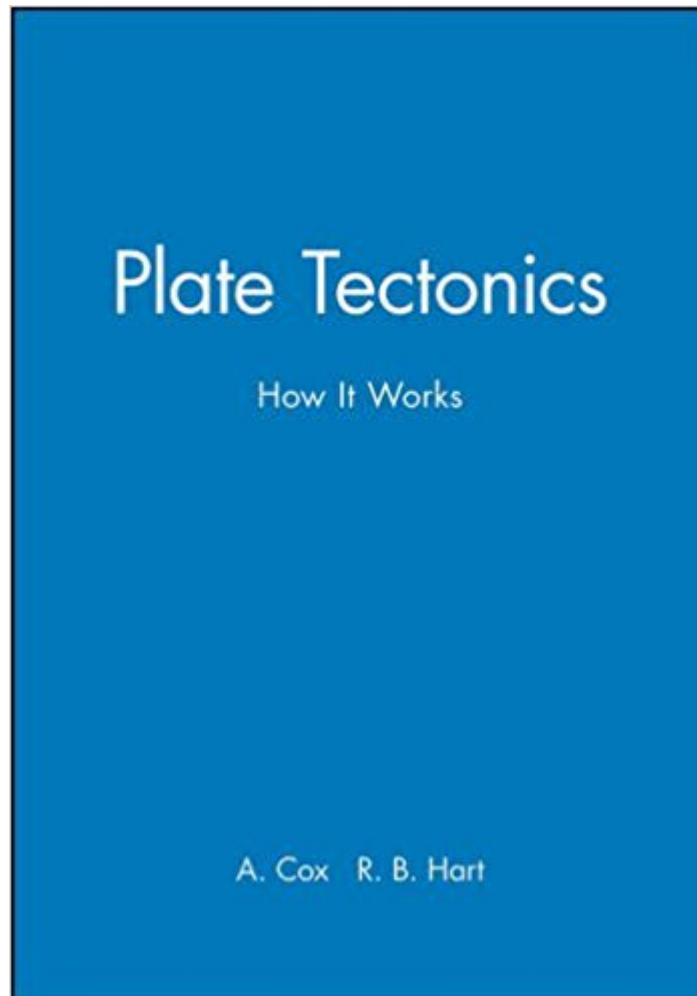




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Plate Tectonics: How It Works



Synopsis

Palaeomagnetism, plates, hot spots, trenches and ridges are the subject of this unusual book. Plate Tectonics is a book of exercises and background information that introduces and demonstrates the basics of the subject. In a lively and lucid manner, it brings together a great deal of material in spherical trigonometry that is necessary to understand plate tectonics and the research literature written about it. It is intended for use in first year graduate courses in geophysics and tectonics, and provides a guide to the quantitative understanding of plate tectonics.

Book Information

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Customer Reviews

This book is intended for the reader whose imagination has been captured by reading a popular account about the plate tectonics and would like to know more. It concentrates on the quantitative side of the plate tectonics because most scientifically literate people are already familiar with the quantitative side. The book will enable the reader to answer questions like the following: How fast is London moving away from New York? How fast was Los Angeles moving toward San Francisco 50 million years ago? How are the motions of the plates described in mathematical terms? What geophysical observations are used to determine plate motions? How are earthquakes related to plates motions? What drives the plates? The guiding philosophy of this book is that in plate tectonics, as in chess, more insight comes from playing the game than from talking or reading about it. This is a hands-on, how-to-do-it book. Most students find that through learning the nuts and bolts of plate tectonics, they gain new insight into its power and limitations.

This is a fantastic introduction to the physical workings of plate tectonics, which is an essential tool for tectonic reconstructions. The book arrived on time, in good condition. Thank you!

This book is very easy to understand and use to reference. I have been able to gain a lot of insight through its' usage.

This book provides an understanding of the foundations of plate tectonics. It breaks up the methods of plate tectonic studies into its basic components then slowly builds into the larger picture of global tectonics. The authors being key figures in the original idea of plate tectonics truly know the science behind this field of study.

It's in very good conditions, the cover has a little hole, but it's ok, because anyway it's very useful for me.

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