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Introduction To Aeronautics: A Design Perspective, 2nd Edition (Aiaa Education Series)



Synopsis

A textbook offering a resource for students attempting to understand the methods & thought processes involved in designing aircraft. It includes a working knowledge of how an aircraft is shaped & optimized to perform specific missions by countless design decisions.

Book Information

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Customer Reviews

This was a Second Edition book. Book was in shrink-wrap and brand spanking new, just as advertised. Only one hiccup. If you are interested in the aeroDYNAMIC spreadsheet software it came with when it was published, buy the third edition. AIAA Education now charges \$94.95 for the software and stripped the CD's from all the leftover 2nd Ed books they unloaded to dealers when the 3rd Ed came out. So the extremely reasonable price (\$7.35 now for the 2nd edition vs \$76.00 for a new 3rd Ed) is because they do not contain the software CD. That having been said, this is an excellent book for someone with little knowledge of Aeronautics and Aeronautical Engineering as a introduction to the disciplines involved or as a review for someone that hasn't looked at them in a while.

Basically a how to build an airplane step by step. It covers all material very well and formulas are somewhat derived for you. The examples are fairly well written and shows how to use the theories taught in that chapter. There are only a few per chapter unfortunately but they do cover a lot of ground. As for the seller, as described shipped quick using primes no well packed :)

Great book

A very useful book for my Introduction to Aerospace course. Contains lots of useful information and equations. Easy to understand.

Introduction to Aeronautics a design perspective in the need of expand our need in the field of new generation of Engineers

The book is good and recommended. However I bought the book specifically because I had read it comes with a DVD of design software. The book even says it is supposed to come with it, yet there was no DVD included, and no instructions on how to obtain the DVD. If reads this please contact me at my e-mail address for this account.

This text is a good introduction about aircraft design and covers the basis of various aspects such as aerodynamics, performance, stability & control, structures, sizing and conceptual design. However, this is not an advanced text and I recommend this book only for first or second year aerospace engineering students. Indeed, there are more advanced and useful texts about aeronautical design on the market such as Aircraft Design by Raymer and Airplane Design by Roskam (published in 7 volumes). Also, you need to read more specialized texts in order to get a better understanding of the covered topics, for example Fundamentals of Aerodynamics by Anderson or Aircraft Performance by Saarlal.

Good book, easy to understand. Starts from the basics then progressively moves forward in an intuitive fashion making things easy to understand. Upon completion of this book, I feel confident I could design an aircraft from the bottom up given a particular set of constraints. I am an aerospace engineer by profession and I still find myself referencing this book very frequently.

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