



Synoptic-dynamic Meteorology in Midlatitudes: Principles of kinematics and dynamics, , Howard B. Bluestein, Oxford University Press, 1992, 0195062671, 9780195062670, 431 pages. This new, comprehensive textbook for upper-division undergraduate and graduate students of meteorology presents for the first time information that is now considered essential in modern weather forecasting. Based on a successful series of courses taught by the author at the University of Oklahoma, the text carefully examines the foundations of synoptic meteorology, from the analysis of scalar fields to atmospheric kinematics, dynamics, and thermodynamics. Newer topics such as Q-vectors, and modern observing systems such as Doppler radar are discussed, and several detailed figures and many helpful problems are included. This timely work emphasizes both physical understanding and mathematical analysis, and clearly explains observations in light of current theory. It will be a valuable reference for weather forecasters and researchers as well as students..

Some statistical and mathematical approaches to meteorology Final report on Contract No. AF19(122)-446, Massachusetts Institute of Technology. Division of Industrial Cooperation, , Science, . .

Mesoscale-Convective Processes in the Atmosphere , Robert J. Trapp, Mar 25, 2013, Science, 346 pages. "This is the first modern textbook devoted solely to mesoscale-convective processes in the atmosphere. Such processes are realized in the form of thunderstorms and associated ....

Weather Forecasting Handbook , Tim Vasquez, Dec 1, 2002, , 198 pages. A guide to weather forecasting covers forecasting principles, techniques, and tools..

Satellite and computer applications to synoptic meteorology Lectures presented during the scientific discussions at the fifth session of the Commission for Synoptic Meteorology (Geneva, 15 June - 3 July 1970)., World Meteorological Organization. Commission for Synoptic Meteorology, 1971, Science, 88 pages. .

Some applications of statistics to meteorology , Hans A. Panofsky, Glenn Wilson Brier, 1968, Mathematics, 224 pages. .

Meteorological Monographs, Volume 17 , , 1947, Juvenile Nonfiction, . .

Weather satellites systems, data, and environmental applications, Peter S. Ray, Jan 1, 1986, Nature, 793 pages. Very Good,No Highlights or Markup,all pages are intact..

Synoptic meteorology as practiced by the National Meteorological ..., Parts 1-2 the NAWAC manual, National Weather Analysis Center (U.S.), 1963, , . .

Atmospheric convection research and operational forecasting aspects, Dario B. Gaiotti, Reinhold Steinacker, Fulvio Stel, Apr 30, 2007, Science, 222 pages. A book on atmospheric convection treated in detail from different angles including the theoretical aspects of atmospheric deep convection and the weather phenomena related to ....

Dynamics of mesoscale weather systems NCAR summer colloquium lecture notes : 11 June-6 July 1984, Boulder, Colo, Joseph B. Klemp, Kerry Andrew Emanuel, David J. Raymond, National Center for Atmospheric Research (U.S.), , Science, 591 pages. .

Meteorology for scientists and engineers , Roland B. Stull, C. Donald Ahrens, 2000, Nature, 502 pages. The Second Edition of Roland Stull's METEOROLOGY FOR SCIENTISTS AND ENGINEERS lets professors quantify the concepts in Ahren's METEOROLOGY TODAY, SEVENTH EDITION like never ....

The Computational Stability of Meteorological Prediction Equations , George W. Platzman, 1958, Science, 54 pages. .

This new, comprehensive textbook for upper-division undergraduate and graduate students of meteorology presents for the first time information that is now considered essential in modern weather forecasting. Based on a successful series of courses taught by the author at the University of Oklahoma, the text carefully examines the foundations of synoptic meteorology, from the analysis of scalar fields to atmospheric kinematics, dynamics, and thermodynamics. Newer topics such as Q-vectors, and modern observing systems such as Doppler radar are discussed, and several detailed figures and many helpful problems are included. This timely work emphasizes both physical understanding and mathematical analysis, and clearly explains observations in light of current theory. It will be a valuable reference for weather forecasters and researchers as well as students.

"The book seems to contain everything. . . . highly detailed, rich in examples, and careful to provide values and units for even the most mundane physical constant. The figures are of excellent quality. I recommend this book for everyone's library and for use in routine synoptic and dynamic meteorology courses." --Bulletin of the American Meteorological Society

"Contains theory now considered essential in weather forecasting. The text is accompanied by many, clearly drawn figures which are often used to link together theory and observation. Each chapter contains an extensive list of references. . . . those involved in forecasting and those new to dynamical meteorology will find it a very useful reference text." --Weather

This is the 1st of 2 books written by Dr. Bluestein to teach synoptic and dynamic meteorology to undergraduate college students. Unlike other textbooks, this textbook takes the time to show a lot more of the steps in the derivation of equations used in meteorology. Of course this has added to the size of the book but the fact that the author has taken the care to include this in his book is quite helpful for those learning meteorology. It is a useful reference book.

This book (and the Vol. II) is a good reference for meteorological basis on physics and atmospheric sciences itself, I already had thought about buying it here in Brasil (country that I live) but they would cost me about 120 bucks each volume, since on amazon it ended up for about 60 each delivered in my house (ok, it took 4 weeks, but it's a long way for a legless book!!) and, like all my products so far, they arrived in perfect shape.

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"A new, comprehensive textbook for meteorology students. . . . contains nearly all essential knowledge on basic kinematics and dynamics of the atmosphere. The mathematics employed is given in a compact and clear way. The transformations are carefully explained and many approximations are discussed. . . . [the numerous figures] remarkably facilitate an understanding of the problems described. . . . agreeable to read. . . . nicely illustrated by literature." --Pure and Applied Geophysics

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