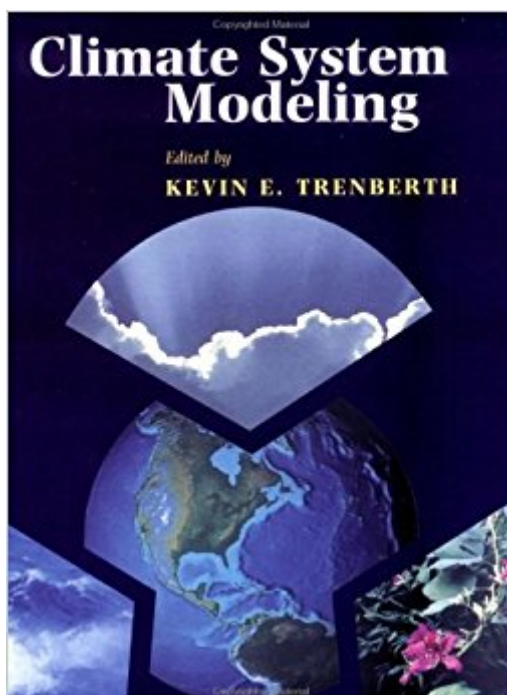


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# Climate System Modeling



## Synopsis

This interdisciplinary volume aimed at graduate students and researchers provides a thorough grounding in the tools necessary for an appreciation of climate change and its implications. It discusses not only the primary concepts involved but also the mathematical, physical, chemical and biological basis for the component models and the sources of uncertainty, the assumptions made and the approximations introduced. *Climate System Modeling* addresses all aspects of the climate system: the atmosphere and the oceans, the cryosphere, terrestrial ecosystems and the biosphere, land surface processes and global biogeochemical cycles. As a comprehensive text it will appeal to students and researchers concerned with any aspect of climatology and the study of related topics in the broad earth and environmental sciences.

## Book Information

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*Atmospheric Research* Review of the hardback: 'This is one of the most significant texts on climate modelling ... every research student with an interest in climate should have a copy of this book.'

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*Climate Systems Modeling* presents an interdisciplinary and comprehensive study of the dynamics

of the whole global system. As a comprehensive text it will appeal to students and researchers concerned with any aspect of climatology and the study of related topics in the broad earth and environmental sciences.

This book has a complete "state of art" related to climate processes theory and general climatic models. It's a good reference for who is immersed into Climate Change understanding.

Book is from 2003. But this does not matter. It's a source of wealthy and rich information about climate physics and the processes of thinking behind all these utterly important issues.

This book you can use to get a really good picture of what climate modelling really is. You should be somewhat into your studies and not a first year student. The book covers virtually every topic that is important if you want to build your own climate model. Do not try this, though; your PC cannot work with all the subsystems that are described in the volume. Following Schneiders 1982 book this is really guff!

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