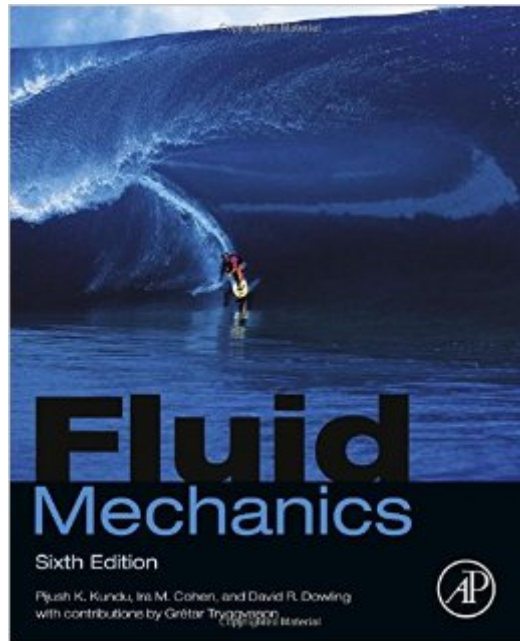


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Fluid Mechanics, Sixth Edition



Synopsis

The classic textbook on fluid mechanics is revised and updated by Dr. David Dowling to better illustrate this important subject for modern students. With topics and concepts presented in a clear and accessible way, Fluid Mechanics guides students from the fundamentals to the analysis and application of fluid mechanics, including compressible flow and such diverse applications as aerodynamics and geophysical fluid mechanics. Its broad and deep coverage is ideal for both a first or second course in fluid dynamics at the graduate or advanced undergraduate level, and is well-suited to the needs of modern scientists, engineers, mathematicians, and others seeking fluid mechanics knowledge. Over 100 new examples designed to illustrate the application of the various concepts and equations featured in the text. A completely new chapter on computational fluid dynamics (CFD) authored by Prof. Gretar Tryggvason of the University of Notre Dame. This new CFD chapter includes sample Matlab™ codes and 20 exercises. New material on elementary kinetic theory, non-Newtonian constitutive relationships, internal and external rough-wall turbulent flows, Reynolds-stress closure models, acoustic source terms, and unsteady one-dimensional gas dynamics. Plus 110 new exercises and nearly 100 new figures.

Book Information

Hardcover: 928 pages

Publisher: Academic Press; 6 edition (June 19, 2015)

Language: English

ISBN-10: 012405935X

ISBN-13: 978-0124059351

Product Dimensions: 7.9 x 1.8 x 9.5 inches

Shipping Weight: 4.8 pounds (View shipping rates and policies)

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Customer Reviews

Immediately upon opening the book for the first time the front cover ripped free of the rest of the book. Will be exchanging for another, hopefully this poor binding isn't the norm. UPDATE: I realized that I forgot to update the review for quite some time after receiving my second copy. However, the

second one was returned as well for the exact same reason as the first. The cover is flimsily glued by the first and last pages to the rest of the book. Talking among my classmates who also purchased this edition of book, this problem was definitely present at varying levels with their copies as well. Though it has been a year since my original purchase, I would still be wary of ordering this edition.

Outstanding.

Great quality and shipping. 5 stars •

Beautiful book! Fast shipping!

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