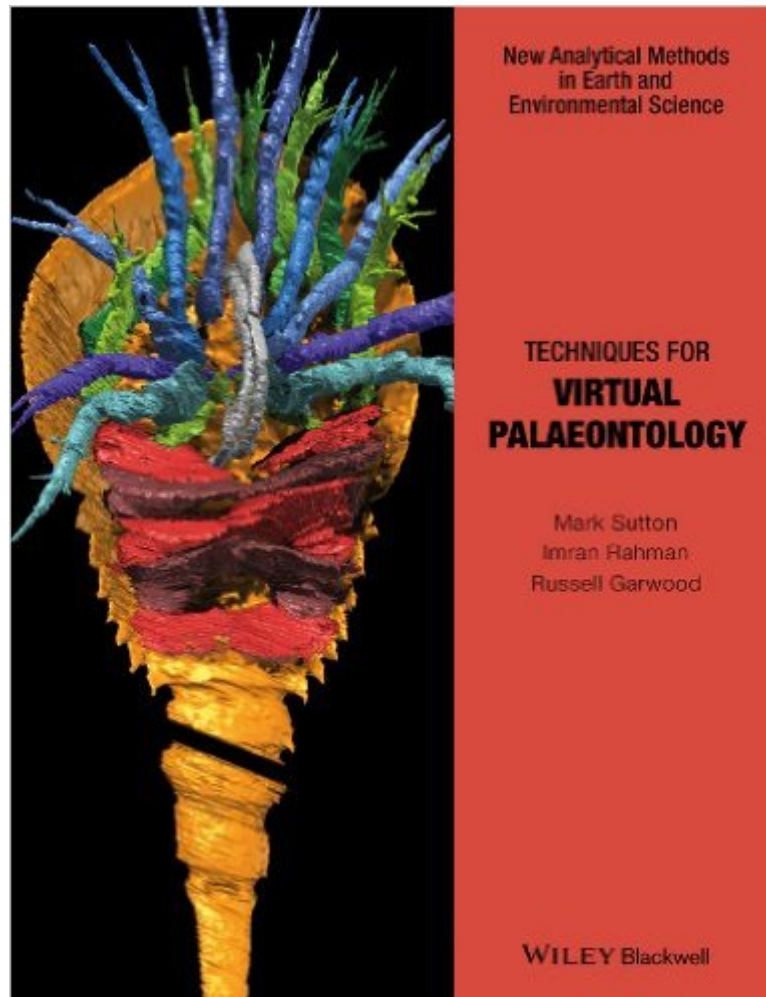


The book was found

Techniques For Virtual Palaeontology (Analytical Methods In Earth And Environmental Science)



Synopsis

Virtual palaeontology, the use of interactive three-dimensional digital models as a supplement or alternative to physical specimens for scientific study and communication, is rapidly becoming important to advanced students and researchers. Using non-invasive techniques, the method allows the capture of large quantities of useful data without damaging the fossils being studied. *Techniques for Virtual Palaeontology* guides palaeontologists through the decisions involved in designing a virtual palaeontology workflow and gives a comprehensive overview, providing discussions of underlying theory, applications, historical development, details of practical methodologies, and case studies. Techniques covered include physical-optical tomography (serial sectioning), focused ion beam tomography, all forms of X-ray CT, neutron tomography, magnetic resonance imaging, optical tomography, laser scanning, and photogrammetry. Visualization techniques and data/file formats are also discussed in detail. **Readership:** All palaeontologists and students interested in three-dimensional visualization and analysis. **New Analytical Methods in Earth and Environmental Science** Because of the plethora of analytical techniques now available, and the acceleration of technological advance, many earth scientists find it difficult to know where to turn for reliable information on the latest tools at their disposal, and may lack the expertise to assess the relative strengths or limitations of a particular technique. This new series will address these difficulties by providing accessible introductions to important new techniques, lab and field protocols, suggestions for data handling and interpretation, and useful case studies. The series represents an invaluable and trusted source of information for researchers, advanced students and applied earth scientists wishing to familiarise themselves with emerging techniques in their field. All titles in this series are available in a variety of full-colour, searchable eBook formats. Titles are also available in an enhanced eBook edition which may include additional features such as DOI linking, high resolution graphics and video.

Book Information

File Size: 2556 KB

Print Length: 209 pages

Page Numbers Source ISBN: 1118591135

Publisher: Wiley-Blackwell; 1 edition (October 23, 2013)

Publication Date: October 23, 2013

Sold by: Digital Services LLC

Language: English

ASIN: B00GKMGG5U

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #2,343,500 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #100

inÂ Books > Science & Math > Biological Sciences > Paleontology > Paleobiology #333 inÂ Kindle Store > Kindle eBooks > Nonfiction > Science > Biological Sciences > Paleontology #21307 inÂ Books > Science & Math > Evolution

[Download to continue reading...](#)

Techniques for Virtual Palaeontology (Analytical Methods in Earth and Environmental Science)
Techniques for Virtual Palaeontology Nuclear techniques in analytical chemistry, (International series of monographs on analytical chemistry) Real Virtual en la estetica y la teoria de las artes/Real Virtual in the Esthetic and the Theory of the Arts (Paidos Estetica / Ethetics) (Spanish Edition) Virtual Law: Navigating the Legal Landscape of Virtual Worlds ColonografÃfÃ- a por TC: Principios y prÃfÃ¡ctica de la colonoscopia virtual: Principios y prÃfÃ¡ctica de la colonoscopia virtual (Spanish Edition) Counterfactuals and Causal Inference: Methods and Principles for Social Research (Analytical Methods for Social Research) Invertebrate Palaeontology and Evolution, 4th, Fourth Edition Environmental Engineering and Sanitation (Environmental Science and Technology: A Wiley-Interscience Series of Texts and Monographs) Modeling and Analytical Methods in Tribology (Modern Mechanics and Mathematics) Radiochemistry and Nuclear Methods of Analysis (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Analysis and Purification Methods in Combinatorial Chemistry (Chemical Analysis: A Series of Monographs on Analytical Chemistry and Its Applications) Partial Differential Equations: Analytical and Numerical Methods, Second Edition Photometric Methods in Inorganic Trace Analysis (Comprehensive Analytical Chemistry) (Vol 20) High Throughput Screening: Methods and Protocols (Methods in Molecular Biology) (Methods in Molecular Biology, 190) Distributed Virtual Worlds: Foundations and Implementation Techniques Using VRML, Java, and CORBA Haptics for Virtual Reality and Teleoperation (Intelligent Systems, Control and Automation: Science and Engineering) Terminal Identity: The Virtual Subject in Postmodern Science Fiction The Good Earth: Introduction to Earth Science Graphic methods in structural geology, (The Century earth science series)

[Dmca](#)