Mathematics A Simple Tool For Geologists Second Edition

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Geologists and Hydrogeologists Applied Geophysics for Geologists and Engineers Rethinking the Fabric of Geology Applied Subsurface Geological Mapping with Structural Methods Stereographic Projection Techniques for Geologists and Civil Engineers Geological Survey Bulletin Richard Chapman Edward Hitchcock L. L. Nettleton John PHILLIPS (F.R.S.) Edward Hitchcock Tony Waltham James Finlay Weir Johnston Geological Survey (U.S.) Geological Survey of the Territories (U.S.) George WIGHT (Presbyterian Minister.) C. Gribble Carl A. Moore Yudi Satria Purnama Fakhry A. Assaad D. H. Griffiths Victor R. Baker Daniel J. Tearpock Richard J. Lisle

all geologists need a broad understanding of science to understand the processes they study and analytical techniques in particular geology students need to grasp the basic physics behind these processes which this book provides in plain language and simple mathematics it gives the reader information that will enable him to ascertain the validity of what he reads in scientific literature water an essential component of geology is emphasized and many published errors on water are discernible when armed with this text this updated edition discusses a wide range of topics including electromagnetic radiation from optics to gamma rays atomic structure and age dating heat and heat flow electricity and magnetism stress and strain sea waves acoustics and fluids and fluid flow the book gives basic definitions and dimensions and also some warnings about misunderstanding mathematical statistics particularly of linear regression analysis and unenlightened computation

reprint of the original first published in 1841 the antigonos publishing house specialises in the publication of reprints of historical books we make sure that these works are made available to the public in good condition in order to preserve their cultural heritage

the second edition of this well established book provides a readable and highly illustrated overview of the main facets of geology for engineers comprehensively updated and with four new sections foundations of engineering geology covers the entire spectrum of topics of interest to both student and practitioner

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covers the fundamentals of all currently used methods seismic electrical electromagnetic gravity magnetic borehole logging and remote sensing and pays special attention to the seismic refraction and electrical resistivity techniques which are the ones most commonly used in engineering and groundwater geophysics the main changes in this new edition of applied geophysics for engineers and geologists apart from a general updating and conversion to si units is a more extensive treatment of electromagnetic and induced polarisation methods and of geophysical borehole logging the seismic reflection method is also treated more fully in view of its great importance in petroleum prospecting problems with answers are also included taken together the changes are so great that this is virtually a new book as is suggested by the change in title

the 50 years since the publication of fabric of geology edited by c c albritton jr have seen immense changes in both geology and philosophy of science rethinking the fabric of geology explores a number of philosophical issues in geology ranging from its nature as a historical science to implications for geological education provided by publisher

applied subsurface geological mapping with structural methods 2nd edition is the practical up to the minute guide to the use of subsurface interpretation mapping and structural techniques in the search for oil and gas resources two of the industry s leading consultants present systematic coverage of the

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the stereographic projection is an essential tool in the fields of structural geology and geotechnics which allows three dimensional orientation data to be represented and manipulated this book has been designed to make the subject as accessible as possible it gives a straightforward and simple introduction to the subject and by means of examples illustrations and exercises encourages the student to visualise the problems in three dimensions students of all levels will be able to work through the book and come away with a clear understanding of how to apply these vital techniques this revised edition contains additional material on geotechnical applications improved illustrations and links to useful web resources and software programs it will provide students of geology rock mechanics geotechnical and civil engineering with an indispensable guide to the analysis and interpretation of field orientation data

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