

This is a comprehensive and well-organized book covering the core concepts in Geographic Information System (GIS) and Surveying, like Foundations of Coordinate Systems, Building a Coordinate System, Heights, State Plane Coordinate Systems 27 and 83 as well as The rectangular System. Topics are clearly explained in a way that the reader can enjoy learning.

The book contains mathematical formulas accompanied by term-by-term explanations and supporting arguments. In the book, most of the formulas are followed by a numerical example to make it clear to the reader. Examples given are informative and mostly supported by a figure or diagram.

The author covers the topics in an interesting way by using well-explained figures. In the first chapter, author talks about the history and shape of the Earth explaining the Eratosthenes data, using detailed figures, which is actually the turning point for geodesy. This is one most the most important topics ignored in GIS and Surveying profession.

The book is easy to read and compact. The author describes different ways to describe a place by using different coordinate systems and how these different approaches result. There is a lack of a textbook, covering the basic concepts of GIS coordinates. This book can easily fill that gap.

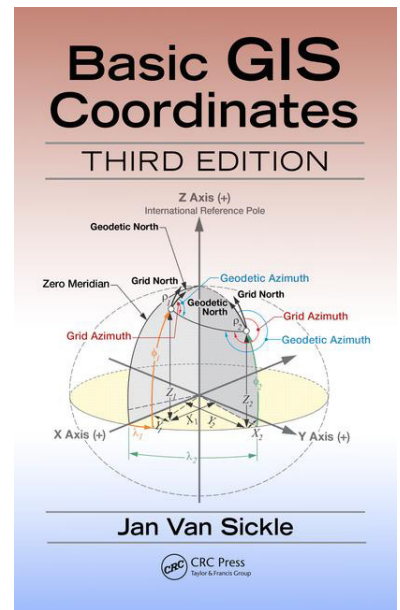
The author mentions the European centesimal system in the first chapter while talking about units, which is different from the American system, is a very interesting little detail. This little detail gives the reader a sense of GIS and Surveying in Europe.

The multiple-choice questions at the end of each chapter are informative; especially the explanation under each question clearly explains the correct answer and avoids any confusion. The students and professionals can use this part of the book as a self-study guide.

The material presented in the book is accurate, and up to date. It is a very hard task to keep everything up to date especially in the field of Coordinate systems in the USA, since a big change is coming soon. The author explains all the topics listed in the content effectively and treats each subject fairly. This is an excellent, practical book accomplishing its objectives. This book does not have many competitors and can fill a void in the available contemporary literature. It brings most of the vital concepts in GIS and coordinate systems together and explains them in an interesting and understandable way. I believe this book can be used as a guidebook by most of the GIS users and Surveying professionals, and take a good spot on their bookshelf.

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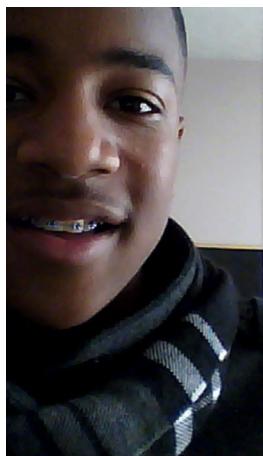


Basic GIS Coordinates 3rd Edition.

Jan Van Sickle

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