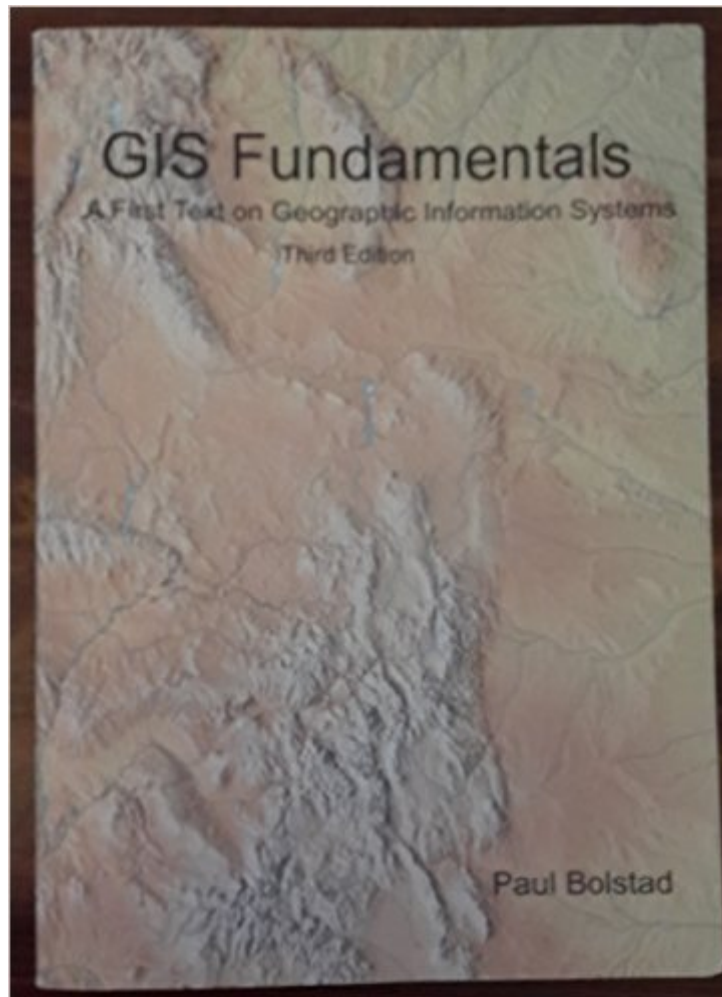


The book was found

GIS Fundamentals: A First Text On Geographic Information Systems, 3rd Edition



Synopsis

620 pp / Softcover Geographic Information Systems (GIS) are computer-based tools for the entry, maintenance, and analysis of spatially-referenced data. GIS are critical to the effective management of constructed and natural resources, and they have been applied in science, business, education, and government to improve our lives. This book provides a thorough introduction to the theory and application of GIS. The book is written for use as a textbook in an introductory course at the university level. It seeks to balance theoretical and applied material, so that students may apply knowledge of GIS in the solution of real-world problems. Topics include an introduction to GIS, spatial data models, map projections and coordinate systems, data entry, aerial photographs and satellite images, GPS, digital data, relational and other databases, vector and raster spatial analyses, terrain modeling, interpolation, cartographic modeling, metadata, standards, accuracy assessments, and a description of future trends.

Book Information

Paperback: 620 pages

Publisher: Eider Press; Third Edition edition (June 30, 2007)

Language: English

ISBN-10: 0971764727

ISBN-13: 978-0971764729

Product Dimensions: 9.9 x 6.9 x 1.6 inches

Shipping Weight: 2.8 pounds

Average Customer Review: 3.2 out of 5 stars [See all reviews](#) (15 customer reviews)

Best Sellers Rank: #114,758 in Books (See Top 100 in Books) #28 in [Books > Science & Math > Earth Sciences > Geography > Information Systems](#) #217 in [Books > Textbooks > Science & Mathematics > Earth Sciences](#)

Customer Reviews

I've been a GIS professional for > 12 years, and I don't think there is a better book if you want to know what you are actually doing in GIS operations, particularly at a cost that appears to approximately half or less than alternative basic books. I use ArcGIS every day, and ArcGIS/ESRI books are fine for learning the software. I've found these kind of books useful, but only for telling me how to do things, rather than what I should do, or to troubleshoot problems or understand data I get from various sources. The Arc books have a short shelf life, because the buttons to push and menus to access change with each version of the software (anyone living through the 3.3 to 8.x to

9.x to 10.x knows what I'm talking about), and ArcGIS focused books aren't too useful for the half the market that uses different softwares (QGIS, MapWindow, Manifold, IDRISI, etc. users out there). More importantly, most of those books don't tell you why you're doing something, or how to choose among the various method you might apply. Bolstad's GIS Fundamentals book is a pretty complete summary of all the important background material you need to use GIS intelligently, e.g., to figure out why your state plane data don't line up, or the difference between an international foot and a survey foot, or when you should use a convex hull vs. a kernel-based influence area. Sure it is a basic book, and you'll have to follow the references to really understand some of the more arcane nuances of GIS, but this book provides a solid foundation. There are chapters on basic data structures, map projections, GPS, images, and digital data which are quite helpful, and a good description of tables and tabular data queries, with great chapters on the basics of vector operations, raster, and terrain analysis.

[Download to continue reading...](#)

GIS Fundamentals: A First Text on Geographic Information Systems, 3rd edition
Getting Started with Geographic Information Systems (5th Edition) (Pearson Prentice Hall Series in Geographic Information Science)
Introductory Geographic Information Systems (Prentice Hall Series in Geographic Information Science)
Exploring the Urban Community: A GIS Approach (2nd Edition) (Pearson Prentice Hall Series in Geographic Information Science (Hardcover))
GIS Algorithms (SAGE Advances in Geographic Information Science and Technology Series)
Thinking About GIS: Geographic Information System Planning for Managers
Exploring the Urban Community: A GIS Approach (Pearson Prentice Hall Series in Geographic Information Science (Hardcover))
Fundamentals Of Information Systems Security (Information Systems Security & Assurance)
Information Sources in Science and Technology, 3rd Edition (Library and Information Science Text (Paperback))
Libraries in the Information Age: An Introduction and Career Exploration, 3rd Edition (Library and Information Science Text)
Designing Better Maps: A Guide for GIS Users
A Guide for GIS Users
Design Research in Information Systems: Theory and Practice: 22 (Integrated Series in Information Systems)
The ESRI Guide to GIS Analysis Volume 1: Geographic Patterns & Relationships
Geographic Information Science and Systems, 4th Edition
Geographic Information Science and Systems Introduction to Geographic Information Systems with Data Set CD-ROM
The Design and Implementation of Geographic Information Systems
Geographic Information Systems and Science
Texting Women: 7 Simple Steps From Text to Sex (Flirty Texts, Texting Girls, How To Text Girls, Art Seduction, How to Seduce a Woman, Funny Text, Pick Up Women, Funny Pick Up Lines, Picking Up Women)
Introduction to United States Government Information Sources, 6th

Edition (Library and Information Science Text (Paperback))

[Dmca](#)