

Pre-nominated Session FM23

Topological fluid mechanics

Co-Chair(s): P.L. Boyland (USA)
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Paper ID	Title	Authors
FM23S_10247	Streamline Topology of the Nearwake of a Circular Cylinder at Low Reynolds Numbers	Morten Brons, Kristine Niss, Bo Jakobsen, Lars K. Voigt, Rune Petersen, Anders Bisgaard
FM23L_10938	Eulerian - Lagrangian Analysis of Navier - Stokes Turbulence	Koji Ohkitani, Peter Constantin
FM23L_11060	Topological Chaos in Simple Mixers	Matthew D. Finn, Stephen M. Cox, Helen M. Byrne
FM23S_11166	Gauge Principle for Ideal Fluids and Variational Principle	Tsutomu Kambe
FM23L_11660	Particle Transport by a Vortex Soliton	Yoshi Kimura, Souji Koikari
FM23L_11677	Generic Hydrodynamic Instability	Robert W. Ghrist, John B. Etnyre
FM23L_12375	Helicity Dynamics of Vortex Filaments	Darryl D. Holm, Samuel N. Stechmann
FM23L_12484	Relation Between Mixing Efficiency and Geometrical Property of Stable Manifolds	Mitsuaki Funakoshi, Hiroshi Kawazoe
FM23S_12868	Topological Aspects of the Tornado Problem	Dmytro I. Cherniy, Vyacheslav V. Meleshko, Stanislav A. Dovgiy