

1. Record Nr.	UNINA9910483017503321
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Titolo	BDS/GPS dual-mode software receiver : principles and implementation technology // Yu Lu
Pubbl/distr/stampa	Singapore : , : Springer, , [2021] ©2021
ISBN	981-16-1075-4
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XIV, 519 p. 230 illus., 14 illus. in color.)
Collana	Navigation: Science and Technology ; ; Volume 10
Disciplina	621.384191
Soggetti	GPS receivers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Position, Coordinate Frame and Time System -- Introduction to Compass and GPS -- Navigation Signal Structure of Compass and GPS -- Acquisition and Tracking -- Measurement Error -- Satellite Orbit Calculation -- Position, Velocity and Time Resolution -- RF Front-end -- Implementation of Dual-System Software Receiver.
Sommario/riassunto	This book introduces readers to the algorithm of Compass & GPS dual-system software receivers, and to the software implementation. It provides detailed descriptions of key theories in the fields of signal processing, communication, control, and signal estimation. The book is based on the author's extensive experience in GNSS receiver design. The MATLAB script developed for this book demonstrates most of the key theories and equips the reader with excellent tools for practicing them.