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## Aircraft Design: A Conceptual Approach 5e and RDSWin STUDENT 6.0 Set (Hardback)

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By Daniel P. Raymer

American Institute of Aeronautics Astronautics, United States, 2013. Hardback. Book Condition: New. 236 x 168 mm. Language: English . Brand New Book. AIAA s #1 Selling Textbook-50,000 Aerospace Engineers Can t Be Wrong! Winner of the AIAA Summerfield Book Award and the Aviation/Space Writers Association Award of Excellence. This best-selling textbook presents the entire process of aircraft conceptual design-from requirements definition to initial sizing, configuration layout, analysis, sizing, optimization, and trade studies. Widely used in industry and government aircraft design groups, Aircraft Design: A Conceptual Approach is also the design text at major universities around the world. A virtual encyclopedia of engineering, it is known for its completeness, easy-to-read style, and real-world approach to the process of design. Special Features: More than 900 pages of design methods, illustrations, tips, explanations, and equations; Overviews of lofting, subsystems, maintainability, producibility, vulnerability, and stealth; Concepts and calculation methods for aerodynamics, stability and control, propulsion, structures, weights, performance, and cost; Coverage of conventional and unconventional design methods, including UAV, canard, tandem wing, C-wing, oblique wing, asymmetrical, multi-fuselage, wing-in-ground-effect, and more; VTOL, helicopter, New Topics: Advice on how to become an aircraft designer; Electric aircraft, batteries, fuel cells, and solar cells; Green airplanes, including biofuels,...

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