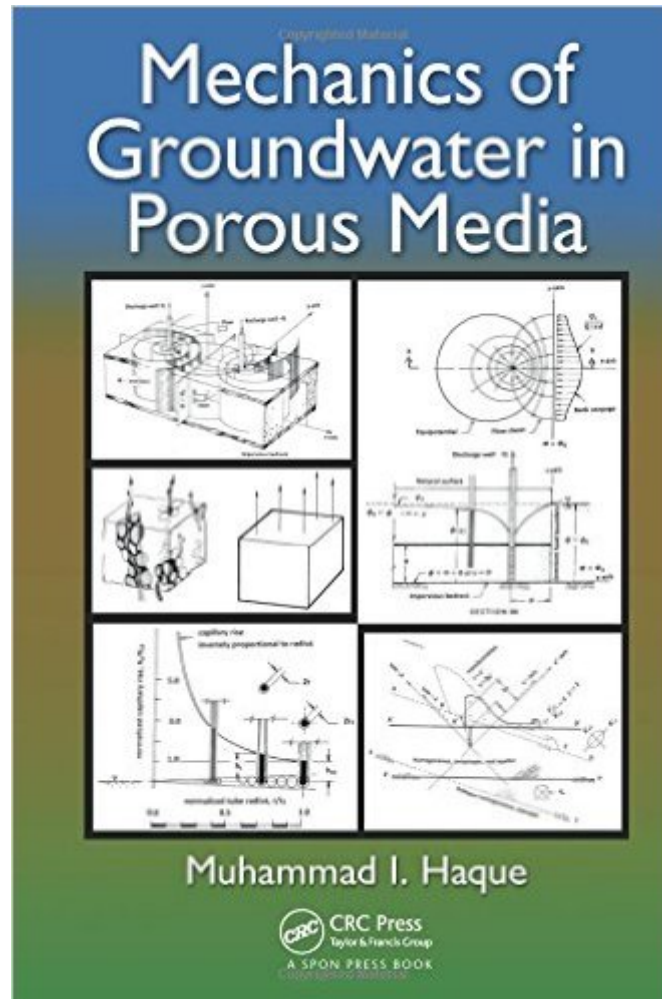


The book was found

# Mechanics Of Groundwater In Porous Media



## Synopsis

Provides a Balance between the Mathematical and Physical Aspects and the Engineering Applications Written for engineering and science students, *Mechanics of Groundwater in Porous Media* explains groundwater from both a mathematical and qualitative standpoint. The book builds up the theory of groundwater flow starting from basic physics and geometric intuition, and on to applied practice through real-world engineering problems. It includes graphical illustrations as well as solved illustrative problems throughout the text. Considers the Steady-State Motion of Groundwater The book starts off by introducing the overall picture of groundwater, its relationship with the hydrological cycle, and other terminology used in the mechanics of groundwater flow through porous means. It presents a synopsis of basic definitions, concepts, and the fundamental principles of fluid mechanics and soil mechanics, which are necessary prerequisites for an adequate understanding of the book's core material. The engineering applications are deduced from geometric and physical reasoning, with a minimum use of mathematical abstraction. *Mechanics of Groundwater in Porous Media* is written primarily to serve as a textbook for senior undergraduate and upper-level graduate students in civil and environmental engineering, environmental science, hydrogeology, and geology, as well as a resource for practicing engineers.

## Book Information

Hardcover: 280 pages

Publisher: CRC Press; 1 edition (July 23, 2014)

Language: English

ISBN-10: 1466585048

ISBN-13: 978-1466585041

Product Dimensions: 5.8 x 1 x 8.7 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,179,712 in Books (See Top 100 in Books) #128 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Groundwater & Flood Control #758 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Environmental > Water Quality & Treatment #1788 in Books > Textbooks > Engineering > Civil Engineering

[Download to continue reading...](#)

Mechanics of Groundwater in Porous Media Modeling Groundwater Flow and Contaminant

Transport (Theory and Applications of Transport in Porous Media) Dynamics of Fluids in Porous Media (Dover Civil and Mechanical Engineering) Fluid Flow in the Subsurface: History, Generalization and Applications of Physical Laws (Theory and Applications of Transport in Porous Media) Characterization of Porous Solids and Powders: Surface Area, Pore Size and Density (Particle Technology Series) Developing Groundwater: A Guide for Rural Water Supply Arc Hydro Groundwater: GIS for Hydrogeology Groundwater Geochemistry and Isotopes Groundwater Science Groundwater Lowering in Construction: A Practical Guide to Dewatering, Second Edition (Applied Geotechnics) Estimating Groundwater Recharge Groundwater Introduction to the Numerical Modeling of Groundwater and Geothermal Systems: Fundamentals of Mass, Energy and Solute Transport in Poroelastic Rocks (Multiphysics Modeling) Geochemical Modeling of Groundwater, Vadose and Geothermal Systems (Multiphysics Modeling) Applied Groundwater Modeling, Second Edition: Simulation of Flow and Advective Transport Hydraulics of Groundwater (Dover Books on Engineering) Robotics: The Beginner's Guide to Robotic Building, Technology, Mechanics, and Processes (Robotics, Mechanics, Technology, Robotic Building, Science) Soil Mechanics in Highway Engineering (Series on Rock and Soil Mechanics) Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics) Mechanics II: Mechanics of Materials +

[Dmca](#)