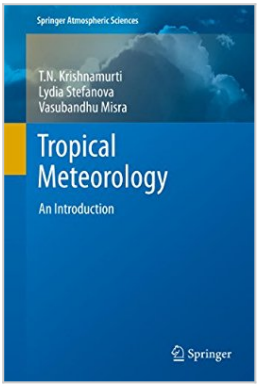

Tropical Meteorology: An Introduction (Springer Atmospheric Sciences)

By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra

Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra

This book is designed as an introductory course in Tropical Meteorology for the graduate or advanced level undergraduate student. The material within can be covered in a one-semester course program. The text starts from the global scale-view of the Tropics, addressing the zonally symmetric and asymmetric features of the tropical circulation. It then goes on to progressively smaller spatial and time scales – from the El Niño Southern Oscillation and the Asian Monsoon, down to tropical waves, hurricanes, sea breezes, and tropical squall lines. The emphasis in most chapters is on the observational aspects of the phenomenon in question, the theories regarding its nature and maintenance, and the approaches to its numerical modeling. The concept of scale interactions is also presented as a way of gaining insight into the generation and redistribution of energy for the maintenance of oscillations of a variety of spatial and temporal scales.

Tropical Meteorology: An Introduction (Springer Atmospheric Sciences)

By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra

Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra

This book is designed as an introductory course in Tropical Meteorology for the graduate or advanced level undergraduate student. The material within can be covered in a one-semester course program. The text starts from the global scale-view of the Tropics, addressing the zonally symmetric and asymmetric features of the tropical circulation. It then goes on to progressively smaller spatial and time scales – from the El Niño Southern Oscillation and the Asian Monsoon, down to tropical waves, hurricanes, sea breezes, and tropical squall lines. The emphasis in most chapters is on the observational aspects of the phenomenon in question, the theories regarding its nature and maintenance, and the approaches to its numerical modeling. The concept of scale interactions is also presented as a way of gaining insight into the generation and redistribution of energy for the maintenance of oscillations of a variety of spatial and temporal scales.

Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra Bibliography

- Sales Rank: #2752988 in eBooks
- Published on: 2013-07-14
- Released on: 2013-07-14
- Format: Kindle eBook

Editorial Review

Review

From the reviews:

"The book may prove valuable to researchers, given the lack of other books on the subject. Summing Up: Recommended. … Graduate students and researchers/faculty." (S. G. Decker, Choice, Vol. 51 (6), February, 2014)

From the Back Cover
This book is designed as an introductory course in Tropical Meteorology targeting graduate or advanced undergraduate students. The material within can be covered in a one-semester course program. The text starts from the global scale-view of the Tropics, addressing the zonally symmetric and asymmetric features of the tropical circulation. It then goes on to progressively smaller spatial and time scales – from the El Niño Southern Oscillation and the Asian Monsoon, down to tropical waves, hurricanes, sea breezes, and tropical squall lines. The emphasis in most chapters is on the observational aspects of the phenomenon in question, the theories regarding its nature and maintenance, and the approaches to its numerical modeling. The concept of scale interactions is also presented as a way of gaining insight into the generation and redistribution of energy for the maintenance of oscillations of a variety of spatial and temporal scales.

About the Author

T.N. Krishnamurti is Professor of Meteorology at Florida State University. He obtained his PhD in 1959 at the University of Chicago. His research interests are in the following areas: high resolution hurricane forecast (tracks, landfall, and intensity), monsoon forecasts on short, medium range, and monthly time scale and studies of interseasonal and interannual variability of the tropical atmosphere. As a participant in the meteorology team in tropical field projects, he has been responsible for the acquisition and analysis of meteorological data, which extends over most of the tropical atmosphere over several years and is now being assembled and analyzed. Phenomenological interests include hurricanes, monsoons, jet streams, and the meteorology of arid zones.

Dr. Lydia Stefanova is an assistant research scientist at the Center for Ocean-Atmospheric Prediction Studies (COAPS). Her current research interests are in the area of understanding the nature and manifestations of climate variability and long term climate change, and understanding, quantifying, and improving the quality and usefulness of climate prediction and projection products. Her research includes the analysis of large scale and regional climate variability, dynamical climate forecasting with a focus on near-surface processes at various scales and the applications of climate forecasts to hydrological, ecological and agricultural modeling. She has worked on ENSO, Pacific Decadal Oscillation, Atlantic Multidecadal Oscillation and Arctic Oscillation as modulators of US climate.

Dr. Vasu Misra is an associate Professor at COAPS whose research interests are in climate variability and

predictability. He works with a variety of numerical models to understand climate variations and climate change. These numerical tools include regional atmospheric models, atmospheric general circulation models and coupled ocean-atmosphere models. He is keen on understanding the predictability of a model, and the challenges of real-time climate prediction. Phenomenologically he has worked on ENSO, the South American and the South Asian Monsoons, Tropical Atlantic and Intra-American seas climate variability, and US hydroclimate.

Users Review

From reader reviews:

Annie Boyd:

This Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) usually are reliable for you who want to become a successful person, why. The key reason why of this Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) can be one of many great books you must have is actually giving you more than just simple reading through food but feed you with information that might be will shock your prior knowledge. This book is usually handy, you can bring it all over the place and whenever your conditions both in e-book and printed ones. Beside that this Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) forcing you to have an enormous of experience for instance rich vocabulary, giving you test of critical thinking that we know it useful in your day action. So , let's have it and luxuriate in reading.

Carolyn Charles:

The reserve untitled Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) is the e-book that recommended to you to read. You can see the quality of the publication content that will be shown to you. The language that writer use to explained their way of doing something is easily to understand. The writer was did a lot of exploration when write the book, and so the information that they share to you is absolutely accurate. You also can get the e-book of Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) from the publisher to make you considerably more enjoy free time.

Manda Perez:

Do you have something that you like such as book? The guide lovers usually prefer to decide on book like comic, quick story and the biggest the first is novel. Now, why not seeking Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) that give your entertainment preference will be satisfied simply by reading this book. Reading addiction all over the world can be said as the means for people to know world a great deal better then how they react towards the world. It can't be said constantly that reading practice only for the geeky particular person but for all of you who wants to be success person. So , for every you who want to start studying as your good habit, you could pick Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) become your own personal starter.

Ella Carlson:

That e-book can make you to feel relax. This book Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) was colourful and of course has pictures on the website. As we know that book Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) has many kinds or type. Start from kids until adolescents. For example Naruto or Investigation company Conan you can read and believe that you are the character on there. So , not at all of book are usually make you bored, any it makes you feel happy, fun and relax. Try to choose the best book for you personally and try to like reading in which.

Read Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra for online ebook

Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra books to read online.

Online Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra ebook PDF download

Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra Doc

Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra Mobipocket

Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra EPub

VGU52NT4071: Tropical Meteorology: An Introduction (Springer Atmospheric Sciences) By T.N. Krishnamurti, Lydia Stefanova, Vasubandhu Misra