

1. Record Nr.	UNINA9910139419503321
Autore	Kayton Myron
Titolo	Avionics navigation systems
Pubbl/distr/stampa	[Place of publication not identified], : Wiley, 1997
ISBN	0-470-31863-5 0-470-17270-3
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 Electronic books.
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 different system or technology and provides detailed information about 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 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
