

1. Record Nr.	UNINA9910667495603321
Autore	Asphaug Viggo
Titolo	Global positioning systems [[electronic resource] /] / Viggo Asphaug and Elias Sorensen, editors
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2010 [Washington, D.C.] : , : U.S. Department of the Interior, National Park Service, Cultural Resources, Park Historic Structures & Cultural Landscapes, , [1998?]
ISBN	1-61324-734-6
Descrizione fisica	1 online resource (259 p.)
Collana	Space science, exploration and policies
Altri autori (Persone)	SorensenElias
Disciplina	910.285
Soggetti	Global Positioning System Distances United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""GLOBAL POSITIONING SYSTEMS ""; ""GLOBAL POSITIONING SYSTEMS""; ""CONTENTS ""; ""PREFACE""; ""HIGHER ORDER IONOSPHERIC ERRORS IN MODERNIZED GPS AND FUTURE GALILEO SYSTEMS""; ""Abstract""; ""Introduction""; ""Higher Order Ionospheric Effects""; ""Ionospheric Refractive Index""; ""Ionospheric Phase and Group Delays""; ""Ionospheric Effects on GNSS Observables""; ""Higher Order Effects Computation""; ""Third Order Residual Error""; ""Error due to TEC Difference""; ""Error due to Excess Path Length""; ""Residual Range Error in the Phase Combination"" ""Residual Range Error in the Code Combination"" ""Higher Order Effects Correction""; ""Residual Error (I?sTEC)tr Correction""; ""Residual Error (I?s3)tr Correction""; ""Excess Path Length (I?slen)tr Correction""; ""Quadruple-Frequency Combination""; ""New Dual-Frequency Combinations""; ""Impact of Ionosphere Free Combination""; ""Conclusion""; ""References""; ""HIGHWAY GEOMETRY DETERMINATION FROM GPS DATA""; ""Abstract""; ""Introduction""; ""Case Study""; ""GPS Devices""; ""Data Collection""; ""Data Post-Processing""; ""Determination of the Roadway Centerline""; ""Comparative Study"" ""Conclusion"" ""Acknowledgements""; ""References""; ""HOW LOCATION

PERFORMANCE INDEXES OF GPS RADIO COLLAR REFLECT LOCATION ERROR IN MOUNT FUJI, CENTRAL JAPAN"; "Abstract"; "Introduction"; "Methods"; "Study Area"; "Location Performance Tests"; "Data Analyses"; "Results"; "Summary of Location"; "Relationships among Location Performance Indexes"; "Discussion"; "Acknowledgements"; "References"

"APPLICATION OF A GEOGRAPHICAL INFORMATION SYSTEM (GIS) AND THE GLOBAL POSITIONING SYSTEM (GPS) TO DENGUE VIRUS VECTOR: Aedes Mosquitoes Distribution in an Epidemic Area of Thailand, A Technical Comment""Abstract"; "Introduction"; "Technical Comment"; "1. Study Design"; "2. Results"; "3. Discussion"; "References"; "ACCURATE GPS-BASED GUIDANCE OF AGRICULTURAL VEHICLES OPERATING ON SLIPPERY GROUND"; "Abstract"; "1. Introduction"; "2. Experimental Context"; "3. Vehicle Modeling"; "3.1. Modeling Assumptions and Notations"; "3.2. Vehicle Modeling under Non-sliding Assumption"; "3.3. Vehicle Modeling Accounting for Sliding Effects"; "3.4. Measurement and Estimation of Vehicle Variables"; "3.4.1. Direct Measurement of the Vehicle Location"; "3.4.2. Reconstruction of the Vehicle Heading"; "3.4.3. Estimation of the Sliding Variables"; "4. Path Following Control Law Design"; "4.1. Non-linear Control in Absence of Sliding"; "4.1.1. Conversion of Vehicle Model (10) into Chained Form"; "4.1.2. Non-linear Control Law Design"; "4.2. Internal Model Adaptive Control Accounting for Sliding Effects"; "4.3. Model Predictive Control Accounting for Actuator Features"
