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The Tectonic Evolution Of Asia (World And Regional Geology)



Synopsis

The evolution of Asia has largely occurred over the last 400 million years, and continues today. Seeing a continent in the act of assembly provides a rare opportunity to study the processes by which continents are constructed and internally modified. This book is a collection of twenty-one contributions on the tectonic evolution of Asia. The book is divided into five parts: geodynamic models of the Cenozoic deformation in Asia, seismotectonics, geological evolution of the Himalaya-Karakoram Ranges, tectonics of the Cenozoic Indo-Asia collision, and Mesozoic-Paleozoic assembly of Asia. Several important problems are addressed in detail, including the origin of the Tibetan Plateau, the nature of ultra-high pressure metamorphism in east-central Asia, the accretion of microcontinents to Asia, and the accommodation mechanisms of the Indo-Asian collision. The Tectonic Evolution of Asia provides an authoritative description of our current understanding of Asian tectonics and continental growth for graduate students and researchers.

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Customer Reviews

'This well referenced and excellently illustrated tome is an academic interchange of important geological results deserving a shelf in all major university libraries with geophysics facilities.' Irish Astronomical Journal
'In summary, much excellent work has been brought together in this book, and tectonicians and others working on Asia will greatly benefit from it.' Mark Allen, Geoscientist

This collection by twenty-one contributors is divided into five parts: geodynamic models of the Cenozoic deformation in Asia, seismotectonics, geological evolution of the Himalaya-Karakoram Ranges, tectonics of the Cenozoic Indo-Asia collision, and Mesozoic-Paleozoic assembly of Asia. Several important problems are addressed in detail.

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