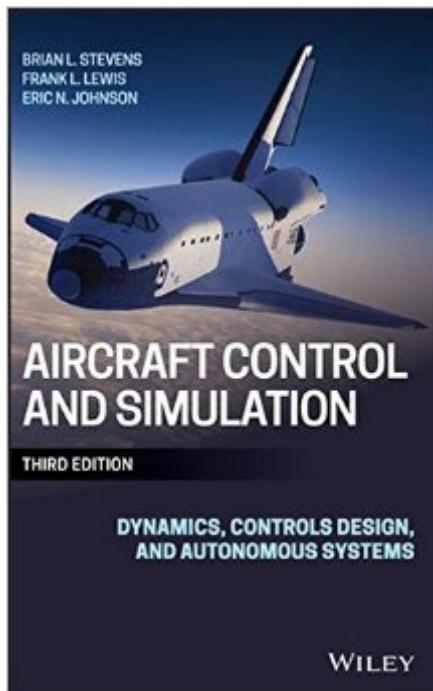


The book was found

Aircraft Control And Simulation: Dynamics, Controls Design, And Autonomous Systems



Synopsis

Get a complete understanding of aircraft control and simulation Aircraft Control and Simulation: Dynamics, Controls Design, and Autonomous Systems, Third Edition is a comprehensive guide to aircraft control and simulation. This updated text covers flight control systems, flight dynamics, aircraft modeling, and flight simulation from both classical design and modern perspectives, as well as two new chapters on the modeling, simulation, and adaptive control of unmanned aerial vehicles. With detailed examples, including relevant MATLAB calculations and FORTRAN codes, this approachable yet detailed reference also provides access to supplementary materials, including chapter problems and an instructor's solution manual. Aircraft control, as a subject area, combines an understanding of aerodynamics with knowledge of the physical systems of an aircraft. The ability to analyze the performance of an aircraft both in the real world and in computer-simulated flight is essential to maintaining proper control and function of the aircraft. Keeping up with the skills necessary to perform this analysis is critical for you to thrive in the aircraft control field. Explore a steadily progressing list of topics, including equations of motion and aerodynamics, classical controls, and more advanced control methods Consider detailed control design examples using computer numerical tools and simulation examples Understand control design methods as they are applied to aircraft nonlinear math models Access updated content about unmanned aircraft (UAVs) Aircraft Control and Simulation: Dynamics, Controls Design, and Autonomous Systems, Third Edition is an essential reference for engineers and designers involved in the development of aircraft and aerospace systems and computer-based flight simulations, as well as upper-level undergraduate and graduate students studying mechanical and aerospace engineering.

Book Information

Hardcover: 768 pages

Publisher: Wiley-Blackwell; 3 edition (November 2, 2015)

Language: English

ISBN-10: 1118870980

ISBN-13: 978-1118870983

Product Dimensions: 6.4 x 1.7 x 9.5 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ See all reviewsÂ (1 customer review)

Best Sellers Rank: #650,146 in Books (See Top 100 in Books) #85 inÂ Books > Engineering & Transportation > Engineering > Aerospace > Aircraft Design & Construction #322 inÂ Books >

Customer Reviews

This book is one of the best references on Flight Control System. Though I have earlier editions, this 3rd edition is enlarged with additional material

[Download to continue reading...](#)

Aircraft Control and Simulation: Dynamics, Controls Design, and Autonomous Systems Atmospheric and Space Flight Dynamics: Modeling and Simulation with MATLAB® and Simulink® (Modeling and Simulation in Science, Engineering and Technology) Developing ActiveX Web Controls: The Hands-On Guide to Creating Powerful Controls on the Web Visual Developer Creating ActiveX Controls with Visual Basic 5: The Comprehensive Guide for Creating Powerful Web Controls Show Networks and Control Systems: Formerly "Control Systems for Live Entertainment" Vintage Aircraft Nose Art: Over 1000 Photographs of Pin-Up Paintings on USA Military Aircraft in World War 2 and Korea The Vital Guide to Commercial Aircraft and Airliners: The World's Current Major Civil Aircraft Modern Military Aircraft: The World's Fighting Aircraft 1945 to the Present Day Classic Military Aircraft: The World's Fighting Aircraft 1914-1945 Thermal Analysis with SOLIDWORKS Simulation 2016 and Flow Simulation 2016 Dynamics AX Performance Optimization Guide: Fixing Troubles with Microsoft Dynamics AX and SQL Server Control Self-Assessment: Reengineering Internal Control (Enterprise Governance, Control, Audit, Security, Risk Management and Business Continuity) Aircraft Propulsion Systems Technology and Design (AIAA Education Series) (Reynolds Series in Sociology) Introduction to Autonomous Robots: Kinematics, Perception, Localization and Planning Where the Jews Aren't: The Sad and Absurd Story of Birobidzhan, Russia's Jewish Autonomous Region (Jewish Encounters Series) The Subversion of Politics: European Autonomous Social Movements and the Decolonization of Everyday Life The Art of Computer Systems Performance Analysis: Techniques for Experimental Design, Measurement, Simulation, and Modeling Fundamentals of Aircraft and Airship Design: Airship Design and Case Studies (Aiaa Education Series) Quality Systems and Controls for Pharmaceuticals Electrical Motor Controls for Integrated Systems Workbook

[Dmca](#)