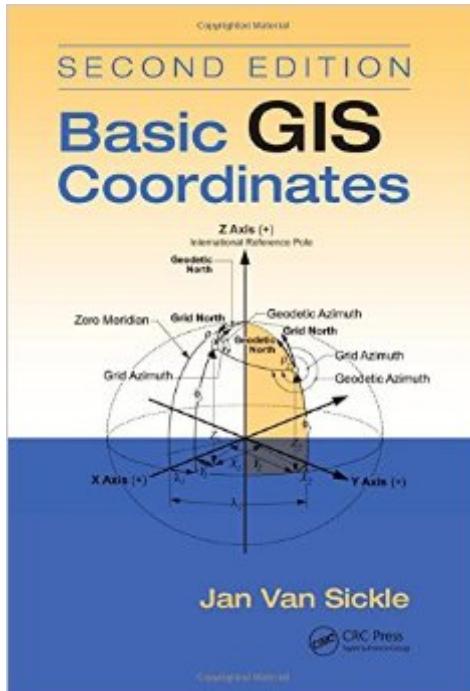


The book was found

# Basic GIS Coordinates, Second Edition



## Synopsis

Coordinates are the foundation of GIS, cartography, and surveying, to name just a few fields. Computers have an astounding capacity for repetition and they possess a superior ability to handle the mathematics behind coordinate manipulation •but they are very bad at interpreting coordinates and coordinate systems. Basic GIS Coordinates, Second Edition clearly illustrates the basic principles of coordinate systems, covering ellipsoids, datums, and plane coordinates as they are used in GIS and GPS. Keeping in mind that it is ultimately incumbent on humans to ensure the correct use of coordinate systems, this book explains complex topics in a logical progression, presenting them in a way that is neither too complicated nor oversimplified. This new edition of a bestseller expands the material with updates on what has occurred in the field during the past five years, especially in the World Geodetic System and International Terrestrial Reference Frame. It also addresses the upcoming GNSS constellations and coordinate implications. Details how to build a coordinate system Addresses different methods of leveling, as well as measuring and modeling of height and gravity Explores two-coordinate (state-plane, UTM) systems Discusses initial points and other aspects of the rectangular system Covers the geoid and the concepts of elevation There are thousands of horizontal geodetic datums and Cartesian coordinate systems currently sanctioned by governments around the world to describe our planet electronically and on paper. Even if a computer has done nothing wrong, coordinate errors can often occur and lead to potentially disastrous miscalculations. This book is a valuable tool to help readers develop an understanding of how coordinate systems work •and how they sometimes don't.

## Book Information

Hardcover: 200 pages

Publisher: CRC Press; 2 edition (April 21, 2010)

Language: English

ISBN-10: 1420092316

ISBN-13: 978-1420092318

Product Dimensions: 6.2 x 0.6 x 9.3 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars • See all reviews (3 customer reviews)

Best Sellers Rank: #1,083,641 in Books (See Top 100 in Books) #93 in Books > Computers & Technology > Programming > Graphics & Multimedia > GIS #242 in Books > Computers & Technology > Graphics & Design > Computer Modelling > Remote Sensing & GIS #1307

## Customer Reviews

Fantastic book full of knowledge waiting to be passed on to the interested reader willing to learn. Great introduction to many geodetic concepts. If you like GIS you can go a bit further by reading this book and gaining a more complete understanding of the power in spatial relationships.

This book i will recommend for having a first hand understanding of the establishment of the origin of coordinate system

I used this book as a reference text for a university Geodesy course. It was comprehensible and informativ . Definitely will use as reference in the future.

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

Basic GIS Coordinates, Second Edition Designing Better Maps: A Guide for GIS UsersA Guide for GIS Users Create Rectangular Coordinates: Step by Step Guide (Surveying Mathematics Made Simple) Inverse Between Rectangular Coordinates: Step by Step Guide (Surveying Mathematics Made Simple) (Volume 3) Transformations Of Coordinates, Vectors, Matrices And Tensors Part I: LAGRANGE'S EQUATIONS, HAMILTON'S EQUATIONS, SPECIAL THEORY OF RELATIVITY AND CALCULUS ... Mathematics From 0 And 1 Book 16) GIS Tutorial 1: Basic Workbook, 10.3 Edition GIS Tutorial 1: Basic Workbook, 10.1 Edition GIS Tutorial 1: Basic Workbook Getting to Know Web GIS: Second Edition GIS Cartography: A Guide to Effective Map Design, Second Edition Making Maps, Second Edition: A Visual Guide to Map Design for GIS GIS: A Computing Perspective, Second Edition Datums and Map Projections: For Remote Sensing, GIS and Surveying, Second Edition GIS Tutorial for Health, fifth edition: Fifth Edition Exploring the Urban Community: A GIS Approach (2nd Edition) (Pearson Prentice Hall Series in Geographic Information Science (Hardcover)) GIS Tutorial for Health, fifth edition Elements of Photogrammetry with Application in GIS, Fourth Edition Making Maps, Third Edition: A Visual Guide to Map Design for GIS GIS Fundamentals: A First Text on Geographic Information Systems, 3rd edition Basic and Clinical Pharmacology, 11th Edition (LANGE Basic Science)

[Dmca](#)