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Active Tectonics: Earthquakes, Uplift, And Landscape



Synopsis

Active Tectonics is a carefully organized, easily understandable book. Extremely current throughout, this book thoroughly explores the effects of earthquakes and active tectonic systems on humans, geomorphic systems, and Earth's topography. Complete with numerous case studies in a variety of regions, the very latest advances in the field, separate quantitative techniques boxed sections, and a host of pedagogical aids. This comprehensive book focuses on new advances in the technology and new applications to geology and tectonics. Increased material on Quaternary chronology, including lichen chronology and micro stratigraphy of desert varnish. New studies, including research in the Olympic Mountains, Nepal, Australia, Taiwan, the Himalaya, and the New Madrid seismic zone of the central United States. New techniques such as cosmogenic surface-exposure dating, argon and helium geobarometry and geothermometry, regional hyposometric analysis using digital elevation models, geodetic positioning, and coupled geodynamical computer simulations of topographic evolution are covered. Covers a number of regions with case studies including: Alaska; Pacific Northwest; California; The basin and range; Midwest; and East Coast. Ideal for beginning readers in active tectonics, geomorphology and natural hazards. This book may also be of interest to city planners, seismic engineers, and other non-geologists. --This text refers to an alternate Paperback edition.

Book Information

Paperback: 338 pages

Publisher: Prentice Hall College Div; 1 edition (August 22, 1995)

Language: English

ISBN-10: 0023632615

ISBN-13: 978-0023632617

Product Dimensions: 0.5 x 7.5 x 9.5 inches

Shipping Weight: 1.2 pounds

Average Customer Review: 4.0 out of 5 starsÂ Â See all reviewsÂ (2 customer reviews)

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Customer Reviews

The book is a usefull tool for active tectonic studies. It is as simple as it needs to be and very coherent. A must-to-have book for the tectonic geologists. The only thing that troubled me was the

pictures quality. They don't look well printed. Everything else is excellent.

The book is intelligent for students and academics

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