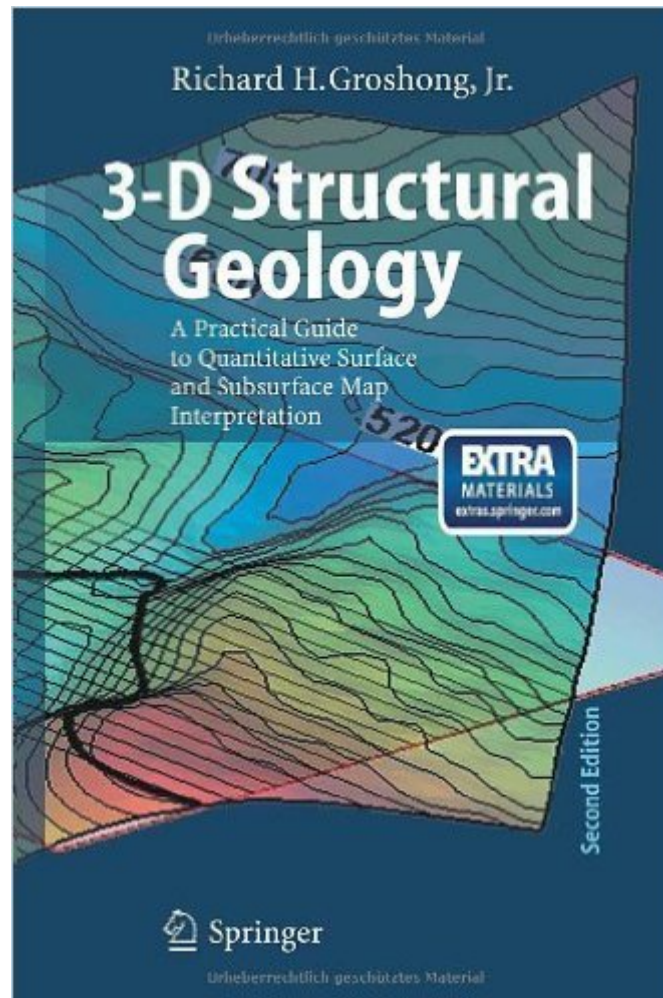


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# 3-D Structural Geology



## Synopsis

This is a handbook of practical techniques for making the best possible interpretation of geological structures at the map scale and for extracting the maximum amount of information from surface and subsurface maps. The 3-D structure is defined by internally consistent structure contour maps and cross sections of all horizons and faults. The book is directed toward the professional user who is concerned about both the accuracy of an interpretation and the speed with which it can be obtained from incomplete data. Quantitative methods are emphasized throughout, and numerous analytical solutions are given that can be easily implemented with a pocket calculator or a spreadsheet. Interpretation strategies are defined for GIS or CAD users, yet are simple enough to be done by hand. The user of this book will be able to produce better geological maps and cross sections, judge the quality of existing maps, and locate and fix mapping errors. The second edition has been reorganized to more nearly follow the typical interpretation workflow. A significant amount of new material has been added, in particular numerous examples of 3-D models and techniques for using kinematic models to predict fault and ramp-anticline geometry.

## Book Information

File Size: 12814 KB

Print Length: 400 pages

Publisher: Springer Berlin Heidelberg; 2 edition (July 9, 2006)

Publication Date: July 9, 2006

Sold by: Digital Services LLC

Language: English

ASIN: B001C7Y9B6

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,782,283 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #56

in Books > Science & Math > Earth Sciences > Geology > Structural #244 in Books >

Engineering & Transportation > Engineering > Civil & Environmental > Earthwork Design #634

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## Customer Reviews

It is a good book for basic 3D simulation and easy to understand the 3D simulation terms.

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[Spiral-bound] Structural Stability of Steel: Concepts and Applications for Structural Engineers The Encyclopedia of Structural Geology and Plate Tectonics (Encyclopedia of Earth Sciences Series) Structural Geology Basic Methods of Structural Geology Fundamentals of Structural Geology Structural Geology Algorithms: Vectors and Tensors Earth Structure: An Introduction to Structural Geology and Tectonics Structural Geology: Principles Concepts and Problems (2nd Edition) 3-D Structural Geology: A Practical Guide to Quantitative Surface and Subsurface Map Interpretation Foundations of Structural Geology Structural Geology by Fossen, Haakon 1st (first) Edition [Hardcover(2010)] Studyguide for Structural Geology of Rocks and Regions by Davis, George H. Structural Geology: The Mechanics of Deforming Metamorphic Rocks The Techniques of Modern Structural Geology: Folds and Fractures Structural Geology (Laboratory Manual) Structural Geology (10) by Fossen, Haakon [Hardcover (2010)]

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