

Turbulence, Dynamos, Accretion Disks, Pulsars And Collective Plasma Processes

[DOWNLOAD HERE](#)

J. Niemela, Hydrodynamic Turbulence in classical and quantum fluids; - M. L. Goldstein, Turbulence and global properties of the solar wind; - J. Niemela, Rayleigh-Benard convection at very high Rayleigh numbers; - M. L. Goldstein, Efforts to simulate solar wind turbulence; - P. K. Manoharan, Solar Wind Turbulence and Scintillation Studies; - V. Krishan, Modeling of spectral distribution in the solar wind through Hall-MHD; - S. Sridhar, Plasma turbulence in the interstellar medium; - R. Bingham, Neutrino driven plasma turbulence and supernovae explosions; - S. Sridhar, MHD turbulence; - A. R. Chouduri, Dynamo process in the astrophysical universe; - V. K. Gaur, The Earth's main geomagnetic field: Operation of a self excited dynamo; - A. R. Chouduri, The flux transport dynamo in the Sun; - V. K. Gaur, Kinematic theory and the dynamo conditions; - A. Mangalam, Constraints on dynamo action; - V. Krishan, Alpha effect in partially ionized plasmas; - Piyali Chatterjee, Predicting solar cycles with a flux transport dynamo model; - J. L. Han, Manifestation of pulsars -- General introduction; - A. A. Deshpande, Individual Pulses; - R. T. Gangadhara, Radio Pulsar Emission Geometry; - G. J. Qiao, High Energy Observations of pulsars; - Chen Wang, Wave propagation in magnetosphere; - J. L. Han, Pulsars as probes; - G. J. Qiao, Particle acceleration and radiation in magnetosphere; - A. A. Deshpande, Pulsar evolution; - R. T. Gangadhara, Possible Pulsar Radiation process; - G. S. Lakhina, An overview of the magnetosphere, substorms and geomagnetic storms; - P. K. Shukla, Collective Nonlinear Processes in Very Dense Plasmas; - P. K. Shukla, Collective Interactions in Complex Plasmas; - V. Krishan, MRI in accretion disks; - B. P. Pandey, The dynamics of magnetized accretion discs; - P. Subramanian, Hybrid viscosity and the magnetoviscous instability; - B. P. Pandey, Hall MHD in astrophysics; - B. Mukhopadhyay, Transonic properties of the accretion disk around compact objects; - G. Thejappa, Propagation Effects on Visibility and Directivity of Interplanetary Radio Bursts; - P. Venkatakrishnan, Measurement of Solar Magnetic Fields; - Sanjiv Kumar Tiwari, Evolution of Helicity in The Sun; - G. Thejappa, Low Frequency Waves Observed by Lunar Prospector above the Day side Surface of the Moon; - R. Bingham, Coherent Radiative Processes; - R. M. C. Thomas, Emission of radiation in pulsar

magnetosphere owing to charged particle acceleration; - A. K. Singal, The maximum brightness temperature limit - Inverse Compton vs. Diamagnetic effects; - R. P. Sharma, Generation Of Nonlinear Localized Wave Packets Of Kinetic Alfven Waves in Solar Plasmas and particle acceleration; - Mradual Sharma, Hydromagnetic Instability in differentially rotating flow; - Nilay Bhatt, Broadband spectral modeling of microquasars; - Binil Aryal, Coexistence of chiral symmetry restoration and random orientation of galaxies; - Nikhil Chakrabarti, Nonlinear Jeans instability in presence of uniform rotation; - Raju Khanal, Kinetic Trajectory Simulation Model of Magnetized Plasma Sheaths;- Siomel Savio Odriozola, Simulation of the dynamics in the magnetospheric current sheet for different conditions of the interplanetary magnetic field; - Tarsem Singh Gill, Ion acoustic solitons in a weakly relativistic plasma with non-thermal electrons and other electron distributions relevant to space plasma EAN/ISBN : 9781402088681 Publisher(s): Springer Netherlands Format: ePub/PDF Author(s): Burton, W. B. - Christensen, Lars Lindberg - Hasan, S. S.

[DOWNLOAD HERE](#)

Similar manuals: