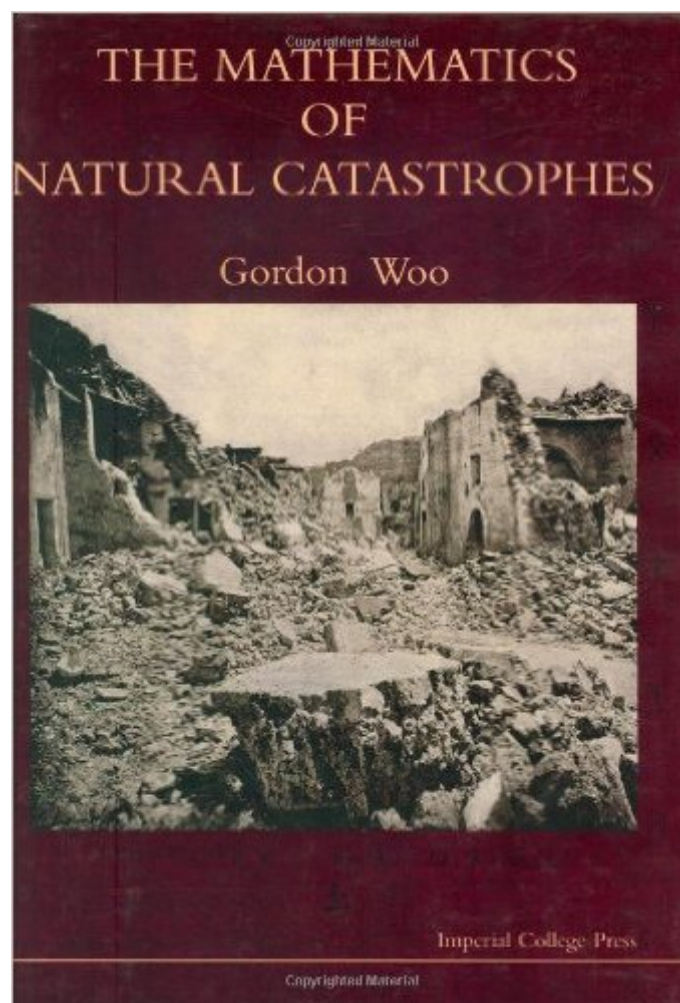


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The Mathematics Of Natural Catastrophes



Synopsis

This is a unique book about natural catastrophes, focusing on the mathematical aspects of these phenomena. Although academic in style and didactic in purpose, it is practical in the treatment of the diverse issues covered, which range from hazard warning and forecasting to engineering design criteria and insurance loss estimation. Addressing as it does many mathematical topics not found together in a single volume, the book should be of value to all those with a quantitative educational interest in or professional concern for natural catastrophes.

Book Information

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Customer Reviews

Gordon Woo has written an elegant account of the impact of natural disasters in today's world, and the mathematical tools we have available for their prediction, mitigation and avoidance. He has drawn upon his theoretical physics background to discuss all major factors that have to be considered when quantitatively evaluating the likelihood and consequences of natural disasters. It is obvious he has read extensively not only the various methods available to engineers, scientists and financiers to avoid natural risks, but also the plethora of philosophical literature contributing to this field of study. It is an excellent account and can be enjoyed by those without an implicit understanding of mathematics, although some understanding adds to the experience. I look forward to his next book.

For people who have some mathematical background and are interested in models of catastrophic events. I was a bit disappointed because the applications and examples of models are rather limited. But it's a good start.

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