



Introduction to Fluid Mechanics

By Robert W. Fox, Philip J. Pritchard, Alan T. McDonald

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One of the bestselling books in the field, *Introduction to Fluid Mechanics* continues to provide readers with a balanced and comprehensive approach to mastering critical concepts. The new seventh edition once again incorporates a proven problem-solving methodology that will help them develop an orderly plan to finding the right solution. It starts with basic equations, then clearly states assumptions, and finally, relates results to expected physical behavior. Many of the steps involved in analysis are simplified by using Excel.

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Editorial Review

From the Back Cover

A proven problem-solving approach in Fluid Mechanics now integrated with Excel!

Fox, McDonald & Pritchard provide a balanced approach to fluid mechanics that arms students with a proven problem-solving methodology. Students will learn to adopt an orderly approach to solving problems.

- Providing a fresh look, new co-author Philip J. Pritchard, of Manhattan College, has clarified and improved descriptions and explanations throughout the book.
- The text emphasizes the control volume concept to provide a practical problem solving approach that is theoretically inclusive.
- 116 detailed example problems illustrate important concepts; each problem is solved in complete detail to demonstrate good solution procedure.
- 45 example problems have associated *Excel*/workbooks that enable students to perform “What if?” scenarios when studying the examples; many of the workbooks can be modified to solve end-of-chapter problems.
- Students can use *Excel* to vary problems parameters to gain insight into the behavior of complex solutions.
- 1315 end-of-chapter problems, with varying degrees of difficulty, provide the opportunity to practice building problem-solving skills.
- The CD accompanying the text includes: special and/or advanced topic sections for further study that are not included in the printed text, 45 example problem workbooks in *Excel*, and “A Brief Review of Microsoft *Excel*” (an introduction to *Excel*’s basic features, and such advanced features as *Solver* and macros).

About the Author

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Users Review

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Paul Erdmann:

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