



Atmospheric Radiation: Theoretical Basis

By R. M. Goody, Y. L. Yung

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A complete revision of Goody's classic 1964 work, this volume offers a systematic discussion of atmospheric radiation processes that today are at the center of worldwide study and concern. It deals with the ways in which incident solar radiation is transformed into scattered and thermal radiation, and the thermodynamic consequences for the Earth's gaseous envelope, identifying aspects of the interaction between radiation and atmospheric motions as the central theme for atmospheric radiation studies. As a complete treatment of physical and mathematical foundations, the text assumes no prior knowledge of atmospheric physics. The theoretical discussion is systematic, and can therefore be applied with minor extension to any planetary atmosphere.

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About the Author

R. M. Goody is at Harvard University (Emeritus). Y. L. Yung is at California Institute of Technology.

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