## F [Fundamental]

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Convective Heat Transfer in Magnetic Field Reversals: Insights from a Low-Dimensional Dynamo Model EMIC Waves by Fitting the Observed Plasma Parameters using Cluster Observations Head on collision of multi ion acoustic solitons with arbitrary degenerate electrons Dynamical behaviors of topological defects of thermal phonons in 2D dusty plasma crystals Dust Acoustic Solitons and Breathers due to Polarization Force with (r, q) Distributed Ion The Effects of Dust Size Distribution and Dust Charging on Shock Waves in Non-maxwellain Dust in Tokamak Plasma Mode-Locking, Single- and Double-Well Chaos in Periodically Forced Quantum Degenerate Plasmas: Ravelling Unexplored Regimes of the Burgers Paradigm Two Streaming Instabilities in Semiconductor Quantum Plasma Stability and transport in high-ß stellarators: the role of kinetic ballooning modes Drift wave soliton formation via zonal flow generation and implication on staircase formation Spatial structure of ETG turbulence-driven effective diffusion and its relations with the trapped electron mode instability A comprehensive map of micro-instabilities in multi-species plasmas Novel approach to gyrokinetic-Maxwell eigenvalue problem Study on the coherent structure of drift wave turbulence by eigenmode method 2D Thomson scattering measurement of electron temperature and density-sin merging spherical tokamak plasmas Discharge-Driven Neutron Generation: Exploration and Application The wave characteristics of kinetic-scale slow solar wind turbulence and their impact on the spectrum: PSP observation Kinetic Alfvén Waves in the Primary Solar Wind: Shaping Our Understanding in the PSP and Solar Orbiter Era Kinetic Alfven Wave (KAW) in nonuniform magnetic plasma atmospheres and its applications Global simulation of drift-Alfven wave instability based on kinetic-MHD hybrid model in general geometry PRC Stationary Power-law Solutions of Weak Kinetic-Alfvénic Turbulence Waves and Turbulence in the Electron Diffusion Region to Drive Magnetic Reconnection Electron Heating From Colliding Plasma Waves Experiments on Shear Alfvén waves with large transverse wavenumbers PROTO-SPHERA, a MHD configuration formed and sustained by magnetic reconnections Magnetogenesis in collisionless plasma -- from Weibel instability to turbulent dynamo Magnetic reconnection in the presence of magnetic chaos: effects on secondary fluid instabilities Design of an advanced stabilizing shape controller on TCV using a rapid free-boundary simulator Ion FLR effect in ion heating during the merging of two spherical-tokamak-type plasmoids Estimating ionization states and continuum lowering from ab initio path integral Monte Carlo simulations for warm dense hydrogen Phase transition from hydrodynamic turbulence to zonal flows and back A wavelet-based model of magnetic turbulence in plasmas: features and applications Experimental Verification of Cascade of Electron Entropy in Laboratory Plasma Experiments Energy pathways driven by Kelvin-Helmholtz instability The kinetic theory of the macroscale non-diffusive convective flows of a magnetized plasma, produced by the inhomogeneous microturbulence. Fitting Formulas for Perpendicular Closure Coefficients in High-Collisionality Deuterium-Carbon Plasmas Nonlinear Magnetosonic Waves with Modified Temperatures Based on Non-Extensive g-Distribution and Generalized (r,g) Distribution. Validity of Gyrokinetic Theory in Magnetized Plasmas Impact of transport ordering breakdown on plasma currents and transports in a tokamak Kinetic equations for strongly magnetized homogeneous and inhomogeneous plasmas Modeling of Turbulent Transport due to Dissipative Trapped Electron Modes in Tokamak Plasmas Applying ideal Ohm's law to relaxed MHD equilibrium in Hahm-Kulsrud-Taylor slab geometry The metriplectic 4-bracket and the unified thermodynamic (UT) algorithm: applications and computations Effective field theory of Plasmas in Podolsky corrected Photonic field Propagatory dynamics of electromagnetic drift waves in inhomogeneous spin degenerate compact object&apos:s plasmas Effect of Variation of Presheath lons Temperature on Multicomponent Magnetized Plasma-Wall Transition Spatiotemporal Emission Spectra from Laser-Produced Tin Plasma in a Hydrogen gas Atmosphere Rayleigh-Taylor turbulence in strongly coupled plasmas On the effect of the magnetic compressibility in microtearing turbulence Experimental Study of the Influence of External Inflow Drive on Energy Conversion Rate in Guide Field Reconnection Primary Results of Multi-filter Soft X-Ray Tomography during Counter-Helicity Spheromak Merging Percolation of defect and hopping clusters in the melting transition of two-dimensional Yukawa solids Drift-energy replacement effect in multi-ion magnetized plasma Study on the coherent structure of drift wave turbulence by eigenmode method High Energy Electron Measurement in Tokamak Merging Experiments