PRACTICAL METEOROLOGY: AN ALGEBRA BASED SURVEY OF ATMOSPHERIC SCIENCE

By
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BOOK

The author designed this book for students and professionals who want to understand and apply basic meteorological concepts, but who don't need to derive equations. To make this book accessible to more people, the author converted the equations into algebra. With algebraic approximations to the atmosphere, you can see the physical meaning of each term and you can plug in numbers to get usable answers. No previous knowledge of meteorology is needed — the book starts from the basics. Your background should include algebra, trig, and classical physics. This book could serve the fields of Atmospheric Science, Meteorology, Environmental Science, Engineering, Air Quality, Climatology, and Geography. Readers like you asked to see solved examples, to enhance your understanding and speed your ability to apply the concepts to your own situations. To fill this need, the author added “Sample Application” boxes for almost every equation in the book. This book is designed to be both a textbook and a reference. As a textbook, the end of each chapter includes extensive homework exercises in categories inspired by Bloom’s taxonomy of learning actions: “Broaden Knowledge & Comprehension”; “Apply”; “Evaluate & Analyze”; and “Synthesize”.

Published by:
BC CAMPUS

Publisher's link: https://www.eoas.ubc.ca/books/Practical_Meteorology/

DOER Persistent Identifier: http://doer.col.org/handle/123456789/5710

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Natural & Life Sciences 706

Book Announcement: Practical Meteorology: An Algebra-Based Survey of Atmospheric Science. 3. Volume 7, Issue 2. The book is quantitative and comprehensive, with algebraic versions of the equations describing atmospheric dynamics, physics, and thermodynamics. It is useful for scientists and engineers who want to understand and use the concepts, but who do not need the derivations. Useful as a Textbook and Reference for: • Meteorology • Atmospheric Science • Environmental Science and Engineering • Physical Geography and Climatology • Air Quality Meteorology • Anyone interested in the weather. About the Author: Roland Stull holds a Bachelor’s degree in Chemical Engineering and a Ph.D. in Atmospheric Science. Practical Meteorology: An Algebra-based Survey of Atmospheric Science.pdf. Wrong Request. Search string must contain more than 4 characters. Please, type in a longer request and try again. The basic meteorology book from my bookshelf would be "Meteorology for Scientists and Engineers" from Roland B. Stull, or his more recent but not completely finished work Practical Meteorology: An Algebra-based Survey of Atmospheric Science. But this is of course subjective and there will be plenty alternatives.