

1. Record Nr.	UNINA9910299456003321
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Titolo	Nuclear Geophysics : Applications in Hydrology, Hydrogeology, Engineering Geology, Agriculture and Environmental Science // by V.I. Ferronsky
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-12451-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (527 p.)
Collana	Springer Geophysics, , 2364-9119
Disciplina	526.1 55 550 551.3
Soggetti	Geophysics Hydrogeology Geotechnical engineering Sedimentology Medical physics Radiation Geophysics/Geodesy Geotechnical Engineering & Applied Earth Sciences Medical and Radiation Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Introduction: Fundamentals of Nuclear Physics -- 2. Methods Based on the Absorption of the Gamma-Ray Beam by Matter -- 3. The Gamma-Ray Back-Scattering Method -- 4. Neutron Back-Scattering Method -- 5. Penetration Logging Methods and Equipment -- 6. Theoretical Basis of Penetration Logging Tests -- 7. Experimental Studies and Interpretation of Penetration Logging Data -- 8. Application of Penetration Logging Techniques in Geoengineering Exploration -- 9. Stable Isotopes in Study of Global Hydrological Cycle -- 10. Cosmogenic Radioisotopes for Study of the Genesis and

Dynamics of Water -- 11. Radiogenic Isotopes in Dating of Natural Waters and Sediments -- 12. Radioactive Contamination of Natural Waters -- 13. Induced-Activity Method for Analysis of Rocks and Groundwaters -- Index.

Sommario/riassunto

The fundamentals of methods in nuclear geophysics and their practical applications in engineering geology, hydrology, hydrogeology, agriculture and environmental science are discussed in this book. The methods and apparatus based on absorption and scattering of gamma and neutron radiation for determination of density and soil moisture in natural conditions are presented in Chapters 2, 3, and 4. The theoretical fundamentals and installations of the penetration logging techniques where gamma, gamma-gamma and neutron logging in combination with static penetration form common complexes for engineering geology and hydrogeology exploration without boring holes are described. The developed constructions and practical use penetration logging installations for applications on land and marine shelves are described in Chapters 5, 6, 7, and 8. The physical fundamentals for the use of the natural stable and radioactive isotopes for study of the global hydrological cycle are provided. The experimental data, origin and distribution of cosmogenic and radiogenic isotopes in the oceans, atmospheric moisture, surface and underground waters are presented in Chapters 9, 10, and 11. The sources and conditions of the radioactive contamination of the natural waters are discussed in Chapters 12 and 13. This book will be of interest to scientists and researchers who use nuclear geophysics methods in engineering geology, hydrology, hydrogeology and hydrogeocology. Lecturers, students, and postgraduates in these subjects will also find it useful.

2. Record Nr.	UNINA9910891282603321
Titolo	International journal of algebra
Pubbl/distr/stampa	Ruse, Bulgaria, : Hikari Ltd., [2007]-
ISSN	1314-7595
Edizione	[Online ed.]
Soggetti	Algebra - Research Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed
Sommario/riassunto	The International Journal of Algebra is a new journal to be published from 2007. The aim of the journal is to provide fast publication of refereed, high quality original research papers in all branches of pure and applied algebra.