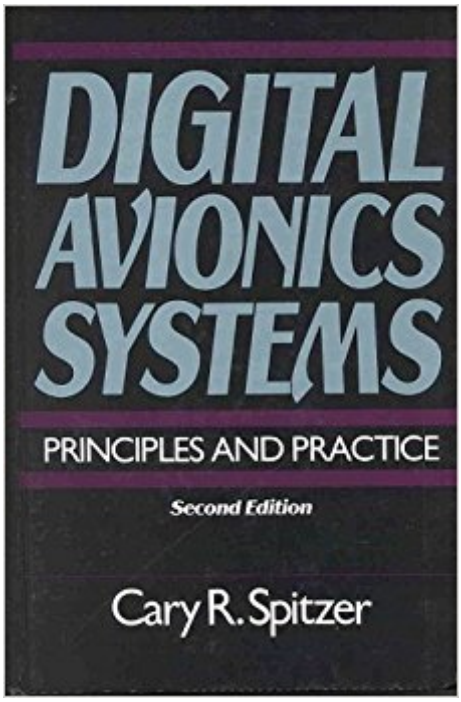
Digital Avionics Systems : Principles And Practice



Synopsis

Reflecting the dramatic advances in digital avionics that have occurred since the publication of the first edition of this book in 1987, this expanded and updated second edition provides professionals responsible for the design of aircraft avionics systems as well as students studying avionics with authoritative coverage of the latest innovations in this dynamic field. Covering the avionics systems design process from the definition of requirements to the integration of components and the assessment and validation of hardware and software components, the first half of the book provides in-depth looks at systems architecture, packaging, cooling, electromagnetic interference, cockpit layout, fault-tolerant systems and innovations in artificial intelligence. The second half presents quantitative information on data bus options, cockpit displays and I/O, power, maintainability and reliability, and life cycle costs. Both government and industry standards and guidelines are provided throughout. "Organizes and integrates the diverse facets of this young field into a self-consistent whole." IEEE Spectrum

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Customer Reviews

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Thank you!!!

Slightly dated but still very informative.

Digital Avionics Systems : Principles and Practice Digital Avionics Systems: Principles and Practices (Intel/McGraw-Hill series) Avionics: Development and Implementation (The Avionics Handbook, Second Edition) Avionics: Elements, Software and Functions (The Avionics Handbook, Second Edition) Jane's Avionics 2007-2008 (Jane's Flight Avionics) Digital Avionics Systems Rapid Prototyping Software for Avionics Systems: Model-oriented Approaches for Complex Systems Certification (Iste) Digital Avionics Handbook, Second Edition - 2 Volume Set (Electrical Engineering Handbook) Digital Avionics Handbook, Third Edition Test and Evaluation of Avionics and Weapon Systems (Electromagnetics and Radar) Test and Evaluation of Aircraft Avionics and Weapons Systems (Electromagnetics and Radar) Aircraft Systems: Mechanical, Electrical and Avionics Subsystems Integration (Aerospace Series) Aircraft Systems: Mechanical, Electrical and Avionics Subsystems Integration Flight Management Systems: The Evolution of Avionics and Navigation Technology (356) Software-Defined Avionics and Mission Systems in Future Vertical Lift Aircraft Aircraft Systems: Mechanical, Electrical, and Avionics Subsystems Integration (AIAA Education) Bitcoin Basics: Cryptocurrency, Blockchain And The New Digital Economy (Digital currency, Cryptocurrency, Blockchain, Digital Economy) Photography: DSLR Photography Secrets and Tips to Taking Beautiful Digital Pictures (Photography, DSLR, cameras, digital photography, digital pictures, portrait photography, landscape photography) Avionics Navigation Systems Introduction to Avionics Systems