

FOURTH EDITION

The **CLIMATE MODELLING PRIMER**



**Kendal McGuffie
Ann Henderson-Sellers**



WILEY Blackwell

Climate Modelling Primer

David H. Newman, Mary Ellen Aronow



Climate Modelling Primer:

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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 Fourth Edition is designed to explain the basis and mechanisms of all types of current physically based climate models A thoroughly revised and updated edition this book will assist 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 Now in full colour throughout and with the addition of cartoons to enhance student understanding the new edition of this successful textbook enables the student to tackle the difficult subject of climate modeling

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 McGuffie,2005 *A Climate Modelling Primer* Ann Henderson-Sellers,Kendal McGuffie,1987 This is the first self contained introduction to climate modelling Assuming only a basic algebra background this text provides a history and introduction to climate models and describes such model types as energy balance radiative convective two dimensional and general circulation Stresses the importance of simple models of the climate and their value in testing and extending the concepts upon which much more complex models are founded Written for an interdisciplinary audience rather than for specialists in atmosphere science this treatment shows how to judge the credibility of different model types and when and how to apply the results of modelling exercises

Ecology ,1989 **Modelling the Human Impact on Nature** Richard J. Huggett,1993
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Cumulative Book Index ,1925 A world list of books in the English language Russian
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