

Frontiers of Climate Modeling



The physics and dynamics of the atmosphere and atmosphere-ocean interactions provide the foundation of modern climate models, upon which our understanding of the chemistry and biology of ocean and land surface processes are built. This volume captures modern developments in modeling the atmosphere, and their implications for our understanding of climate change, whether due to natural or anthropogenic causes. Emphasis is on elucidating how greenhouse gases and aerosols are altering the radiative forcing of the climate system and the sensitivity of the system to such perturbations.

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