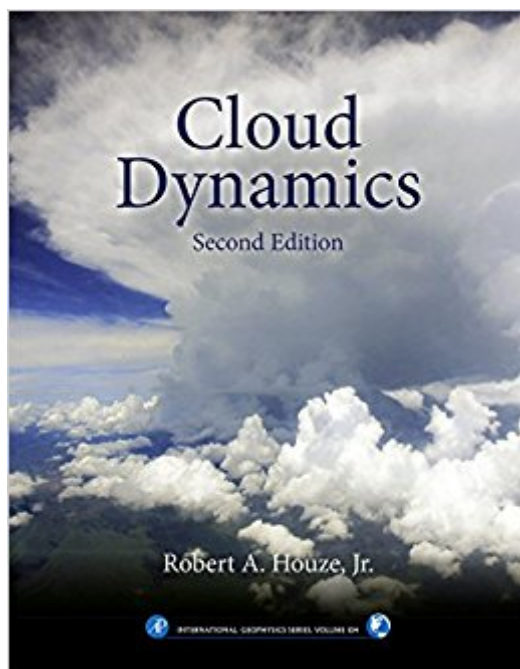


The book was found

Cloud Dynamics (International Geophysics)



Synopsis

As models of the Earth/atmosphere system and observations become ever more sophisticated, and concerns about climate change and societal impacts of extreme weather and its forecasting grow, understanding the role of clouds in the atmosphere is increasingly vital. *Cloud Dynamics, Second Edition* provides the essential information needed to understand how clouds affect climate and weather. This comprehensive book examines the underlying physics and dynamics of every specific type of cloud that occurs in the Earth's atmosphere, showing how clouds differ dynamically depending on whether they occur over oceans or mountains, or as parts of atmospheric storms, such as thunderstorms, tropical cyclones, or warm and cold fronts. Covering both the microphysical and macrophysical aspects of clouds, the book treats all of the physical scales involved in cloud processes, from the microscale of the individual drops and ice particles up to scales of storms in which the clouds occur. As observational technology advances with increasingly sophisticated remote sensing capabilities, detailed understanding of how the dynamics and physics of clouds affect the quantities being measured is of paramount importance. This book underpins the work necessary for proper interpretation of these observations, now and in the future. Provides the holistic understanding of clouds needed to pursue research on topics vital to life on Earth Provides in-depth understanding of all types of clouds over all regions of Earth, from the poles to the equator Includes detailed physical and dynamical insight into the entire spectrum of clouds populating Earth's atmosphere

Book Information

File Size: 85072 KB

Print Length: 496 pages

Publisher: Academic Press; 2 edition (July 8, 2014)

Publication Date: July 8, 2014

Sold by: Digital Services LLC

Language: English

ASIN: B00LX0LIX4

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #407,882 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #41 in Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Computer Technology > Remote Sensing #125 in Kindle Store > Kindle eBooks > Nonfiction > Science > Environment > Weather #172 in Books > Computers & Technology > Graphics & Design > Computer Modelling > Remote Sensing & GIS

Customer Reviews

The second edition is heavily revised and adds more contents from modeling results and satellite analyses as compared to the first edition. This book can be used as a textbook for graduate students and professors with research topics on severe weather and clouds, and a reference book for people who are generally interested in clouds and the roles of clouds in Earth's climate system.

Awesome! Perfect for curious people, weather geeks, and science/engineering denizens!

A clear exposition of the dynamics of clouds by the foremost cloud physicist in the field. A marvelous combination of observation, modeling and theory. Great teaching tool!

The book is detailed and thoroughness textbook. The assumed some previous knowledge of mathematics and physics. The book is a good textbook, but will probably be too advanced for those who just want a book for sky observations from ground level.

[Download to continue reading...](#)

The Graphic Designer's Digital Toolkit: A Project-Based Introduction to Adobe Photoshop Creative Cloud, Illustrator Creative Cloud & InDesign Creative Cloud (Stay Current with Adobe Creative Cloud) Cloud Dynamics (International Geophysics) Spectral Analysis in Geophysics (Development in Solid Earth Geophysics) Near-Surface Geophysics (Investigations in Geophysics No. 13) Atmosphere, Ocean and Climate Dynamics: An Introductory Text (International Geophysics) Introduction to Geophysical Fluid Dynamics, Volume 101, Second Edition: Physical and Numerical Aspects (International Geophysics) Adobe Photoshop Creative Cloud Revealed (Stay Current with Adobe Creative Cloud) Adobe Photoshop Creative Cloud: Comprehensive (Stay Current with Adobe Creative Cloud) Adobe Illustrator Creative Cloud Revealed (Stay Current with Adobe Creative Cloud) Adobe InDesign Creative Cloud Revealed (Stay Current with Adobe Creative Cloud) International Taxation in America for the Entrepreneur: International Tax Law for E-commerce, Importing and the Cloud Computer Atmospheric Science, Second Edition: An Introductory Survey

(International Geophysics) Environmental Magnetism, Volume 86: Principles and Applications of Enviromagnetics (International Geophysics) Paleomagnetism, Volume 73, Second Edition: Continents and Oceans (International Geophysics) An Introduction to Dynamic Meteorology, Volume 88, Fourth Edition (International Geophysics) Spectral Imaging of the Atmosphere, Volume 82 (International Geophysics) Tunneling Dynamics in Open Ultracold Bosonic Systems: Numerically Exact Dynamics â “ Analytical Models â “ Control Schemes (Springer Theses) Glencoe Biology: The Dynamics of Life, Reinforcement and Study Guide, Student Edition (BIOLOGY DYNAMICS OF LIFE) Environmental and Engineering Geophysics Applied Geophysics

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)