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McMenamin, Mark A.S.

# Dynamic Paleontology

Using Quantification and Other Tools to Decipher the History of Life

- This book is needed because many contemporary analytical projects in the earth sciences would greatly benefit by refinement of the research approach at the initial stages of each investigation
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- This book will help to clarify matters, and dispel confusion with regard to proper deployment of analytical technique in the earth sciences
- The analytical tools presented have wide application to other fields of knowledge

Using a series of case studies, the book demonstrates the power of dynamic analysis as applied to the fossil record. Written in an engaging and informative style, Dynamic Paleontology outlines the best application of quantitative and other tools to critical problems in the paleontological sciences including such topics as analysis of the Cambrian Explosion and the question regarding the presence of life on Mars. The book considers how we think about certain types questions and shows how we can refine our approach to analysis right from the beginning of any particular research effort. The analytical tools presented here will have wide application to other fields of knowledge; as such the book represents a major contribution to our deployment of modern scientific method.

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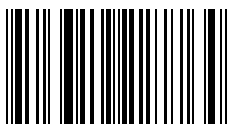
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