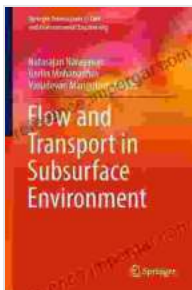


Flow and Transport in Subsurface Environments: A Comprehensive Guide for Researchers and Practitioners

Flow and Transport in Subsurface Environments is a comprehensive guide to the latest advances in the field, covering both theoretical and practical aspects. Essential reading for researchers and practitioners in hydrology, environmental engineering, and related fields, this book provides a deep understanding of the fundamental principles and processes that govern the movement of water and contaminants in the subsurface.



Flow and Transport in Subsurface Environment (Springer Transactions in Civil and Environmental Engineering)

★★★★★ 5 out of 5

Language	: English
File size	: 20098 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 380 pages



The book begins with an overview of the basic concepts of groundwater flow and contaminant transport, followed by a discussion of the governing equations and analytical solutions. The authors then cover numerical modeling techniques, including finite difference, finite element, and

boundary element methods. Field experiments and case studies are also presented to illustrate the practical applications of these methods.

The book is divided into four parts:

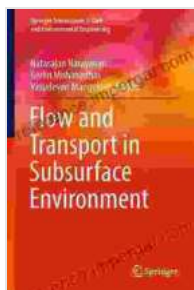
- **Part 1:**
- **Part 2: Governing Equations and Analytical Solutions**
- **Part 3: Numerical Modeling Techniques**
- **Part 4: Field Experiments and Case Studies**

Each part is written by leading experts in the field, and the book as a whole provides a comprehensive and up-to-date overview of the state of the art in flow and transport in subsurface environments.

Key Features:

- Covers the latest advances in flow and transport in subsurface environments
- Provides a deep understanding of the fundamental principles and processes that govern the movement of water and contaminants in the subsurface
- Written by leading experts in the field
- Includes field experiments and case studies to illustrate the practical applications of the methods presented
- Essential reading for researchers and practitioners in hydrology, environmental engineering, and related fields

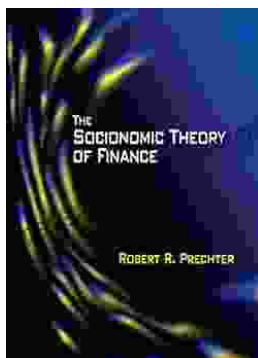
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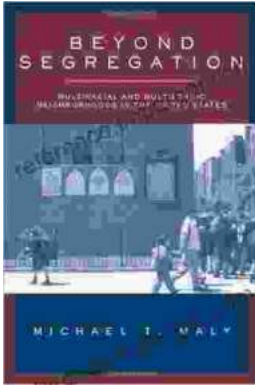
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