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Autore	Ticio M. Emma
Titolo	The emergence of nominal expressions in Spanish-English early bilinguals : economy and bilingual first language acquisition / / Emma Ticio Quesada (Syracuse University)
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia : , : John Benjamins Publishing Company, , [2018] ©2018
ISBN	90-272-6322-1
Descrizione fisica	1 online resource (258 pages)
Collana	Studies in bilingualism (SiBil) ; ; Volume 56
Disciplina	468.0071
Soggetti	Spanish language - Acquisition Spanish language - Syntax Spanish language - Nominals Language acquisition Economy (Linguistics) Bilingualism in children
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Foundations of language acquisition -- Input, functional categories, and bilingualism -- The emergence and type of functional categories -- Modification and word order in bilingul nominal expressions -- Displacement and omission in the bilingual nominal expression -- Conclusions and further research.
Sommario/riassunto	"This monograph examines the first syntactic unit in child language by presenting a longitudinal multiple-case study that focuses on the inner structure of nominal expressions in bilingual or monolingual child Spanish. This compilation of case studies offers the first insight on some of the properties of nominal expressions in bilingual or monolingual child Spanish and test some of the current theoretical proposals to analyze the main syntactic properties and operations within the nominal phrase. The findings of the study suggest new directions to address some core questions about monolingual and bilingual language acquisition taking as a point of departure the notion

	of economy, prevalent in the most recent theoretical discussion. Given the combination of empirical and theoretical discussions, this monograph will be appealing to a broad range of researchers in syntax and language acquisition"--

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Autore	Grewal Mohinder S
Titolo	Global positioning systems, inertial navigation, and integration / / Mohinder S. Grewal, Lawrence R. Weill, Angus P. Andrews
Pubbl/distr/stampa	Hoboken, NJ, : Wiley-Interscience, c2001
ISBN	1-280-26472-1 9786610264728 0-471-20071-9
Descrizione fisica	1 online resource (415 p.)
Altri autori (Persone)	WeillLawrence R <1938-> (Lawrence Randolph) AndrewsAngus P
Disciplina	629.045 910 910.282
Soggetti	Global Positioning System Inertial navigation Kalman filtering
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	CONTENTS; PREFACE; ACKNOWLEDGMENTS; ACRONYMS; 1 Introduction; 1.1 GPS and GLONASS Overview; 1.2 Differential and Augmented GPS; 1.3 Applications; 2 Fundamentals of Satellite and Inertial Navigation; 2.1 Navigation Systems Considered; 2.2 Fundamentals of Inertial Navigation; 2.3 Satellite Navigation; 2.4 Time and GPS; 2.5 User Position Calculations with No Errors; 2.6 User Velocity Calculation with No Errors; Problems; 3 Signal Characteristics and Information Extraction; 3.1 Mathematical Signal Waveform Models; 3.2 GPS Signal Components, Purposes and Properties; 3.3 Signal Power Levels

3.4 Signal Acquisition and Tracking3.5 Extraction of Information for Navigation Solution; 3.6 Theoretical Considerations in Pseudorange and Frequency Estimation; 3.7 Modernization of GPS; 3.8 GPS Satellite Position Calculations; Problems; 4 Receiver and Antenna Design; 4.1 Receiver Architecture; 4.2 Receiver Design Choices; 4.3 Antenna Design; Problems; 5 GPS Data Errors; 5.1 Selective Availability Errors; 5.2 Ionospheric Propagation Errors; 5.3 Tropospheric Propagation Errors; 5.4 The Multipath Problem; 5.5 How Multipath Causes Ranging Errors; 5.6 Methods of Multipath Mitigation
5.7 Theoretical Limits for Multipath Mitigation5.8 Ephemeris Data Errors; 5.9 Onboard Clock Errors; 5.10 Receiver Clock Errors; 5.11 Error Budgets; Problems; 6 Inertial Navigation; 6.1 Background; 6.2 Inertial Sensors; 6.3 Navigation Coordinates; 6.4 System Implementations; 6.5 System-Level Error Models; Problems; 7 Kalman Filter Basics; 7.1 Introduction; 7.2 State and Covariance Correction; 7.3 State and Covariance Prediction; 7.4 Summary of Kalman Filter Equations; 7.5 Accpmmodating Correlated Noise; 7.6 Nonlinear and Adaptive Implementations; 7.7 Kalman-Bucy Filter
7.8 GPS Receiver ExamplesProblems; 8 Kalman Filter Engineering; 8.1 More Stable Implementation Methods; 8.2 Implementation Requirements; 8.3 Kalman Filter Monitoring; 8.4 Schmidt-Kalman Suboptimal Filtering; 8.5 Covariance Analysis; 8.6 GPS/INS Integration Architectures; Problems; 9 Differential GPS; 9.1 Introduction; 9.2 LADGPS, WADGPS, and WAAS; 9.3 GEO Uplink Subsystem (GUS); 9.4 GEO Uplink Subsystem (GUS) Clock Steering Algorithms; 9.5 GEO Orbit Determination; Problems; Appendix A: Software; A.1 Chapter 3 Software; A.2 Chapter 5 Software; A.3 Chapter 6 Software; A.4 Chapter 7 Software
A.5 Chapter 8 SoftwareAppendix B: Vectors and Matrices; B.1 Scalars; B.2 Vectors; B.3 Matrices; Appendix C: Coordinate Transformations; C.1 Notation; C.2 Inertial Reference Directions; C.3 Coordinate Systems; C.4 Coordinate Transformation Models; GLOSSARY; A; B; C; D; E; F; G; I; L; M; N; P; R; S; T; V; W; Y; REFERENCES; INDEX; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W; Y; Z

Sommario/riassunto

The only comprehensive guide to Kalman filtering and its applications to real-world GPS/INS problemsWritten by recognized authorities in the field, this book provides engineers, computer scientists, and others with a working familiarity with the theory and contemporary applications of Global Positioning Systems (GPS), Inertial Navigational Systems, and Kalman filters. Throughout, the focus is on solving real-world problems, with an emphasis on the effective use of state-of-the-art integration techniques for those systems, especially the application of Kalman filtering. To that end, the