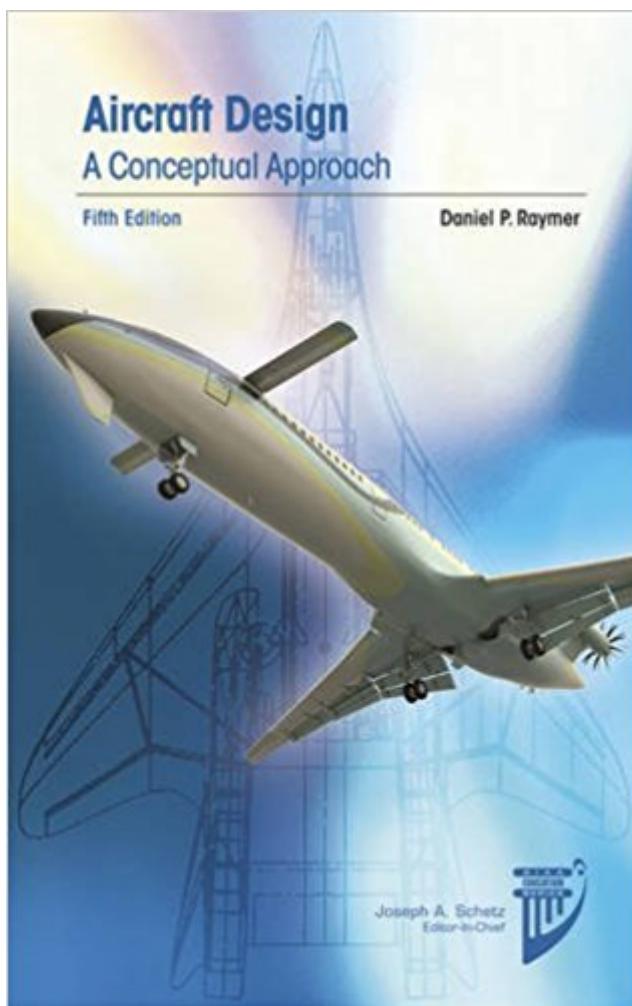


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# Aircraft Design: A Conceptual Approach (Aiaa Education Series)



## Synopsis

Presents the entire process of aircraft conceptual design - from requirements definition to initial sizing, configuration layout, analysis, sizing, optimization, and trade studies. Using a real-world approach to the process of design, this title features more than 900 pages of design methods, illustrations, tips, explanations, and equations.

## Book Information

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Average Customer Review: 4.8 out of 5 starsÂ See all reviewsÂ (16 customer reviews)

Best Sellers Rank: #258,379 in Books (See Top 100 in Books) #28 inÂ Books > Engineering & Transportation > Engineering > Aerospace > Aircraft Design & Construction #100 inÂ Books > Textbooks > Engineering > Aeronautical Engineering #330 inÂ Books > Science & Math > Astronomy & Space Science > Aeronautics & Astronautics

## Customer Reviews

This book is very comprehensive, easy to read, and logical in its approach to teaching aircraft design. I also really like its extra sections that go into alternative aircraft designs. The appendix is also really helpful in that it goes through a few examples of taking a variety of aircraft from conceptual design to working out the details of its final dimensions. My coursework did not require that I look at these last resources in the book but they serve well as a starting point for where you can go after an introductory design course.

This book is extremely good, so easy someone in high school could use this. I recommend this to anyone who wants to learn how to become an AE Engineer (which this book also covers). One of the things I love about this the most is that it has entire sections of nomenclature in one easy to find spot along with many appendix's and complete math formulas along with how to the conversions. Best Book Ever!

What is incredibly helpful are the example designs at the end of the book which walk you through the process of where to start and how to use all the different equations.

For those wanting to know just how different designs compare, and how to calculate the effectiveness of component air-frame designs this is an excellent book.

My son is interested in aerospace and this was for him. It is a fantastic reference and he uses it frequently.

This book is very good for designers, not only for experts but also for engineers that want to learn about the principles. Fully recommended.

Good book, helps you understand step by step

Compared to other engineering textbooks, this book is very interesting, the author includes real-life examples and a nearly step-by-step outline of going through the design process. The book is very thick with "smaller" page width/height than normal 8 by 11 pages, making it awkward to transport/carry.

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