

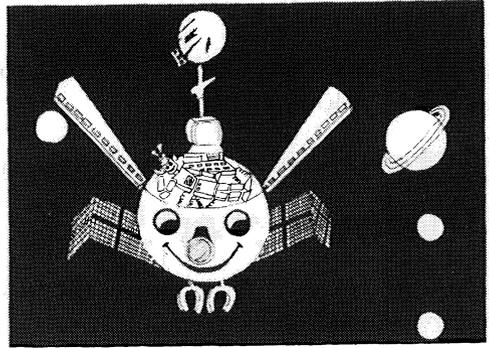
Topics in Geophysics

I. Palaz, S. Sengupta (Eds.)

Automated Pattern Analysis in Petroleum Exploration

1992. XV, 295 pp. 213 figs. Hardcover DM 154,-
ISBN 3-540-97468-7

Here is a state-of-the-art survey of artificial intelligence in modern exploration programs. Focussing on standard exploration procedures, the contributions examine the advantages and pitfalls of using these new techniques, and, in the process, provide new, more accurate and consistent methods for solving old problems. They show how expert systems can provide the integration of information that is essential in the petroleum industry when solving the complicated questions facing the modern petroleum geoscientist.



Future remote sensor – a cartoon sketch

Y. V. Riznichenko

Problems of Seismology

1992. XVIII, 445 pp. 129 figs. 23 tabs. Hardcover DM 309,-
ISBN 3-540-54230-2

These most significant papers by Y. V. Riznichenko are related to fundamental problems of seismology such as Source Seismology, Seismic Hazard, Seismotectonic Flow of Rock Masses, Geoacoustics and Structural Seismology. For the first time a complete overview of his work on seismology is available in English.

Jointly published by Springer-Verlag Berlin Heidelberg New York London Paris Tokyo Hong Kong Barcelona Budapest and MIR Publishers, Moscow, Russia

Distribution rights for the CIS, Iran, India and Eastern Europe: MIR Publishers, Moscow, Russia

P. Weimer, M. H. Link (Eds.)

Seismic Facies and Sedimentary Processes of Submarine Fans and Turbidite Systems

1991. XV, 447 pp. 337 figs. 20 tabs. (Frontiers in Sedimentary Geology) Hardcover DM 174,- ISBN 3-540-97469-5

Contents: Preface – Introduction. – Techniques and Topics in Turbidite Research. – Seismic Facies and Sedimentary Processes of Ancient Submarine Fans and Turbidite Systems. – Seismic Facies and Sedimentary Processes of Modern Submarine Fans and Turbidite Systems. – Appendix 1: Abstracts. – Index.

R. P. Gupta

Remote Sensing Geology

1991. XVI, 356 pp. 289 figs. 36 tabs. Hardcover DM 205,-
ISBN 3-540-52805-9

Remote Sensing Geology gives a full treatment of the subject by discussing remote sensing methods and applying them to geo-exploration.

The reader will find a wealth of information on:

- Various aspects of geological remote sensing, ranging from laboratory spectra of minerals and rocks, ground truth, to aerial and spaceborne remote sensing. – The integration of photogeology into remote sensing. – Remote sensing as a tool of geo-exploration. – A wide spectrum of geoscientific applications of remote sensing ranging from meso- to global scale.

The subject matter is introduced at a basic level serving students as an introductory text on remote sensing. The main part of the book will also be of value to active researchers.

D. Bahat

Tectonofractography

1991. XVIII, 354 pp. 197 figs. in 299 parts. Hardcover DM 309,-
ISBN 3-540-53281-1

This outstanding multidisciplinary study reviews the existence and behaviour of fractures (joints) and fracture surface morphology (fractography). The classification of characteristics will not only be useful for structural geologists, oil-, hydro-, and engineering geologists, but also for material sciences and environmental techniques.

Prices are subject to change without notice. All prices for books and journals include 7% VAT. In EC countries the local VAT is effective.

Springer-Verlag □ Heidelberg Platz 3, D-14197 Berlin, F. R. Germany □ 175 Fifth Ave., New York, NY 10010, USA □ 8 Alexandra Rd., London SW19 7JZ, England
□ 26, rue des Carmes, F-75005 Paris, France □ 37-3, Hongo 3-chome, Bunkyo-ku, Tokyo 113, Japan □ Room 701, Mirror Tower, 61 Mody Road, Tsimshatsui, Kowloon, Hong Kong
□ Avinguda Diagonal, 468-4^o C, E-08006 Barcelona, Spain □ Wesselényi u 28, H-1075 Budapest, Hungary



Springer

tm 959/MNT/E/1