



A Climate Modelling Primer

Kendal McGuffie, Ann Henderson-Sellers

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As a consequence of recent increased awareness of the social and political dimensions of climate, many non-specialists discover a need for information about the variety of available climate models. *A Climate Modelling Primer, Third Edition* explains the basis and mechanisms of all types of current physically-based climate models.

A thoroughly revised and updated edition, this book assists the reader in understanding the complexities and applicabilities of today's wide range of climate models. Topics covered include the latest techniques for modelling the coupled biosphere-ocean-atmosphere system, information on current practical aspects of climate modelling and ways to evaluate and exploit the results, discussion of Earth System Models of Intermediate Complexity (EMICs), and interactive exercises based on Energy Balance Model (EBM) and the Daisyworld model. Source codes and results from a range of model types allows readers to make their own climate simulations and to view the results of the latest high resolution models.

The accompanying CD contains:

- A suite of resources for those wishing to learn more about climate modelling.
- A range of model visualisations.
- Data from climate models for use in the classroom.
- Windows and Macintosh programs for an Energy Balance Model.
- Selected figures from the book for inclusion in presentations and lectures.

Suitable for 3rd/4th year undergraduates taking courses in climate modelling, economic forecasting, computer science, environmental science, geography and oceanography. Also of relevance to researchers and professionals working in related disciplines with climate models or who need accessible technical background to climate modelling predictions.

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Cesar Smith:

Spent a free time for you to be fun activity to perform! A lot of people spent their down time with their family, or their particular friends. Usually they doing activity like watching television, about to beach, or picnic within the park. They actually doing same task every week. Do you feel it? Do you need to something different to fill your own personal free time/ holiday? May be reading a book could be option to fill your no cost time/ holiday. The first thing you will ask may be what kinds of book that you should read. If you want to attempt look for book, may be the book untitled A Climate Modelling Primer can be very good book to read. May be it is usually best activity to you.

Jose Rosales:

Playing with family in the park, coming to see the sea world or hanging out with pals is thing that usually you will have done when you have spare time, in that case why you don't try factor that really opposite from that. A single activity that make you not sensation tired but still relaxing, trilling like on roller coaster you already been ride on and with addition associated with. Even you love A Climate Modelling Primer, it is possible to enjoy both. It is excellent combination right, you still want to miss it? What kind of hang-out type is it? Oh can happen its mind hangout folks. What? Still don't have it, oh come on its known as reading friends.

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