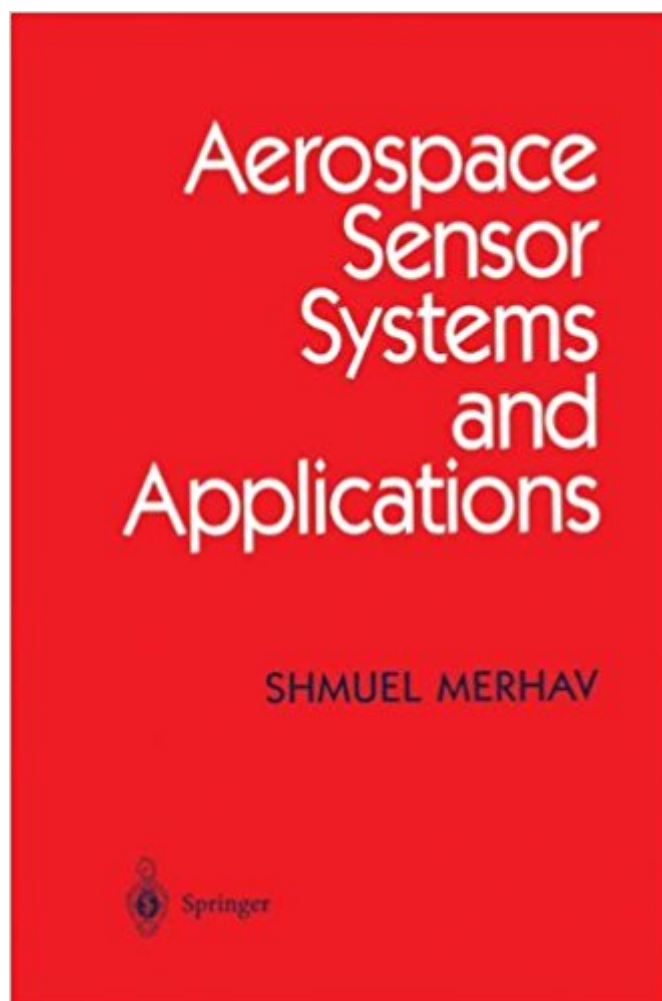


The book was found

Aerospace Sensor Systems And Applications



Synopsis

This book is about aerospace sensors, their principles of operation, and their typical advantages, shortcomings, and vulnerabilities. They are described in the framework of the subsystems where they function and in accordance with the flight mission they are designed to serve. The book is intended for students at the advanced undergraduate or graduate level and for research engineers who need to acquire this kind of knowledge. An effort has been made to explain, within a uniform framework of mathematical modeling, the physics upon which a certain sensor concept is based, its construction, its dynamics, and its error sources and their corresponding mathematical models. Equipped with such knowledge and understanding, the student or research engineer should be able to get involved in research and development activities of guidance, control, and navigation systems and to contribute to the initiation of novel ideas in the aerospace sensor field. As a designer and systems engineer, he should be able to correctly interpret the various items in a technical data list and thus to interact intelligently with manufacturers' representatives and other members of an R&D team. Much of the text has evolved from undergraduate and graduate courses given by the author during the past seventeen years at the Department of Aerospace Engineering at the Technion-Israel Institute of Technology and from his earlier research and development experience in flight control, guidance, navigation, and avionics at the Ministry of Defense Central Research Institute.

Book Information

Hardcover: 454 pages

Publisher: Springer; 1996 edition (February 18, 1998)

Language: English

ISBN-10: 0387946055

ISBN-13: 978-0387946054

Product Dimensions: 6.1 x 1.1 x 9.2 inches

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

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,294,250 in Books (See Top 100 in Books) #73 in [Books > Engineering & Transportation > Engineering > Aerospace > Avionics](#) #292 in [Books > Engineering & Transportation > Automotive > Repair & Maintenance > Electrical Systems](#) #353 in [Books > Engineering & Transportation > Engineering > Aerospace > Propulsion Technology](#)

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

Aerospace Sensor Systems and Applications Health Monitoring of Aerospace Structures: Smart

Sensor Technologies and Signal Processing Theory of Aerospace Propulsion, Second Edition (Aerospace Engineering) Theory of Aerospace Propulsion (Aerospace Engineering) Structural Analysis: With Applications to Aerospace Structures (Solid Mechanics and Its Applications) Remote Sensor Monitoring by Radio with Arduino: Detecting Intruders, Fires, Flammable and Toxic Gases, and Other Hazards at a Distance Building iPhone and iPad Electronic Projects: Real-World Arduino, Sensor, and Bluetooth Low Energy Apps in techBASIC Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action) Building Wireless Sensor Networks: with ZigBee, XBee, Arduino, and Processing A DEMONSTRATION OF DIGITAL RADIOGRAPHY Technique for the Bitewing Exposure (BW) and Periapical (PA) X-Ray with Digital Sensor Multi-Sensor Data Fusion with MATLAB® Sensor Technology Handbook Electronic Sensor Circuits & Projects, Volume III (Engineer's Mini Notebook) Robust and Adaptive Control: With Aerospace Applications (Advanced Textbooks in Control and Signal Processing) Quaternions and Rotation Sequences: A Primer with Applications to Orbits, Aerospace and Virtual Reality Design and Analysis of Composite Structures: With Applications to Aerospace Structures Plasma Engineering: Applications from Aerospace to Bio and Nanotechnology Nanotechnology: Understanding Small Systems, Third Edition (Mechanical and Aerospace Engineering Series) Principles of Sustainable Energy Systems, Second Edition (Mechanical and Aerospace Engineering Series) Aircraft Systems: Mechanical, Electrical and Avionics Subsystems Integration (Aerospace Series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)