

Pre-nominated Session FM19

Magnetohydrodynamics

Co-Chair(s): P.A. Davidson (UK)
 A. Thess (Germany)

Paper ID	Title	Authors
FM19L_10025	Migration and Interaction of two Conducting Particles Freely Immersed in a Liquid Metal	Antoine Sellier
FM19S_10235	Bifurcation of Conical Magnetic Field	Vladimir Shtern
FM19L_10931	Complementary Experiments at the Karlsruhe Dynamo Test Facility	Ulrich Mueller, Robert Stieglitz, Sandor Horanyi, Fritz Busse
FM19L_11120	Liquid Metal Flow Under Inhomogeneous Magnetic Field	Oleg Andreev, Yurii Kolesnikov, Andre Thess
FM19L_11124	Small - Scale Motion in the Core of the Earth	P. A. Davidson, F. Siso-Nadal
FM19L_11429	Magnetohydrodynamic Instabilities of Astrophysical Jets	Hubert Baty, Rony Keppens, Pierre Comte
FM19L_11458	Magnetohydrodynamic Motion of Toroidal Magnetic Eddies	Y. Hattori, H. K. Moffatt
FM19S_11621	Fluid Dynamos and Precession Driving	J. Leorat
FM19L_11637	Large Eddy Simulation of Magnetic Damping of Jet	Jungwoo Kim, Jeongyoung Park, Haechon Choi
FM19L_11681	Observations of the Magnetorotational Instability in Spherical Couette Flow	Daniel P. Lathrop
FM19S_11809	Simulating the Orszag-Tang vortex using RSPH	Steinar Borge, Marianne Omang, Jan Trulsen
FM19S_11906	Homogenisation of Electrically Heated Glass Melts by Lorentz Forces	U. Krieger, B. Halbedel, D. Hulsenberg, A. Thess
FM19L_12090	A Model for Liquid Metal Current Limiters	Andre Thess, Yurii Kolesnikov, T. Boeck

FM19L_12107	The Magnetohydrodynamic Couette Flow in a Plane and Spherical Geometries with Singular Hartmann Boundary Layers	Krzysztof A. Mizerski
FM19S_12120	Mean Electromotive Force for a Ring of Helical Vortices	Raul A. Avalos-Zuniga, Franck Plunian, Karl-Heinz Radler
FM19L_12125	Numerical Simulations of Dynamo Experiments	Andreas Tilgner
FM19L_12290	Stability of Liquid Metal Drops Affected by High - Frequency Magnetic Fields	Vaclav Kocourek, Christian Karcher, Dietmar Schulze
FM19L_12330	Quasi - Geostrophic Dynamos	Nathanel Schaeffer, Philippe Cardin
FM19S_12363	Model of Gas Flow Inside a Plasma Thruster	S. Barral, Z. Peradzynski, K. Makowski, M. Dudeck
FM19S_12587	Numerical Study of the Flow in a Finite Cylinder Driven by a Rotating Magnetic Field	Karel Frana, Jorg Stiller
FM19S_12605	Interface Reconstruction in Cylindrical Two - Compartment - Systems Using Magnetic Field Tomography	Hartmut Brauer, Marek Ziolkowski, Milko Kuilekov, Shouqiang Men, Christian Resagk
FM19S_12613	Contactless Inductive Flow Tomography: Theory and Experiment	Frank Stefani, Gunter Gerbeth, Thomas Gundrum
FM19L_12979	Dynamo Action in Steady Helical Pipe Flow	Leszek Zabielski, Jonathan A. Mestel