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## Geophysical Convection Dynamics

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Geophysical Convection Dynamics, Volume Five provides a single source reference that enables researchers to go through the basics of geophysical convection. The book includes basics on the dynamics of convection, including linear stability analysis, weakly nonlinear theory, effect of rotation, and double diffusion. In addition, it includes detailed descriptions of fully developed turbulence in well-mixed boundary layers, a hypothesis of vertical homogeneity, effects of moisture, and the formation of clouds. The book focuses on the presentation of the theoretical methodologies for studying convection dynamics with an emphasis on geophysical application that is relevant to fields across the earth and environmental sciences, chemistry and engineering. Members of the Royal Meteorological Society are eligible for a 35% discount on all Developments in Weather and Climate Science series titles. See the RMetS member dashboard for the discount code.



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