspective on groundwater. A different point of view, different definitions, and a bunch of practical solutions that geohydrologists might not be aware of. Recommended.

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