



Calculating Catastrophe

Gordon Woo

Download now

[Click here](#) if your download doesn't start automatically

Calculating Catastrophe

Gordon Woo

Calculating Catastrophe Gordon Woo



Watch a video interview with Gordon Woo



Book Launch of Calculating Catastrophe

Calculating Catastrophe has been written to explain, to a general readership, the underlying philosophical ideas and scientific principles that govern catastrophic events, both natural and man-made. Knowledge of the broad range of catastrophes deepens understanding of individual modes of disaster. This book will be of interest to anyone aspiring to understand catastrophes better, but will be of particular value to those engaged in public and corporate policy, and the financial markets.

The author, Dr. Gordon Woo, was trained in mathematical physics at Cambridge, MIT and Harvard, and has made his career as a calculator of catastrophes. His diverse experience includes consulting for IAEA on the seismic safety of nuclear plants and for BP on offshore oil well drilling. As a catastrophist at Risk Management Solutions, he has advanced the insurance modelling of catastrophes, including designing a model for terrorism risk.


Contents:

- ***Natural Hazards:***
 - Causation and Association
 - Extra-Terrestrial Hazards
 - Meteorological Hazards
 - Geological Hazards
 - Geomorphic Hazards
 - Hydrological Hazards
- ***Societal Hazards:***
 - Political Violence
 - Infectious Disease Pandemics
 - Industrial and Transportation Accidents
 - Fraud Catastrophe
- ***A Sense of Scale:***
 - Size Scales of Natural Hazards
 - Hazard Spatial Scales
 - The Human Disaster Toll
 - Models of a Fractal World
- ***A Measure of Uncertainty:***
 - The Concept of Probability
 - The Meaning of Uncertainty
 - Aleatory and Epistemic Uncertainty
 - Probability Ambiguity

- The Weighing of Evidence
- ***A Matter of Time:***
 - Temporal Models of Hazards
 - Long-Term Data Records
 - Statistics of Extremes
- ***Catastrophe Complexity:***
 - Emergent Catastrophes
 - Financial Crashes
 - Ancillary Hazards
- ***Terrorism:***
 - A Thinking Man's Game
 - Defeating Terrorist Networks
 - Counter-Radicalization
- ***Forecasting:***
 - Earthquake Forecasting
 - Verification
 - River Flows and Sea Waves
 - Accelerating Approach to Criticality
 - Evidence-Based Diagnosis
- ***Disaster Warning:***
 - Decision in the Balance
 - Evacuation
 - The Wisdom of Experts
- ***Disaster Scenarios:***
 - Scenario Simulation
 - Footprints and Vulnerability
 - Fermi Problems
- ***Catastrophe Cover:***
 - Probable Maximum Loss
 - Coherent Risk Measures
 - The Samaritan's Dilemma
- ***Catastrophe Risk Securitization:***
 - Catastrophe Bonds
 - The Price of Innovation
- ***Risk Horizons:***
 - Ecological Catastrophe
 - Climate Change
 - War and Conflict Resolution

Readership: Applied mathematicians, earth and atmospheric scientists, civil engineers, geographers, economists and general public.

 [Download Calculating Catastrophe ...pdf](#)

 [Read Online Calculating Catastrophe ...pdf](#)

Download and Read Free Online Calculating Catastrophe Gordon Woo

From reader reviews:

Roman Leonard:

This Calculating Catastrophe tend to be reliable for you who want to be considered a successful person, why. The reason of this Calculating Catastrophe can be one of many great books you must have is actually giving you more than just simple examining food but feed an individual with information that probably will shock your earlier knowledge. This book is definitely handy, you can bring it just about everywhere and whenever your conditions throughout the e-book and printed kinds. Beside that this Calculating Catastrophe forcing you to have an enormous of experience including rich vocabulary, giving you tryout of critical thinking that we all know it useful in your day task. So , let's have it appreciate reading.

Harold Riggs:

Hey guys, do you wants to finds a new book to study? May be the book with the concept Calculating Catastrophe suitable to you? Typically the book was written by popular writer in this era. The actual book untitled Calculating Catastrophe is the main one of several books that everyone read now. This kind of book was inspired lots of people in the world. When you read this book you will enter the new dimension that you ever know prior to. The author explained their concept in the simple way, and so all of people can easily to recognise the core of this book. This book will give you a lot of information about this world now. To help you see the represented of the world with this book.

Donna Young:

Spent a free the perfect time to be fun activity to try and do! A lot of people spent their spare time with their family, or their very own friends. Usually they doing activity like watching television, gonna beach, or picnic inside park. They actually doing ditto every week. Do you feel it? Would you like to something different to fill your own personal free time/ holiday? May be reading a book might be option to fill your free time/ holiday. The first thing that you ask may be what kinds of book that you should read. If you want to try look for book, may be the guide untitled Calculating Catastrophe can be fine book to read. May be it may be best activity to you.

Roderick Grubb:

Beside this specific Calculating Catastrophe in your phone, it could possibly give you a way to get nearer to the new knowledge or data. The information and the knowledge you are going to got here is fresh in the oven so don't end up being worry if you feel like an old people live in narrow community. It is good thing to have Calculating Catastrophe because this book offers to you readable information. Do you occasionally have book but you rarely get what it's interesting features of. Oh come on, that will not happen if you have this within your hand. The Enjoyable set up here cannot be questionable, including treasuring beautiful island. So do you still want to miss that? Find this book as well as read it from now!

**Download and Read Online Calculating Catastrophe Gordon Woo
#BZH8D5R0YC7**

Read Calculating Catastrophe by Gordon Woo for online ebook

Calculating Catastrophe by Gordon Woo Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Calculating Catastrophe by Gordon Woo books to read online.

Online Calculating Catastrophe by Gordon Woo ebook PDF download

Calculating Catastrophe by Gordon Woo Doc

Calculating Catastrophe by Gordon Woo Mobipocket

Calculating Catastrophe by Gordon Woo EPub