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Water Resources Engineering

By Larry W. Mays



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Learn the principles and practice of water resources engineering from a leader in the field!

Now updated with a new chapter on sedimentation (Chapter 18), this 2005 Edition of Larry Mays's *Water Resources Engineering* provides you with the state-of-the-art in the field. With remarkable range and depth of coverage, Professor Mays presents a straightforward, easy-to-understand presentation of hydraulic and hydrologic processes using the control volume approach. He then extends these processes into practical applications for water use and water excess, including water distribution systems, stormwater control, and flood control. With its strong emphasis on analysis and design, this text will be a resource you'll refer to throughout your career!

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- New! A new chapter covers sedimentation.
- Practical applications will prepare you for engineering practice.
- Coverage spans an extraordinary range of topics.
- Many example problems with solutions will help you hone your problem-solving skills.
- Practice problems at the end of each chapter offer you the opportunity to apply what you've learned.
- Includes a review of basic fluid concepts and the control volume approach to fluid mechanics.



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Editorial Review

From the Back Cover

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Larry W. Mays is Professor of Civil and Environmental Engineering at Arizona State University and former chair of the department. He was formerly Director of the Center for Research in Water Resources at The University of Texas at Austin, where he also held an Engineering Foundation Endowed Professorship. A registered professional engineer in seven states and a registered professional hydrologist, he has served as a consultant to many organizations. Professor Mays is author of *Optimal Control for Hydrosystems* (Marcel-Dekkar, Inc.), co-author of *Applied Hydrology* (McGraw-Hill) and *Hydrosystems Engineering and Management* (McGraw-Hill), and editor-in-chief of the *Water Resources Handbook* (McGraw-Hill), *Hydraulic Design Handbook* (McGraw-Hill), and the *Water Distribution Systems Handbook* (McGraw-Hill). He was also editor-in-chief of *Reliability Analysis of Water Distribution Systems* (ASCE) and co-editor of *Computer Modeling of Free Surface and Pressurized Flows* (Kluwer Academic Publishers). Among his honors include a distinguished alumnus award from the University of Illinois at Urbana-Champaign in 1999.

About the Author

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