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# Airplane Design Part VIII (Volume 8)



## Synopsis

Airplane Design Part VIII: Airplane Cost Estimation: Design, Development, Manufacturing and Operating is the eighth book in a series of eight volumes on airplane design. The airplane design series has been internationally acclaimed as a practical reference that covers the methodology and decision making involved in the process of designing airplanes. Educators and industry practitioners across the globe rely on this compilation as both a textbook and a key reference. Airplane Design Part VIII: Airplane Cost Estimation: Design, Development, Manufacturing and Operating, familiarizes the reader with the following fundamentals: Cost definitions and concepts Method for estimating research, development, test and evaluation cost Method for estimating prototyping cost Method for estimating manufacturing and acquisition cost Method for estimating operating cost Example of life cycle cost calculation for a military airplane Airplane design optimization and design-to-cost considerations Factors in airplane program decision making

## Book Information

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## Customer Reviews

It's the most books ever wrote related to airplanes design, It's very helpful to aeronautical engineers and people how likes the basic rules to keep in mind to design aircrafts.

In a senior aerospace design class meant for four people, I was the fifth person in and performed a lot of calculations that a 'normal' engineer wouldn't do while trying for their grade in class. I took this

book and ran with it and calculated our design's research cost, prototype cost, and production cost and demonstrated the learning curve in manufacturing and how the cost decreased. While it wasn't exactly what the professors were used to, it did raise a few eyes and ears from the manufacturing companies who had come to listen to the class' proposals. It brought into light the finances involved in a new production, and not simply pure engineering.

It is a nice book, courier service is also great.

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