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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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