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Open-channel Flow (Hardback)

By Subhash C. Jain

John Wiley and Sons Ltd, United States, 2000. Hardback. Condition: New. New. Language: English . Brand New Book. A clear, up-to-date presentation of the principles of flow in open channels A fundamental knowledge of flow in open channels is essential for the planning and design of systems to manage water resources. Open-Channel Flow conveys this knowledge through the use of practical problems that can be solved either analytically or by simple numerical methods that do not require the use of computer software. This completely up-to-date text includes several features not found in any other book on the subject. It derives one- dimensional equations of motion using both a simplified approach and a rigorous approach, and it explains the distinction between the momentum and mechanical energy equations. The author places great emphasis on identifying the types and locations of the control sections that are essential in analyzing flow profiles, and he includes a section on recently recognized nonunique flow profiles. Offering numerous worked examples that are helpful in understanding the basic principles and their practical applications, this book: Presents the latest computational methods for profiling spatially varied and unsteady flow Includes end-of-section exercises that measure and build understanding Fully explains governing...

Reviews

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