图书基本信息

书名:《GeoSpatial Semantics地理空间语义学》

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内容概要

This book constitutes the refereed proceedings of the First International Conference on GeoSpatial Semantics, GeoS 2005, held in Mexico City, Mexico in November 2005. The 15 revised full papers presented together with 4 short papers were carefully reviewed and selected from 42 submissions. The papers are organized in topical sections on theories for the semantics of geospatial information, formal representations for geospatial data, similarity comparison of spatial data sets, ontology-based spatial information retrieval, and geospatial semantic Web.

书籍目录

Theories for the Semantics of Geospatial Information Comparing Representations of Geographic Knowledge Conceptual Graphs Ontology Ontogeny: Understanding How an Ontology Is Created and Expressed as Representing the Meaning of Spatial Behavior by Spatially Grounded Intentional SystemsFormal Developed Representations for Geospatial Data Processes and Events in Dynamic Geo-Networks A Qualitative Trajectory Calculus and the Composition of Its Relations Modeling Noteworthy Events in a Geospatial DomainSimilarity Comparison of Spatial Data Sets Measuring Semantic Similarity Between Geospatial Conceptual Regions Using Semantic Similarity Metrics to Uncover Category and Land Cover Change Measuring Arrangement Similarity Between Thematic Raster Databases Using a QuadTree-Based ApproachOntology-Based Spatial Information Retrieval Extending Semantic Similarity Measurement with Thematic Roles Exploiting Geospatial Markers to Explore and Resocialize Localized Documents Ontology Matching for Spatial Data Retrieval from Internet PortalsGeospatial Semantic Web Geospatial Semantic Web: Architecture of Ontologies Formal Approach to Reconciliation of Individual Ontologies for Personalisation of Geospatial Semantic Web Incorporating Update Semantics Within Geographical Ontologies Short Papers Purpose-Driven Navigation Mobile GIS: Attribute Data Presentation Under Time and Space Constraints Ontology-Driven Description of Spatial Data for Their Semantic Processing An Interstage Change Model for Sandbox Geography Author Index

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