



# Water-Resources Engineering (3rd Edition)

By David A. Chin

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**Water-Resources Engineering (3rd Edition)** By David A. Chin

*Water-Resources Engineering* provides comprehensive coverage of hydraulics, hydrology, and water-resources planning and management. Presented from first principles, the material is rigorous, relevant to the practice of water resources engineering, and reinforced by detailed presentations of design applications. Prior knowledge of fluid mechanics and calculus (up to differential equations) is assumed.

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## **Editorial Review**

From the Back Cover

Water-Resources Engineering provides the reader with a complete picture of water resources engineering by integrating the fundamental concepts of fluid mechanics, hydraulics, hydrology, and contaminant fate and transport processes in the hydrologic cycle. The material in the book is presented from first principles, is rigorous, is relevant to the practice of water resources engineering, and is reinforced by detailed presentations of design applications.

### **FEATURES/BENEFITS**

- Contains practical design applications--From the areas of hydraulics, surface water and ground water hydrology, and hydrologic fate and transport processes.
  - Coverage of design applications reinforces the basic theory. Design methods are state-of-the-art in preparation for engineering practice. Detailed coverage of hydraulics, hydrology, and contaminant transport in a single book, provide a holistic view of water-resources engineering.
- Presents computer models--Widely used in practice to implement the techniques discussed.
  - It is essential that today's engineers be familiar with state-of-the-art computer models for efficient and comprehensive engineering design.
- Presents design protocols--Consistent with ASCE, WEF, and AWWA Manuals of Practice.

### **Users Review****From reader reviews:**

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