



Applied Fluid Mechanics for Engineers (Hardback)

By Meinhard T. Schobeiri

McGraw-Hill Education - Europe, United States, 2014. Hardback. Book Condition: New. 239 x 190 mm. Language: English . Brand New Book. This comprehensive volume serves as both a fundamentals textbook and professional user s guide to fluid mechanics for mechanical, aerospace, and civil engineers. Applied Fluid Mechanics for Engineers comprehensively addresses the particular needs of graduate engineering fluid mechanics courses. It is equally suitable for aerospace engineering, civil engineering, other engineering disciplines, and especially those practicing professionals who perform simulation on a routine basis and would like to know more about the underlying physics of the commercial codes they use. The book also serves as an invaluable self-study tool. The contents of this book cover the material required in fluid mechanics graduate core courses and in advanced fluid mechanics, both of which the author has taught at Texas AM University for the past two decades. Problems and projects in each chapter with a focus on applied, real-world engineering applications Instructor s manual with solutions and exam questions Student solutions guide Advanced applied topics in current fluid mechanics practices Computational techniques for modern computer simulation and modeling of fluid flow Chapter projects focus on practical applications, problem solving, development, and management.



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