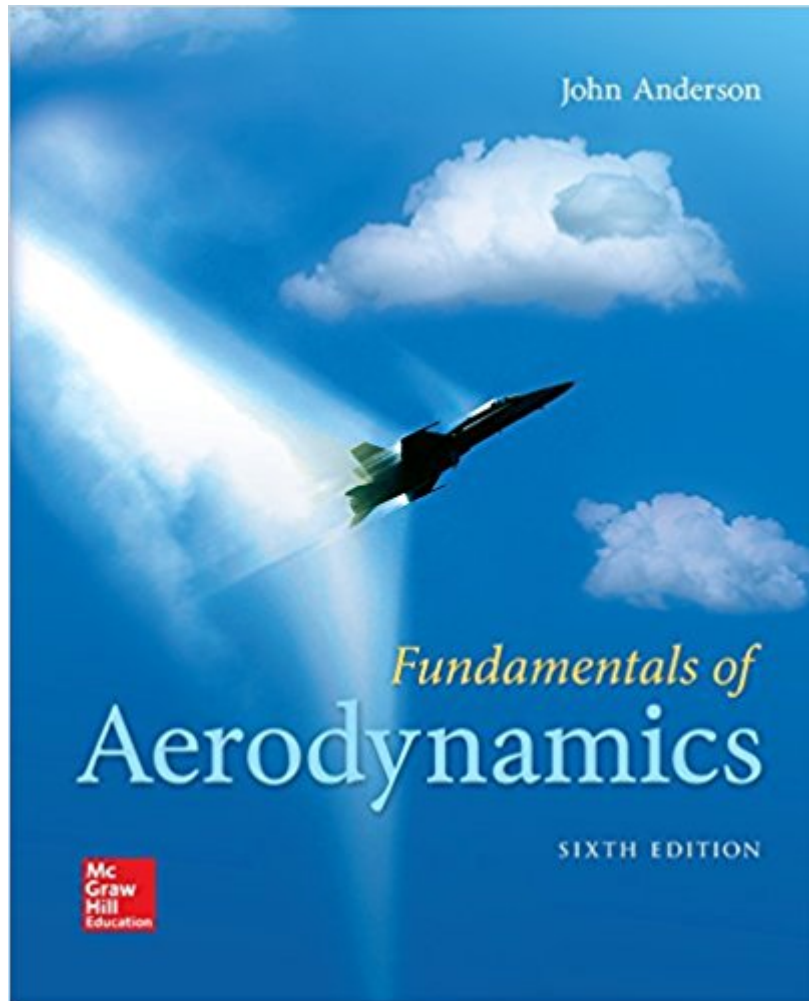




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Fundamentals Of Aerodynamics



Synopsis

Fundamentals of Aerodynamics is meant to be read. The writing style is intentionally conversational in order to make the book easier to read. The book is designed to talk to the reader; in part to be a self-teaching instrument. Learning objectives have been added to each chapter to reflect what is believed to be the most important items to learn from that particular chapter. This edition emphasizes the rich theoretical and physical background of aerodynamics, and marbles in many historical notes to provide a background as to where the aerodynamic technology comes from. Also, new with this edition, are "Integrated Work Challenges" that pertain to the chapter as a whole, and give the reader the opportunity to integrate the material in that chapter, in order to solve a "bigger picture". McGraw-Hill Education's Connect, is also available as an optional, add on item. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, how they need it, so that class time is more effective. Connect allows the professor to assign homework, quizzes, and tests easily and automatically grades and records the scores of the student's work. Problems are randomized to prevent sharing of answers and may also have a "multi-step solution" which helps move the students' learning along if they experience difficulty.

Book Information

Hardcover: 1152 pages

Publisher: McGraw-Hill Education; 6 edition (March 21, 2016)

Language: English

ISBN-10: 1259129918

ISBN-13: 978-1259129919

Product Dimensions: 7.6 x 1.7 x 9.4 inches

Shipping Weight: 3.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

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Customer Reviews

John D. Anderson, Jr., was born in Lancaster, Pennsylvania, on October 1, 1937. He attended the University of Florida, graduating in 1959 with high honors and a Bachelor of Aeronautical

Engineering Degree. From 1959 to 1962, he was a Lieutenant and Task Scientist at the Aerospace Research Laboratory at Wright-Patterson Air Force Base. From 1962 to 1966, he attended the Ohio State University under the National Science Foundation and NASA Fellowships, graduating with a PhD in Aeronautical and Astronautical Engineering. In 1966, he joined the U.S. Naval Ordnance Laboratory as Chief of the Hypersonics Group. In 1973, he became Chairman of the Department of Aerospace Engineering at the University of Maryland, and since 1980 has been Professor of Aerospace Engineering at the University of Maryland. In 1982, he was designated a Distinguished Scholar/Teacher by the University. During 1986–1987, while on sabbatical from the University, Dr. Anderson occupied the Charles Lindbergh Chair at the National Air and Space Museum of the Smithsonian Institution. He continued with the Air and Space Museum one day each week as their Special Assistant for Aerodynamics, doing research and writing on the History of Aerodynamics. In addition to his position as Professor of Aerospace Engineering, in 1993, he was made a full faculty member of the Committee for the History and Philosophy of Science and in 1996 an affiliate member of the History Department at the University of Maryland. In 1996, he became the Glenn L. Martin Distinguished Professor for Education in Aerospace Engineering. In 1999, he retired from the University of Maryland and was appointed Professor Emeritus. He is currently the Curator for Aerodynamics at the National Air and Space Museum, Smithsonian Institution.

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