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Descrizione fisica	1 online resource (293 pages)
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Soggetti	Global Positioning System Artificial satellites in navigation - China Artificial satellites in telecommunication - China
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Concept and application prospect of satellite positioning reporting engineering -- Principle of satellite positioning reporting -- Engineering design of satellite positioning reporting system -- Comprehensive theory of RDSS and engineering design -- Anti-interference and low exposure technology of satellite positioning user -- Concept of satellite navigation and principle of positioning and velocity measurement -- Performance demand and general design of RNSS -- System design of satellite navigation -- Design of satellite navigation operation control system -- Navigation satellite and navigation payload -- Satellite navigation user receiver.
Sommario/riassunto	This book provides a comprehensive and extensive description of the Beidou global navigation and positioning satellite system. Readers are first introduced to the fundamental and theoretical knowledge of a radio positioning satellite system, including fundamental concepts, basic principles, engineering design, integrity and security, and user equipment technology. The author then presents the design guidelines for radio navigation satellite systems, including performance requirements, system design, operation control system design, satellite

navigation payload design, user equipment design, application examples, and performance testing. The book provides a unique perspective on the Beidou system. . Highlights the technical features and broad application prospects of navigation, positioning and short message communication of the Beidou satellite system. Enhances understanding of the fundamentals and theories of radio navigation and positioning satellite systems. Offers practical guidelines on the design and construction of satellite systems GNSS Systems and Engineering: The Chinese Beidou Navigation and Position Location Satellite is a valuable reference text written by a senior engineer. It is intended for graduate students, researchers and engineers working on navigation and positioning satellite systems.

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