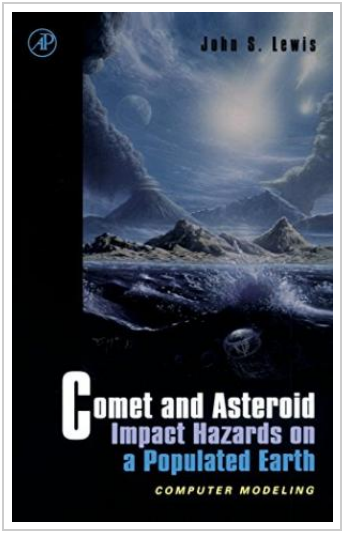

Comet and Asteroid Impact Hazards on a Populated Earth: Computer Modeling

By John S. Lewis

Academic Press. Paperback. Condition: New. 200 pages. Dimensions: 8.9in. x 6.0in. x 0.8in.Comet and Asteroid Impact Hazards explores the anticipated consequences of comet and asteroid impact. It presents the first computer simulations of the hazards of comet and asteroid bombardment of a populated Earth. Previous estimates of fatality and damage rates on the 100 to 10, 000 year time scale are shown to be too low because they neglect rare, highly lethal outriders of the populations of bombarding objects, those with exceptional strength, unusually low entry velocity, and near-horizontal entry angles. This is the first realistic assessment of both the mean casualty rate and the expected statistical fluctuations in that rate. A breakdown of fatality and damage rates by impactor energy and compositional class suggests lessons for both asteroid search strategies and interdiction techniques. This book is written so that anyone with college level experience in the physical sciences can understand it. It includes a disk that allows the reader to simulate impact catastrophes. It serves as a useful resource in various physical sciences courses such as astronomy, planetary science, and environmental science. Quantatively rigorous treatment of the state of impact hazard prediction, including stuctural blast damage, firestorm ignition, tsunami...

Reviews

This book may be really worth a read through, and far better than other. it was actually writtern extremely completely and valuable. I am just very easily will get a satisfaction of looking at a published ebook.

-- ***Lillie Toy***

It is easy in read through easier to fully grasp. it had been writtern very completely and useful. I am pleased to let you know that here is the greatest book we have read during my personal life and could be he very best book for possibly.

-- ***Miss Marge Jerde***