

A Brief Introduction to Fluid Mechanics

Donald F. Young, Bruce R. Munson, Theodore H. Okiishi



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A Brief Introduction to Fluid Mechanics Donald F. Young, Bruce R. Munson, Theodore H. Okiishi Concise and focused-these are the two guiding principles of Young, Munson, and Okiishi's Third Edition of A Brief Introduction to Fluid Mechanics.

The authors clearly present basic analysis techniques and address practical concerns and applications, such as pipe flow, open-channel flow, flow measurement, and drag and lift. Homework problems in every chapter-including open-ended problems, problems based on the CD-ROM videos, laboratory problems, and computer problems-emphasize the practical application of principles. More than 100 worked examples provide detailed solutions to a variety of problems.

The Third Edition offers several new features and enhancements, including:

- A variety of new simple figures in the margins that will help you visualize the concepts described in the text.
- Chapter Summary and Study Guide sections at the end of each chapter that will help you assess your understanding of the material.
- Simplified presentation of the Reynolds transport theorem.
- New homework problems added to every chapter.
- Highlighted key works in each chapter.

Experience fluid flow phenomena in action on a new CD-ROM! The Fluid Mechanics Phenomena CD-ROM packaged with this text presents:

- 75 short video segments that illustrate various aspects of fluid mechanics
- 30 extended laboratory-type problems
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