

# Fundamentals of Fluid Mechanics



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Greater number of solved examples than most competing texts.

Good emphasis on practical problems, and 25% new homework problems.

Early introduction of Bernoulli Equation.

Each example problem is completely solved using a problem statement, detailed solution and often giving a brief discussion of related principles from real life situations. This practical problem solving methodology is used to promote students' reasoning skills.

E-Text. Each new copy of the fourth edition includes a free CD-ROM containing the e-Text-the entire print component of the book in searchable PDF format, plus additional material not in the print version.

Fluid Mechanics Phenomena brings fluid mechanics to life! A series of 80 short video segments on the CD illustrate various aspects of real-world fluid mechanics. The videos are linked within the e-Text directly to those sections and problems that will most

benefit from these illustrations:

Many of the segments show how fluid motion relates to familiar devices and everyday experiences.

Each segment also clearly indicates the key fluid mechanics topic being demonstrated and provides a description of the content.

Review Problems with Complete Solutions. Each chapter in the e-Text provides students with 10-20 review problems that link directly to complete detailed solutions for extra guidance in problem-solving. In addition, the review problems are identified by the basic principle they demonstrate, allowing students easy reference to areas they need to review.

Lab Problems. The e-Text contains 30 extended laboratory problems that involve actual experimental data for simple experiments often found in introductory fluid mechanics labs. The data for these problems is provided in Excel format.

Key Words and Topics. Each chapter contains a list of key words and topics. Within the e-Text, the key words and topics are linked directly to where those concepts are explained in the chapter. Great for studying-think flashcards!

Summary sentences. A brief summary sentence on each page of the text. An effective reference and resource to students, these sentences help students locate discussions of important concepts. Used as a study tool, the summary sentences guide students to key concept that students need to understand and encourage them to read the text rather than relying on worked out examples.

作者介绍:

目录:

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标签

评论

例子很多，比较偏工科，所以实例多，但是解释一般

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书评

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