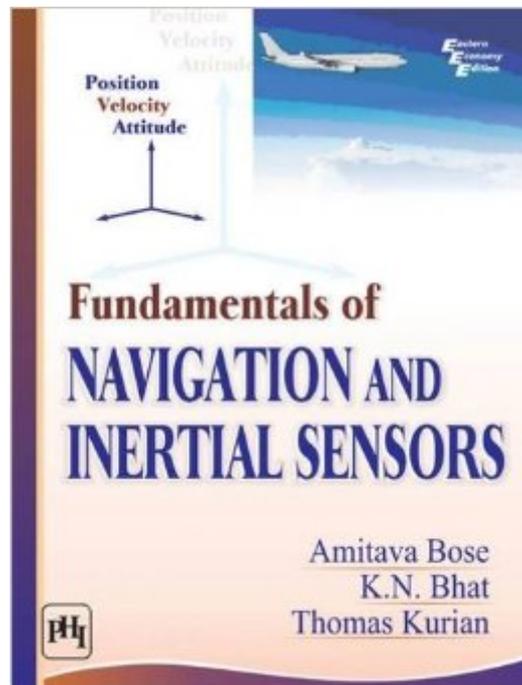The book was found

Fundamentals Of Navigation And Inertial Sensors

Synopsis

Navigation fundamentally provides information on position, velocity and direction which are needed for travel in ocean, land, air and in space. The myriad forms of navigation developed so far are collectively called modern navigation. This recent text discusses new promising developments that will assist the students when they enter their future professional career. It is the outcome of authors' wide experience in teaching, research and development in the field of navigation and inertial sensors. The content of the book is designed to impart adequate knowledge to the students in the area of navigation and related sensors. The text discusses inertial navigation, inertial sensors, mems based inertial sensors, satellite navigation, integrated inertial navigation, signal processing of inertial sensors and their applications. The chapters introduce all the topics in an easy to understand manner so that an appreciative understanding of the text matter can be made without resorting to equations and mathematics. Considerable references have been provided to enable both the students and the professors to dwell and learn more on the topics of their interest. This textbook is primarily intended to meet the academic needs of undergraduate and postgraduate students of aerospace engineering and avionics. Table of contents:prefaceacknowledgementsacronymsintroduction to navigationautonomous strapdown inertial navigationgyrosaccelerometermems based inertial sensorssatellite navigationintegrated inertial navigationsignal processing of inertial sensorsapplication of navigation and inertial sensorsappendicesa: laser principle and basic characteristics for gyro b: fibre optics features and basic characteristicsc: quality factord: inertial sensor noisee: glossary f: symbols references chapterwiseindex

Book Information

Computers & Technology > Networking & Cloud Computing > Internet, Groupware, & Telecommunications

Customer Reviews

Great content. However the pages before the TOC are missing

Has information most of us are not aware of in our mundane daily activities.

Fundamentals of Navigation and Inertial Sensors Strapdown Inertial Navigation Technology (IEE Radar, Sonar, Navigation and Avionics Series) Fundamentals of Inertial Navigation, Satellite-based Positioning and their Integration Principles of GNSS, Inertial, and Multisensor Integrated Navigation Systems, Second Edition (Artech House Remote Sensing Library) Surface Plasmon Resonance Based Sensors (Springer Series on Chemical Sensors and Biosensors) The Future Air Navigation System (FANS): Communications, Navigation, Surveillance - Air Traffic Management (CNS/ATM) Chemical Sensors and Biosensors: Fundamentals and Applications Environmental Electrochemistry: Fundamentals and Applications in Pollution Sensors and Abatement Fundamentals of Programmable Logic Controllers, Sensors, and Communications (3rd Edition) Inertial MEMS: Principles and Practice Fundamentals of Nursing: Human Health and Function (Craven, Fundamentals of Nursing: Human Health and Functionraven, Fundamentals of Nurs) Encyclopedia of Electronic Components Volume 3: Sensors for Location, Presence, Proximity, Orientation, Oscillation, Force, Load, Human Input, Liquid and ... Light, Heat, Sound, and Electricity Sensors, Actuators, and Their Interfaces: A Multidisciplinary Introduction (Materials, Circuits and Devices) Image Sensors and Signal Processing for Digital Still Cameras (Optical Science and Engineering) Encyclopedia of Electronic Components Volume 3: Sensors for Location, Presence, Proximity, Orientation, Oscillation, Force, Load, Human Input, Liquid ... Light, Heat, Sound, and Electricity Make: Sensors: A Hands-On Primer for Monitoring the Real World with Arduino and Raspberry Pi Handbook of Modern Sensors: Physics, Designs, and Applications Chemical Sensors and Biosensors Getting Started with Intel Edison: Sensors, Actuators, Bluetooth, and Wi-Fi on the Tiny Atom-Powered Linux Module (Make : Technology on Your Time) Getting Started with Sensors: Measure the World with Electronics, Arduino, and Raspberry Pi