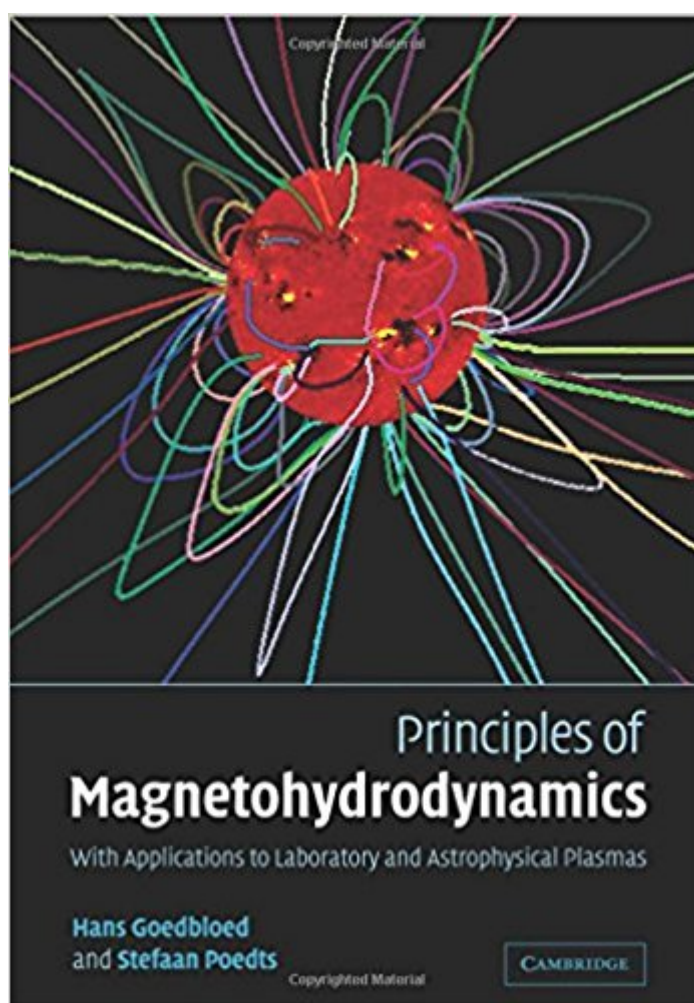


The book was found

Principles Of Magnetohydrodynamics: With Applications To Laboratory And Astrophysical Plasmas



Synopsis

This volume describes the two main applications of plasma physics--laboratory research on thermo-nuclear fusion energy and plasma astrophysics of the solar system and stars and accretion disks--from the single viewpoint of magnetohydrodynamics (Mhd). This approach provides effective methods and insights for the interpretation of plasma phenomena on virtually all scales, ranging from the laboratory to the universe. The text will be of value to senior-level undergraduates and graduate students in physics, astrophysics and magnetohydrodynamics.

Book Information

Paperback: 632 pages

Publisher: Cambridge University Press; 1 edition (August 23, 2004)

Language: English

ISBN-10: 0521626072

ISBN-13: 978-0521626071

Product Dimensions: 6.8 x 1.3 x 9.7 inches

Shipping Weight: 2.7 pounds (View shipping rates and policies)

Average Customer Review: 4.4 out of 5 stars 2 customer reviews

Best Sellers Rank: #438,401 in Books (See Top 100 in Books) #55 in [Books > Science & Math > Physics > Electromagnetism > Magnetism](#) #243 in [Books > Science & Math > Physics > Nuclear Physics](#) #1428 in [Books > Textbooks > Science & Mathematics > Physics](#)

Customer Reviews

"This volume is a superb and comprehensive...book discussing methods and insights about plasmas at all scales, from lab to cosmos. This promises to be a classic MHD text..." T. Eastman, formerly, University of Maryland, CHOICE "An outstanding contribution to the subject of MHD theory and its applications." Journal of Fluid Mechanics "Principles of MHD illustrates key concepts in plasma physics with applications from both the laboratory and astrophysics, wherever possible. These complement each other, and are structured coherently. The text strikes a nice balance between rigorous development of important mathematical methods, clear explanation of technical concepts, and connections to familiar examples." - American Journal of Physics, Daniel V. Schroeder, Weber State University

This book describes the two main applications of plasma physics, laboratory research on thermo-nuclear fusion energy and plasma astrophysics of the solar system, stars and accretion

disks, from the single viewpoint of magnetohydrodynamics (MHD). This approach provides effective methods and insights for the interpretation of plasma phenomena on virtually all scales, ranging from the laboratory to the universe. This text will be of value to senior-level undergraduates and graduate students in departments of physics and astrophysics taking courses on magnetohydrodynamics.

If you need a primer on magnetohydrodynamics (MHD) that is still in print, this is probably the best book you can get.

I am having this book as a textbook in a Space Plasma Physics Course. It is outstanding, and very helpful. I highly recommend it.

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

Principles of Magnetohydrodynamics: With Applications to Laboratory and Astrophysical Plasmas
Introduction to Plasma Physics: With Space, Laboratory and Astrophysical Applications
Laboratory Applications in Microbiology: A Case Study Approach
Laboratory Applications in Microbiology: A Case Study Approach
Introduction to Magnetohydrodynamics (Cambridge Texts in Applied Mathematics)
Ideal Magnetohydrodynamics (Modern Perspectives in Energy)
The Dominion Astrophysical Observatory, Victoria, B.C.; A Sketch of the Development of Astronomy in Canada and of the Founding of This Observatory. a ... Details of the Telescope. an Account of the Welcome to the Universe: An Astrophysical Tour
Statistical Physics and Chaos in Fusion Plasmas (Nonequilibrium Problems in the Physical Sciences and Biology)
Modern Classical Physics: Optics, Fluids, Plasmas, Elasticity, Relativity, and Statistical Physics
Microwave Excited Plasmas, Volume 4 (Plasma Technology)
Physical Processes of the Interaction of Fusion Plasmas with Solids (Plasma-Materials Interactions)
Essential Laboratory Mathematics: Concepts and Applications for the Clinical and Chemical Laboratory Technician
Davis's Comprehensive Handbook of Laboratory and Diagnostic Tests With Nursing Implications (Davis's Comprehensive Handbook of Laboratory & Diagnostic Tests With Nursing Implications)
Davis's Comprehensive Handbook of Laboratory and Diagnostic Tests With Nursing Implications (Davis's Comprehensive Handbook of Laboratory & Diagnostic Tests W/ Nursing Implications)
Clinical Laboratory Blood Banking and Transfusion Medicine Practices (Pearson Clinical Laboratory Science)
Laboratory and Clinical Dental Materials (Dental Laboratory Technology Manuals)
Mosby's Manual of Diagnostic and Laboratory Tests, 4e (Mosby's Manual of Diagnostic & Laboratory Tests)
Mosby's Diagnostic and Laboratory Test Reference, 11e (Mosby's Diagnostic & Laboratory Test Reference)
Laboratory Tests and Diagnostic

Procedures with Nursing Diagnoses (8th Edition) (Laboratory & Diagnostic Tests with Nursing
Diagnoses (Corbet) Laboratory Tests and Diagnostic Procedures, 5e (Laboratory Tests &
Diagnostic Procedures)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)