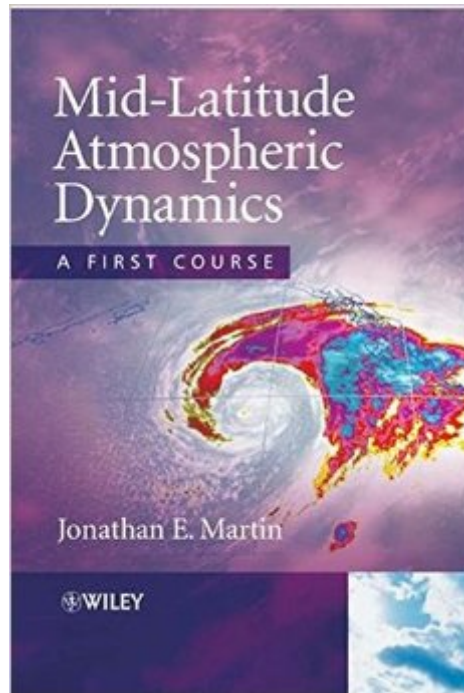




Ebook Directory
the best source of ebook

The book was found

Mid-Latitude Atmospheric Dynamics: A First Course



Synopsis

This exciting text provides a mathematically rigorous yet accessible textbook that is primarily aimed at atmospheric science majors. Its accessibility is due to the text's emphasis on conceptual understanding. The first five chapters constitute a companion text to introductory courses covering the dynamics of the mid-latitude atmosphere. The final four chapters constitute a more advanced course, and provide insights into the diagnostic power of the quasi-geostrophic approximation of the equations outlined in the previous chapters, the meso-scale dynamics of the frontal zone, the alternative PV perspective for cyclone interpretation, and the dynamics of the life-cycle of mid-latitude cyclones. Written in a clear and accessible style. Features real weather examples and global case studies. Each chapter sets out clear learning objectives and tests students' knowledge with concluding questions and answers. A Solutions Manual is also available for this textbook on the Instructor Companion Site www.wiley-europe.com/college/martin. A student-friendly yet rigorous textbook that accomplishes what no other textbook has done before. I highly recommend this textbook. For instructors, this is a great book if they don't have their own class notes – one can teach straight from the book. And for students, this is a great book if they don't take good class notes – one can learn straight from the book. This is a rare attribute of advanced textbooks. • Bulletin of the American Meteorological Society (BAMS), 2008

Book Information

Paperback: 336 pages

Publisher: Wiley; 1 edition (June 16, 2006)

Language: English

ISBN-10: 0470864656

ISBN-13: 978-0470864654

Product Dimensions: 6.7 x 0.8 x 9.6 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 3.5 out of 5 stars 9 customer reviews

Best Sellers Rank: #210,039 in Books (See Top 100 in Books) #185 in Books > Science & Math > Earth Sciences > Rivers #252 in Books > Science & Math > Earth Sciences > Weather #273 in Books > Science & Math > Earth Sciences > Climatology

Customer Reviews

"A student-friendly yet rigorous textbook that accomplishes what no other textbook has done before. I highly recommend this textbook." (Bulletin of the American Meteorological Society) "... I have

personally used Mid-Latitude Atmospheric Dynamics and found it to be a welcome addition to my reading lists." (Area, 2007)

Mid-Latitude Atmospheric Dynamics: A First Course provides an introduction to the physical and mathematical description of mid-latitude atmospheric dynamics and its application to the diagnosis of extratropical cyclones. Requiring a background in physics and calculus but no prior knowledge of meteorology, this student-friendly text places the emphasis on conceptual understanding. Written in a conversation tone, this text is an ideal companion for a first course on the subject, delving into greater depth as the book, and the student, progresses. Real weather examples are woven through the more mathematically focused early chapters, while later chapters introduce a range of case-studies from the around the globe to illustrate theoretical and phenomenological aspects of the mid-latitude cyclone life cycle. features end of chapter bibliography and problems takes a conceptual building block approach includes numerous real weather examples from around the globe

nice

This book is a great resource for understanding meteorological dynamics, but it sometimes skips steps while giving mathematical proofs, which can make it much more difficult for the reader to understand why it's true.

I'm an applied mathematics undergraduate with a strong interest in atmosphere-ocean dynamics, and out of all of the books on this topic that I've been through, this is by far the best in terms of clarity and exposition. Dr. Martin provides great physical explanations/interpretations of the mathematics and his discussions are very insightful. I HIGHLY recommend this book. It is great for self-teaching, as I have done, or perhaps for a one or two-semester class.

Graphics are blurry. Kindle version is useless!

OK

I purchased this book to supplement my required Holton book. This book does a much better job of explaining what dynamics are happening rather than throwing endless formulae at you and not

explaining them well.

This is the best synoptic textbook I have found. It has excellent schematics of atmospheric dynamic that are clearly and concisely. It also doesn't cheat on the math--it gives clear derivations with explanations. It also avoid unnecessary details. Great!

I highly recommend the book but do not waste your money on the Kindle (Mac) version. I have the hardcopy (and Holton's more complicated version) but got tired of carrying it around. I thought I would try Kindle for the first time and download to my new Ipad. The cost is about the same as the paperback but the quality is not even close, and the graphics are key to understanding the material. , what happened?? You probably lost a Kindle textbook customer here as that was a fair chunk of change for a majorly disappointing product.

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

Mid-Latitude Atmospheric Dynamics: A First Course A First Course in Atmospheric Thermodynamics Dynamics of Atmospheric Flight (Dover Books on Aeronautical Engineering) Atmospheric and Space Flight Dynamics: Modeling and Simulation with MATLAB® and Simulink® (Modeling and Simulation in Science, Engineering and Technology) Bernice Chesler's Bed & Breakfast in the Mid-Atlantic States: Fifth Edition--Delaware, Maryland, New Jersey, New York, North Carolina, Pennsylvania, ... and Breakfast in the Mid-Atlantic States) A History of Tahiti; A History of Fiji; Papua, Where the Stone-Age Lingers; The Men of the Mid-Pacific; The Islands of the Mid-Pacific; Java, the Exploited Island (Classic Reprint) Karen Brown's Mid-Atlantic 2010: Exceptional Places to Stay & Itineraries (Karen Brown's Mid-Atlantic: Exceptional Places to Stay & Itineraries) All Stings Considered: First Aid and Medical Treatment of Hawaii's Marine Injuries (Latitude 20 Books) Holt Literature & Language Arts Warriner's Handbook California: Student Edition Grade 7 First Course CA First Course 2010 Holt Traditions Warriner's Handbook: Language and Sentence Skills Practice First Course Grade 7 First Course A First Course in Engineering Dynamics: (B&W) 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) Trevor Waugh's Winning with Watercolour: Tips and Techniques for Atmospheric Paintings Jean Haines' Atmospheric Watercolours: Painting with Freedom, Expression and Style Gaskinetic Theory (Cambridge Atmospheric and Space Science Series) Handbook of Optics, Third Edition Volume V: Atmospheric Optics, Modulators, Fiber Optics, X-Ray and Neutron Optics Atmospheric

Monitoring with Arduino: Building Simple Devices to Collect Data About the Environment Handbook
of Weather, Climate and Water: Atmospheric Chemistry, Hydrology and Societal Impacts
Atmospheric Science, Second Edition: An Introductory Survey (International Geophysics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)