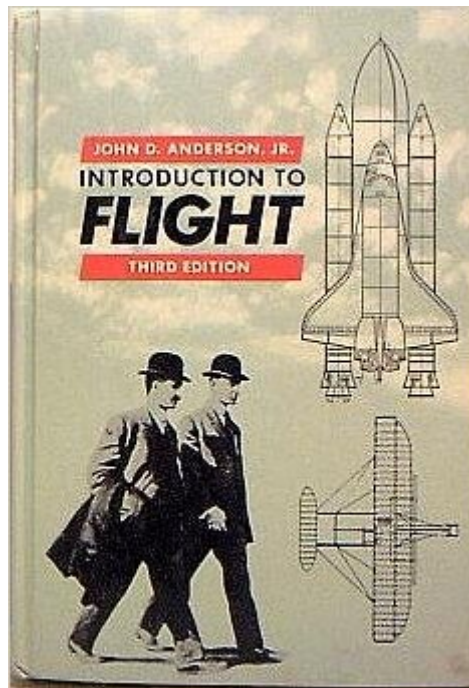




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Introduction To Flight (Mcgraw-Hill Series In Aeronautical And Aerospace Engineering)



Synopsis

This text is the market leader for the first course in aeronautical engineering. Contains a section on aircraft design with historical background, one on space vehicles, and a chapter on hypersonics.

Book Information

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Customer Reviews

John D. Anderson, Jr. is the Curator of Aerodynamics at the National Air & Space Museum

Smithsonian Institute and Professor Emeritus at the University of Maryland. --This text refers to an out of print or unavailable edition of this title.

Great

For being an old book, it still provides a lot of useful information. This book was a lot easier to read and understand than some of the newer books i've seen.

Great!!!!

all of my rocket scientist friends (literally rocket scientists!) say this is the best, bar none, intro to Aero book on the planet.

This truly is a gem of a book for the general reader with an intelligent interest in matters aeronautical, as well as the beginning student in aero engineering. It does not plumb the depths of the subject - there are other books (including ones by the same author) which do that. But it covers a huge scope, from aerodynamic fundamentals, through aircraft characteristics and performance, to propulsion systems, and a little about structures and materials. Supersonic and hypersonic flight are included. The treatment is quantitative (there are lots of equations), but in a simplified form and at a level which should be comprehensible to anyone with high-school mathematics. The maths is there to convey principles, without losing the reader in a myriad of detail. Three things which make this book stand out are the clear, approachable style of the author, the fascinating historical perspectives which are sprinkled throughout the book, and the illustrative "design boxes".

Anyone interested in learning the fundamentals in aerodynamics, aircraft design and aircraft control (as well as some astrodynamics) should have this book. Even in my upper class aerospace engineering courses I have found this book to be a GREAT help explaining the basics in a simple, methodical way. The equation derivations included in the book are essential for a complete understanding of the material. Some basic calculus skills are needed, but anyone interested in engineering should have that anyway. The Appendix and Atmospheric Tables in the back of the book are also a great reference. The book also includes a historical point of view, essential to understanding why planes look the way they do today. This book is written in a style similar to his lectures, using everyday language and vocabulary. Dr. Anderson is an incredible professor and author--making even the most complicated of subjects easy to understand.

I have read several texts on the fundamentals of aerodynamics and flight. This book is by far the best at clarity of explanation with the right mixture of mathematics and applications. The math is enough to educate you on the fundamentals without burying you in endless derivations without giving you the answer to "what does it all mean". When you are done reading it, you will know the theory, the application, and the historical significance. I wish this had been the text I picked up first.

This book is not only insightful and helpful in the realm of Aerodynamics, and gas dynamics, but is easily applicable to any type of engineering necessary. I myself am a studying Aerospace Engineer, and I found that this book was a good "jump start" to that field of work. Easily understandable, yet not "Basic" This book is a must have for anyone interested in Aerodynamics. Do not think that because this book is titled, "INTRODUCTION" it is basic!

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