GEOLOGY • REMOTE SENSING • EARTH SCIENCE



Aerospatial Remote Sensing in Geology

Jean-Yves Scanvic

Contents: 1. Remote Sensing in Geology 2. Geological Mapping and Remote Sensing 3. Image Lineaments 4. Circular Structures 5. Spectral Signatures of Minerals Rocks and Alterites: Problems of interpretation of Remotely Sensed Data 6. Remote Sensing Geobotany and Geological Landscape units 7. Geology and Digital Image Processing 8. Conclusions

9789054107255

280 (Hb)

₹ 2500.00

T & F India



Bio-Nano-Geo Sciences

The Future Challenge

Alok Srivastava Ipsita Roy

Contents: 1. Introduction 2. Preliminary Concepts 3. Continuum Mechanics Concepts 4. Linear Mechanical Models of Material Deformation 5. Non-linear Models for Fluids 6. Non-linear Models for Solids 7. Coupled Field Response of Special Materials 8. Concluding Remarks

9788180521805

256 (Hb)

₹ 795.00

Ane Books

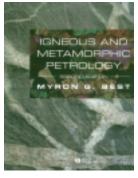


Future Trends in Remote Sensing

Preben Gudmandsen

Contents: 1. Future Trends in remote sensing 2. European Space Agency and Centre for earth observation 3. Methods, models, system aspects 4. Active microwaves 5. Land issues 6. Forest 7. Snow and ice 8. Ocean 9. Data fusion 10. Education

508 (Hb) 9789054109334 ₹ 2.500.00 T & F India



Igneous and **Metamorphic Petrology**

Myron G. Best

Contents: Preface. 1. Overview of fundamental concepts. 2. Composition and classification of magmatic rocks. 3. Thermodynamics and kinetics: an introduction. 4. Silicate melts and volatile fluids in magma systems. 5. Crystal-melt equilibria in magmatic systems. 6. Chemical dynamics of melts and crystals. 7. Kinetic paths and fabric of magmatic rocks. 8. Physical and thermal dynamics of bodies of magma. 9. Magma ascent and emplacement: field relations of intrusions. 10. Magma extrusion: field relations of volcanic rock bodies. 11. Generation of magma. 12. Differentiation of magmas. 13. Magmatic petrotectonic associations. 14. Metamorphic rocks and metamorphism: an overview. 15. Petrography of metamorphic rocks: fabric, composition, and classification. 16. Metamorphic mineral reactions and equilibria. 17. Evolution of imposed metamorphic fabrics: processes and kinetics. 18. Metamorphism at convergent plate margins: P-T-t paths, facies, and zones. 19. Precambrian rock associations. Appendix. Index.

9788126540617

752 (Hb)

₹ 3495.00

Blackwell / Ane



Kernel Methods for **Remote Sensing Data Analysis**

Gustavo Camps-Valls Lorenzo Bruzzone

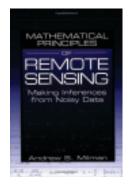
Contents: I: Introduction, II: Supervised image classification, III. Semisupervised image classification, IV. Function approximation and regression. V. Kernel-based feature extraction.

9780470722114

434 (Hb)

US\$ 140.00

John Wiley



Mathematical Principles of Remote Sensing

Andrew S. Milman

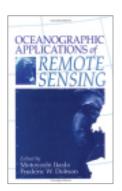
Contents: 1. Introduction 2. Light and Atoms 3. Instruments and Noise 4. Radiative Transfer 5. Covariance Matrices 6. Regression 7. Matrix Solution of Linear Equations 8. Fourier Transforms 9. Autocorrelation Functions and Spectra 10. Integral Equations 11. Iteration 12. Resolution and Noise 13. Convolution and Images 14. Mathematical Appendix

9781575041353

424 (Hb)

₹ 2500.00

T & F India



Oceanographic Applications of Remote Sensing

Motoyoshi Ikeda Frederic W Dobson

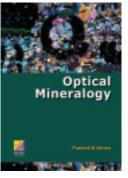
Contents: Part I: Ocean Circulation Dynamics, Mesoscale Variability, Tides, Shelf Circulation, and Internal Waves, Basin-Scale Circulation, Equatorial Dynamics, Part II: Water Properties, Large Scale Ocean Temperature, Ocean Color, Part III: Wind, Wind Waves, and the Marine Boundary Layer, Wind and Wind Stress, Wind-Generated Waves, Marine Boundary Layer, Part IV: Application to Sea Ice, Ice Surface Condition, Ice Movement, Waves in Ice-Covered Oceans, Part V: Appendices

9780849345258

512 (Hb)

₹ 2500.00

T & F India



Optical Mineralogy



K Pramod Verma

Contents: Part I: Principles and Techniques of Optical Mineralogy, 1. Properties of Light, 2. Sample Preparation for Transmitted Microscopy, 3. Refractometry, 4. Optical Crystallography, 5. The Polarizing Microscope, 6. Microscopic Examination of Minerals I: Orthoscopic Condition, 7. Microscopic Examination of Minerals II, 8. Microscopic Examination of Minerals III: Conoscopic Condition, 9. Reorienting Techniques, 10. New Frontiers in Microscopy, Part II: Systematic Description of Common Rock Forming Minerals, 11. Nesosilicates, 12. Sorosilicates and Cyclosilicates, 13. Inosilicates, 14. Phyllosilicates, 15. Tektosilicates, 16. Non-silicates

9789380156088 382 (Hb)

₹ 1995.00

Ane Books



Satellite Remote Sensing of Natural Resources

David L Verbyla

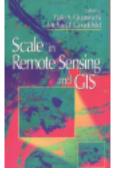
Contents: Preface. Satellite Images: Raster Image Data. Remote Sensing Detectors. Scanning Systems. Image Scale and Resolution. Major Satellite Systems Used in Natural Resources Management. Problems. Additional Readings. Image Processing Systems: Computer Fundamentals. Display of Panchromatic Images. Contrast Enhancements. Display of Color Images. Image Magnification and Reduction. Problems. Additional Readings. Spectral Regions: Introduction. Spectral Regions. Vegetation Spectral.

9781566701075

224 (Hb)

₹ 2500.00

T & F India



Scale in Remote **Sensing and GIS**

Dale A Quattrochi Michael F Goodchild

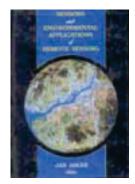
Contents: Introduction: Scale, Multiscaling, Remote Sensing, and GIS. Multiscale Nature of Spatial Data in Scaling Up Environmental Models. Scale Dependence of NDVI and its Relationship to Mountainous Terrain. Understanding the Scale and Resolution Effects in Remote Sensing and GIS. Multiresolution Covariation among Landsat and AVHRR Vegetation Indices. Multiscaling Analysis in Distributed Modeling and Remote Sensing: An Application Using Soil Moisture. Examining the Effects of Sensor

9781566701044

432 (Hb)

₹ 2,500.00

T & F India



Sensors and **Environmental Applications** of Remote Sensing

Jan Askne

Contents: Welcome Address, Plenary Session, Land Applicatons, Cartogrphic Aspects, Oceans, Sea ice, Crysophere, Marine and inland waters, Atmosphere, Hazards, Sensors -Optical technique, Sensors Microwave technique, Remote Sensing Methodology, Author Index, Colour Plates.

9789054105244

432 (Hb)

₹ 2,500.00

T & F India



The Young **Potassic** Rocks

Alok K Gupta William S, Fyfe

Contents: 1. Introduction 2. Geochemistry of Constituent Minerals 3. Classification 4. Distribution of Potassic Rocks 5. Rare Earth and Trace Element Geochemistry 6. Physico-chemical Conditions of Formation 7. Feldspathoid-bearing Ternary Systems 8. The Incompatible Relationship Between Different Mineral Pairs in K-rich Rocks 9. Leucite-And Feldspar-bearing Systems 10. Melilite- And Leucite-bearing Systems 11. The System Leucite-akermanite-albite-sio2 12. The System Kalsilite-forsterite -sio2 And P-t Stabilitiy of Phlogopite, K-richterite and Phengite 13. High Pressure-temperature Study of K-rich Rocks 14. Tectonic Control 15. Origin of Potassium-rich Mafic and Ultramafic Rocks 16. Summary and Conlusions, References, Author Index, Subject Index.

9788180520020

392 (Hb)

₹ 1295.00

Ane Books