



Encyclopedia of GIS

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Monografía

New In This Edition: This second edition of the Encyclopedia of GIS includes 30% to 50% new content. It provides up-to-date information on emerging topics such as spatial big data, smart-phone GIS, urban computing and mobile recommender systems. It also expands the first editions rich set of GIS-related commercial and societal applications such as geo-targeting, geo-fencing and understanding climate changes, while enabling more comprehensive coverage of classical GIS topics such as map projections, global positioning systems and spatial cognition. The entries explain the key software, data sets and processes used by geographers and computational scientists. Additionally, the reference emphasizes the role of GIS in business and mobile intelligence. By offering more diversified GIS-related topics from theory and research than most of the other available literature, the authors equip newcomers to the field with principles as well as applications. With an accessible breadth of content and intuitive A-Z organization, this new edition of the encyclopedia is an invaluable reference for newcomers to the field of GIS, as well as researchers, students, developers and professionals who are interested in exploring this new dynamic area. **Praise For The First Edition:** "The focus here, however, is on the mathematical and computational aspects of GIS . This is very welcome to those practitioners who have been less exposed to some of the mathematical and computational aspects of GIS. This is also very welcome to the researcher or graduate student within any of the interdisciplinary areas that use GIS. I highly recommend it." (Pascal V. Calarco, ACM Computing Reviews, November, 2008) "This single-volume reference work is a highly welcome addition to the rapidly advancing field of geographic information systems. Peer-reviewed entries from over 300 contributors cover 41 topical subfields, with an overall emphasis on computational aspects of GIS. The volume is adequately illustrated with 723 figures and 90 tables in black and white. A full bibliography and concise list of entry terms are provided at the back of the work. **Summing Up:** Highly recommended. Upper-division geography students through professionals." (C. E. Smith, CHOICE, Vol. 45 (11), 2008) "The encyclopedia is divided into 41 fields, each one an important sub-area within GIS. ... the editors organization of the material and comprehensive and systematic approach are superb and shall give students, eager readers as well as researchers an understanding of the topics in quite full depth and breadth. is lavishly illustrated with figures, graphs and tables, the design and execution of which are as perfect as the material they illustrate. it is sturdy and opens out nicely for study and reference." (Current Engineering Practice, 2008)

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