Record Nr. UNINA9911019545303321

Autore Kayton Myron

Titolo Avionics navigation systems

Pubbl/distr/stampa [Place of publication not identified], : Wiley, 1997

ISBN 9780470318638

0470318635 9780470172704 0470172703

Edizione [2nd ed.]

Descrizione fisica 1 online resource (1 v.) : ill

Disciplina 629.135/1

Soggetti Avionics

Aids to air navigation Mechanical Engineering

**Engineering & Applied Sciences** 

Aeronautics Engineering & Astronautics

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Bibliographic Level Mode of Issuance: Monograph

Nota di bibliografia Includes bibliographical references and index.

Sommario/riassunto An indispensable resource for all those who design, build, manage, and

operate electronic navigation systems Avionics Navigation Systems, Second Edition, is a complete guide to the art and science of modern electronic navigation, focusing on aircraft. It covers electronic

navigation systems in civil and military aircraft, helicopters, unmanned aerial vehicles, and manned spacecraft. It has been thoroughly updated and expanded to include all of the major advances that have occurred since the publication of the classic first edition. It covers the entire field from basic navigation principles, equations, and state-of-the-art hardware to emerging technologies. Each chapter is devoted to a

its functions, design characteristics, equipment configurations, performance limitations, and directions for the future. You'll find everything you need to know about: Traditional ground-based radio navigation Satellite systems: GPS, GLONASS, and their augmentations

different system or technology and provides detailed information about

New inertial systems, including optical rate sensors, micromechanical accelerometers, and high-accuracy stellar-inertial navigators Instrument Landing System and its successors Integrated communication-navigation systems used on battlefields Airborne mapping, Doppler, and multimode radars Terrain matching Special needs of military aircraft And much more