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# Airplane Design Part III: Layout Design Of Cockpit, Fuselage, Wing And Empennage: Cutaways And Inboard Profiles (Volume 3)



## **Synopsis**

Airplane Design Part III: Layout Design of Cockpit, Fuselage, Wing and Empennage: Cutaways and Inboard Profiles is the third 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 III: Layout Design of Cockpit, Fuselage, Wing and Empennage: Cutaways and Inboard Profiles, familiarizes the reader with the following fundamental: - Cockpit (or flight deck) layout design - Aerodynamic design considerations for the fuselage layout - Interior layout design of the fuselage - Fuselage structural design considerations - Wing aerodynamic and operational design considerations - Wing structural design considerations - Empennage aerodynamic and operational design considerations - Empennage structural and integration design consideration - Integration of propulsion system - Preliminary structural arrangement, material selection and manufacturing breakdown

## **Book Information**

Series: Airplane Design

Paperback: 462 pages

Publisher: DARcorporation; Revised edition (March 2, 2017)

Language: English

ISBN-10: 188488556X

ISBN-13: 978-1884885563

Product Dimensions: 8.5 x 1 x 11 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

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## **Customer Reviews**

Dr. Jan Roskam has authored ten books on airplane flight dynamics and airplane design. He co-authored Airplane Aerodynamics and Performance with Dr. CT. Lan. He has written more than 160 papers on these topics and authored the popular Roskam's War Stories. He has actively

participated in more than 36 major airplane programs. He retired as Ackers Distinguished Professor of Aerospace Engineering at The University of Kansas (KU) in 2003, where he taught airplane design, stability and control. Dr. Roskam retired as President of DARcorporation (Design, Analysis and Research Corporation) in 2004. He currently serves as an active consultant for DARcorporation, which develops and markets airplane design and analysis software, and is a successful private and government consulting firm.

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

Great service. Well done

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