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# Airplane Design Part VII: Determination Of Stability, Control And Performance Characteristics (Volume 7)



## Synopsis

Airplane Design Part VII: Determination of Stability, Control and Performance Characteristics is the seventh 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 VII: Determination of Stability, Control and Performance Characteristics familiarizes the reader with the following fundamentals: - Controllability, maneuverability and trim - Static and dynamic stability - Ride and comfort characteristics - Performance prediction methods - Civil and military airworthiness regulations for airplane performance and stability and control - The airworthiness code and the relationship between failure states, levels of performance and levels of flying qualities

## Book Information

Series: Airplane Design

Paperback: 368 pages

Publisher: Design, Analysis and Research Corporation (DARcorporation) (February 15, 2017)

Language: English

ISBN-10: 1884885543

ISBN-13: 978-1884885549

Product Dimensions: 8.5 x 0.8 x 11 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

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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.

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