

Computers & Geology Volume 2

# Recent Advances in **GEOMATHEMATICS** An International Symposium

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Proceedings of papers presented at sessions  
sponsored by the International Association  
for Mathematical Geology at the 25th  
International Geological Congress  
in Sydney, Australia, August 1976.

**Pergamon Press**

# Recent Advances In Geomathematics

**D. F. Merriam**



## **Recent Advances In Geomathematics:**

**Recent Advances in geomathematics** Daniel Francis Merriam,1978      **Geomathematical and Petrophysical Studies in Sedimentology** Dan Gill,Daniel F Merriam,2015-12-04 Computers Geology Volume 3 Geomathematical and Petrophysical Studies in Sedimentology presents a collection of papers concerned with interpretation of sediment properties from mechanical logs and seismic profiles This book covers stimulation of groundwater flow atmospheric conditions bed thickness and stratigraphic data Organized into 17 chapters this volume begins with an overview of the FORTRAN program designed to duplicate and simplify the mental processes that lead to an interpretation of a depositional setting This text then examines a simple stochastic sedimentation model of turbidite sequences that assumes a bed thickness corresponding to a waiting time between turbidity currents Other chapters consider the study of a system s response to different disturbances This book discusses as well the Monte Carlo model to reconstruct open array correlation matrices from coefficients drawn from closed percent systems The final chapter deals with bivariate allometric equation This book is a valuable resource for petroleum geologists and research workers      Handbook of Mathematical Geosciences B.S. Daya Sagar,Qiuming Cheng,Frits Agterberg,2018-06-25 This Open Access handbook published at the IAMG s 50th anniversary presents a compilation of invited path breaking research contributions by award winning geoscientists who have been instrumental in shaping the IAMG It contains 45 chapters that are categorized broadly into five parts i theory ii general applications iii exploration and resource estimation iv reviews and v reminiscences covering related topics like mathematical geosciences mathematical morphology geostatistics fractals and multifractals spatial statistics multipoint geostatistics compositional data analysis informatics geocomputation numerical methods and chaos theory in the geosciences      Handbook of Geomathematics Willi Freeden,M. Zuhair Nashed,Thomas Sonar,2010-08-13 During the last three decades geosciences and geo engineering were influenced by two essential scenarios First the technological progress has changed completely the observational and measurement techniques Modern high speed computers and satellite based techniques are entering more and more all geodisciplines Second there is a growing public concern about the future of our planet its climate its environment and about an expected shortage of natural resources Obviously both aspects viz efficient strategies of protection against threats of a changing Earth and the exceptional situation of getting terrestrial airborne as well as spaceborne data of better and better quality explain the strong need of new mathematical structures tools and methods Mathematics concerned with geoscientific problems i e Geomathematics is becoming increasingly important The Handbook Geomathematics as a central reference work in this area comprises the following scientific fields I observational and measurement key technologies II modelling of the system Earth geosphere cryosphere hydrosphere atmosphere biosphere III analytic algebraic and operator theoretic methods IV statistical and stochastic methods V computational and numerical analysis methods VI historical background and future perspectives      **Recent Advances in Geomathematics 550.0151 MER.** D. F. Merriam,

**Gesamtverzeichnis der Kongress-Schriften in Bibliotheken der Bundesrepublik Deutschland einschliesslich Berlin (West): Registerband** Staatsbibliothek Preussischer Kulturbesitz. Abteilung Gesamtkataloge und Dokumentation, 1976      **Handbuch Oberflächennahe Geothermie** Mathias Bauer, Willi Freeden, Hans Jacobi, Thomas Neu, 2018-03-16 Das Handbuch vermittelt die Grundlagen wie das thermische Regime der Erde die oberflächennahe Geologie geologisch geophysikalische Grundlagen zugrunde liegende mathematische Methoden Risikomanagement und Bohrtechniken In den angewandten Kapiteln geht es konkret um Geothermieprojekte aus der Sicht eines Bauherren u a um Heizlastberechnung und die hydraulische Abgleichung daneben um das Projektmanagement zu berücksichtigende Umweltaspekte Finanzierung und Fördermöglichkeiten und die Dimensionierung von Anlagen Auch Verfahrenstechnische Grundlagen die Maschinentechnik die Qualitätssicherung und Fragen der Kommunikation und Akzeptanz wie auch der Arbeitssicherheit und des Gesundheitsschutzes werden behandelt Auch wenn der Schwerpunkt des Handbuches auf Deutschland Österreich und der Schweiz liegt so wird auch auf die oberflächennahe Geothermiebranche weltweit eingegangen und Herausforderungen wie auch Chancen und Perspektiven aufgezeigt      **Deutsches Bücherverzeichnis**, 1987 Bde 16 18 21 and 28 each contain section Verlagsveränderungen im deutschen Buchhandel      Deutsche Bibliographie, 1976

**Recent Advances in Geomathematics - An International Symposium** D.F. Merriam, 2014-05-23 Recent Advances in Geomathematics An International Symposium      **Bibliographie der Deutschen Bibliothek**, 1979      **Handbuch Tiefe Geothermie** Mathias Bauer, Willi Freeden, Hans Jacobi, Thomas Neu, 2014-06-24 Das vorliegende Handbuch stellt erstmalig in deutscher Sprache umfassend alle Themen im Bereich Tiefe Geothermie von Prospektion Exploration Realisierung und Nutzung In zwei abschließenden Kapiteln werden Zukunft und Perspektiven von Tiefer Geothermie vorgestellt und diskutiert Die von anerkannten Spezialisten verfassten Artikel sind so konzipiert und geschrieben dass alle an der Konzeption und Erschließung tiefergeothermischer Ressourcen Beteiligten einen direkten Nutzen für ihre Arbeit daraus ziehen können

**Berliner geowissenschaftliche Abhandlungen**, 1979      Directory of Published Proceedings, 1990      **Recent Advances in Geomathematics and Geoinformatics** Niichi Nishiwaki, Nihon jōhō chishitsu gakkai, 1993      *Automated Stratigraphic Correlation* F.P. Agterberg, 1990-04-26 This book provides an introduction to recent developments in automated stratigraphic correlation of fossil data using computer programs for ranking and scaling of stratigraphic events Mainframes or microcomputers can be used to aid the stratigrapher during data inventory for a region or time period for construction of a biozonation based on stratigraphic events such as the latest appearance datum of a fossil species and for automated correlation The book is intended for advanced geology students research workers and teachers with a background in stratigraphy and an interest in using computer based techniques for problem solving      **Bibliographie der Bibliographien**, 1980-07      *Handbook of Recent Geological Studies of Moreton Bay, Brisbane River, and North Stradbroke Island* R. W. Day, 1978      **Deutsche Nationalbibliographie und Bibliographie des im Ausland erschienenen**

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