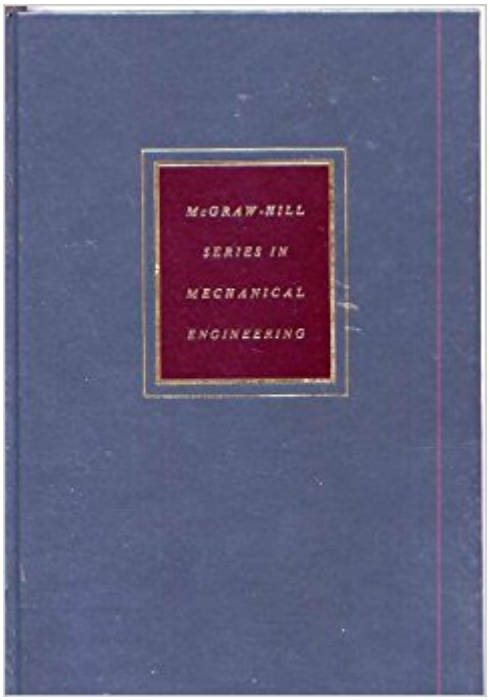
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Modern Compressible Flow: With Historical Perspective (McGraw-Hill Series In Mechanical Engineering)



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Synopsis

The second edition of this text on modern compressible flow.

Book Information

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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. --This text refers to an out of print or unavailable edition of this title.

Anderson is my favorite textbook author by far. He can break everything down into simple steps and dumb it down to the level of us non-rocket scientists. There are interesting stories and anecdotes scattered throughout the text to help break up the boring sections and give perspective into the historical background of whatever subject he’s writing about. This is a great book just to have as a resource as well as a teaching aid.

I needed this book for my Boundary Layer Theory class. I bought it used for around $40 and I could not tell that it was used. Great material. I would recommend for anyone in the Aerospace field that wants to get a better grasp of boundary layers and the flow over an airfoil both subsonic and supersonic. Buy used! You can’t tell the difference!

Anderson takes a very interesting topic and explains it in a very detailed yet entertaining way. The text isn’t boring to read... ! Let me repeat that this engineering text is fun to read. The historical inserts in each section were also quite interesting. For the most part the problems were doable and have some sort of application incorporated in them. Pictures, diagrams and graphs are all very useful and relevent. I was grateful to have this book as my gas dynamics undergaduat book, but I recommend this book to anyone who wants to learn, or study compressible flow.

The theory in the book is well explained but the internation edition I received had parts of chapters missing and the print is terrible.

This was the assigned textbook for my graduate level compressible flow class. I was pleasantly surprised that it was well written and easy to understand. The chapters were written in a way that made the subject matter interesting..

perfect

Anderson’s books are always amazing. I still use this as a reference for graduate classes. Printing and binding have held up over several years of use.

Very nice and interesting text. The historical narratives are very informative and intriguing.

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