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Introduction To Aeronautics, Third Edition (AIAA Education Series)



Synopsis

The most exciting moment for an aeronautical engineer is when his or her design becomes a working aircraft, the endpoint of a journey that begins in the classroom. A required textbook for all cadets at the United States Air Force Academy, *Introduction to Aeronautics: A Design Perspective* shows students the methods and thought processes involved in designing aircraft. They learn through the use of specific analytical principles, practical examples, and case studies, with corresponding problems to solve. The Third Edition includes new or revised material on: Stealth; Boundary Layer Equations; Maximum Trimmable Lift Coefficient; Drag Curves; Flight Test; Aircraft Mechanisms.

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Customer Reviews

The book is an excellent asset for any newly arrived student to the subject of aerospace design....
--The Aeronautical Journal, November 2015

STEVEN A. BRANDT, PhD, Lt. Col. USAF (Ret.), is a professor of aeronautics, an engineer, and a pilot with over 3000 hours flying time in jet fighter and training aircraft and over 30 years experience as a platform instructor. He has taught the capstone aircraft design course at USAFA for 25 years and was a pioneer in the use of design/build/fly as an instructional method. He is currently leading aircraft design projects for a number of government agencies and private corporations.

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