



Introduction to Geodesy: The History and Concepts of Modern Geodesy

By James R. Smith

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Geodesy is the science that deals with the Earth's figure and the interrelationship of selected points on its surface. This is the only book on the market designed to provide readers with an introduction to geodesy without the usual emphasis on complex mathematics. Describes such positioning techniques as horizontal and vertical geodetic datums. Satellite geodesy, electromagnetic distance measurement, laser ranging and emerging technologies including the global positioning techniques and GIS are among the topics discussed. Features scores of two-color diagrams and examples to facilitate understanding.

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Editorial Review

From the Publisher

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From the Back Cover

Geodesy made easy--an accessible introduction to a rapidly changing field

Geodesy is the science that deals with the earth's figure and the interrelationship of selected points on its surface. This user-friendly introduction presents what might be called "geodesy without mathematics." A revised edition of the author's Basic Geodesy, Introduction to Geodesy avoids complex formulas and equations and provides a broad overview for students and professionals who require a basic understanding of the subject.

Topics include:

- * Traditional survey positioning techniques
- * Geodetic systems, including horizontal and vertical geodetic datums
- * Physical geodesy
- * The world geodetic system
- * Satellite geodesy
- * The Global Positioning System
- * Gravity measures
- * Electromagnetic distance measurement
- * Projections
- * Examples of modern projects.

About the Author

James R. Smith, former principal lecturer in the Civil Engineering Department at the University of Portsmouth, is a member of the Land Survey Division of the Royal Institution of Chartered Surveyors, where he has been active for nearly 30 years.

Users Review

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