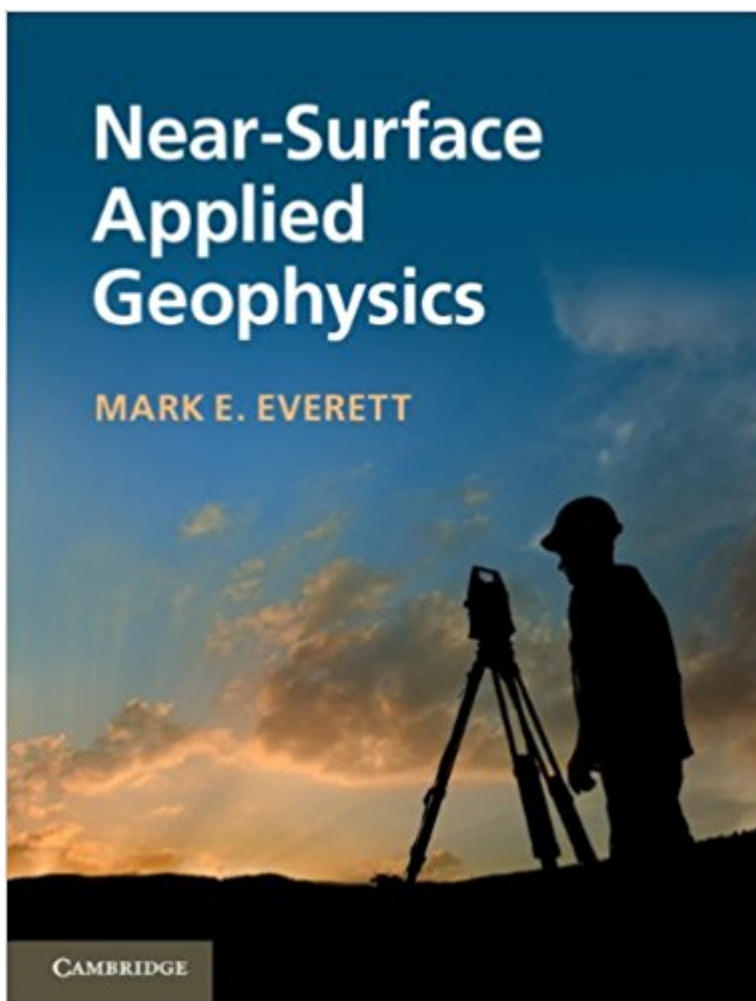


The book was found

Near-Surface Applied Geophysics



Synopsis

Just a few meters below the Earth's surface lie features of great importance, from geological faults which can produce devastating earthquakes, to lost archaeological treasures! This refreshing, up-to-date book explores the foundations of interpretation theory and the latest developments in near-surface techniques, used to complement traditional geophysical methods for deep-exploration targets. Clear but rigorous, the book explains theory and practice in simple physical terms, supported by intermediate-level mathematics. Techniques covered include magnetics, resistivity, seismic reflection and refraction, surface waves, induced polarization, self-potential, electromagnetic induction, ground-penetrating radar, magnetic resonance, interferometry, seismoelectric and more. Sections on data analysis and inverse theory are provided and chapters are illustrated by case studies, giving students and professionals the tools to plan, conduct and analyze a near-surface geophysical survey. This is an important textbook for advanced-undergraduate and graduate students in geophysics and a valuable reference for practising geophysicists, geologists, hydrologists, archaeologists, and civil and geotechnical engineers.

Book Information

File Size: 39908 KB

Print Length: 419 pages

Simultaneous Device Usage: Up to 4 simultaneous devices, per publisher limits

Publisher: Cambridge University Press; 1 edition (April 30, 2013)

Publication Date: May 10, 2013

Sold by: Amazon Digital Services LLC

Language: English

ASIN: B00BM4TH98

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Screen Reader: Supported

Enhanced Typesetting: Enabled

Best Sellers Rank: #353,164 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #17

in Kindle Store > Kindle eBooks > Nonfiction > Science > Earth Sciences > Geophysics #112

in Books > Science & Math > Earth Sciences > Geophysics #6479 in Books > Science &

Customer Reviews

This book was used for the first time in my Applied Geophysics course this past semester. This book was much harder to work with than the previous textbook for the course. There is no chapter on gravity methods, and the sections that are there seem to be lacking in clarity and useful equations. I would love to return this and purchase the other textbook instead, which I feel I could actually use.

good summary of different geophysics techniques. It needs more depth in some topics but it is a good book to start.

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

Near-Surface Geophysics (Investigations in Geophysics No. 13) Near-Surface Applied Geophysics Surface Wave Methods for Near-Surface Site Characterization Spectral Analysis in Geophysics (Development in Solid Earth Geophysics) Applied Geophysics An Introduction to Applied and Environmental Geophysics Introduction to Applied Geophysics: Exploring the Shallow Subsurface Best Hikes Near Anchorage (Best Hikes Near Series) Best Hikes Near Phoenix (Best Hikes Near Series) Best Hikes Near San Francisco (Best Hikes Near Series) Best Hikes Near Colorado Springs (Best Hikes Near Series) Best Hikes Near Denver and Boulder (Best Hikes Near Series) Coffee and Coffeehouses: The Origins of a Social Beverage in the Medieval Near East (Publications on the Near East) Best Hikes Near Vancouver (Best Hikes Near Series) Best Hikes Near Atlanta (Best Hikes Near Series) Best Hikes Near Raleigh, Durham, and Chapel Hill (Best Hikes Near Series) Best Hikes Near Cleveland (Best Hikes Near Series) Best Hikes Near Cincinnati (Best Hikes Near Series) Best Hikes Near Portland, Oregon (Best Hikes Near Series) Best Hikes Near Pittsburgh (Best Hikes Near Series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)