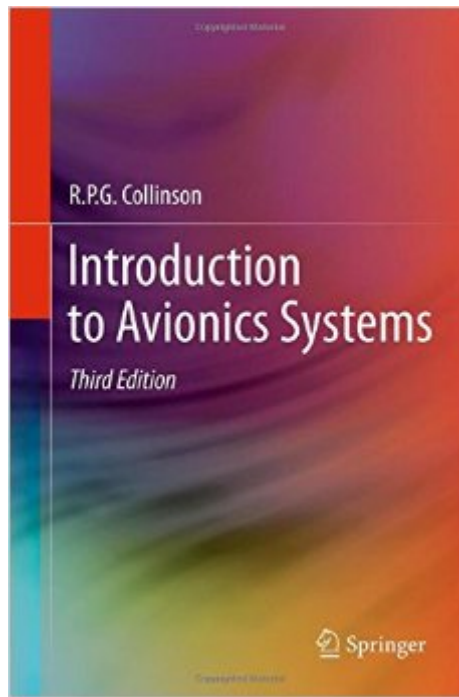


The book was found

Introduction To Avionics Systems



Synopsis

Introduction to Avionic Systems, Third Edition explains the basic principles and underlying theory of the core avionic systems in modern civil and military aircraft, comprising the pilot's head-up and head-down displays, data entry and control systems, fly by wire flight control systems, inertial sensor and air data systems, navigation systems, autopilots and flight management systems. The implementation and integration of these systems with current (2010) technology is explained together with the methods adopted to meet the very high safety and integrity requirements. The systems are analysed from the physical laws governing their behaviour, so that the system design and response can be understood and the performance examined. Worked examples are given to show how the theory can be applied and an engineering feel gained from a simplified model. Physical explanations are also set out and the text is structured so that readers can fast forward through the maths, if they so wish. Introduction to Avionic Systems, Third Edition meets the needs of graduates, or equivalent, entering the aerospace industries who have been educated in a wide range of disciplines, for example, electronic engineering, computing science, mathematics, physics, mechanical and aeronautical engineering. It also meets the needs of engineers at all levels working in particular areas of avionics who require an understanding of other avionic systems. Technology is continually advancing and this new third edition has been revised and updated and the presentation improved, where appropriate, The systems coverage has also been increased and a new section on helicopter flight control added.

Book Information

Hardcover: 530 pages

Publisher: Springer; 3rd ed. 2011 edition (July 1, 2011)

Language: English

ISBN-10: 940070707X

ISBN-13: 978-9400707078

Product Dimensions: 6.1 x 1.3 x 9.1 inches

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

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,686,161 in Books (See Top 100 in Books) #21 in Books > Engineering & Transportation > Engineering > Aerospace > Avionics #812 in Books > Textbooks > Engineering > Aeronautical Engineering #843 in Books > Engineering & Transportation > Engineering > Aerospace > Astronautics & Space Flight

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

Avionics: Elements, Software and Functions (The Avionics Handbook, Second Edition) Introduction to Avionics Systems Civil Avionics Systems (AIAA Education Series) Integrated Microwave Front-Ends with Avionics Applications (Artech House Microwave Library (Hardcover)) Principles of Avionics, Third Edition Avionics Installation Handbook Manual of Avionics Principles of Avionics (Library of Flight) Radar Techniques Using Array Antennas (FEE radar, sonar, navigation & avionics series) Performance and Evaluation of Lisp Systems (Computer Systems Series) Digital Speech: Coding for Low Bit Rate Communication Systems (Wiley Series in Communication and Distributed Systems) 2012 ASHRAE Handbook -- HVAC Systems and Equipment (I-P) - (includes CD in I-P and SI editions) (Ashrae Handbook Heating, Ventilating, and Air Conditioning Systems and Equipment Inch-Pound) Transplant Production Systems: Proceedings of the International Symposium on Transplant Production Systems, Yokohama, Japan, 21-26 July 1992 Database Systems: Design, Implementation, and Management (with Premium Web Site Printed Access Card) (Management Information Systems) Global Health Systems: Comparing Strategies for Delivering Health Systems Neuroanatomy in Clinical Context: An Atlas of Structures, Sections, Systems, and Syndromes (Neuroanatomy: An Atlas of Structures, Sections, and Systems ()) Show Networks and Control Systems: Formerly "Control Systems for Live Entertainment" Lean for Systems Engineering with Lean Enablers for Systems Engineering Managing Risk In Information Systems (Information Systems Security & Assurance) Real-Time Systems: Design Principles for Distributed Embedded Applications (Real-Time Systems Series)

[Dmca](#)