

Pre-nominated Session FM22

Stirring and mixing

Co-Chair(s): H. Aref (USA)
 E. Villermaux (France)

Paper ID	Title	Authors
FM22S_10130	Development of the Fractal Dimension of Material Elements in Homogeneous Isotropic Turbulence Using Kinematic Simulation	F. Nicolleau, A. El Maihy
FM22L_10497	Chaotic Advection in a Mixer with Changing Geometry	Stephen M. Cox, Matthew D. Finn
FM22S_10532	Enhanced Mixing by Vortices	Patrice Meunier, Emmanuel Villermaux
FM22S_10896	Geometric Features of High - Schmidt Number Scalar Mixing	Jörg Schumacher, Katepalli R. Sreenivasan
FM22L_11190	Front Propagation in Laminar Cellular Flows : an Experimental Study	Alain Pocheau, Fabien Harambat
FM22L_11293	On the Design of 3D Micromixers Having the Bernoulli Property	Stephen Wiggins, Julio M. Ottino
FM22L_12048	Intermittent Distribution of Heavy Inertial Particles in Turbulent Flows	Alain Pumir, Gregory Falkovich
FM22S_12110	Chaotic Stirring of Passive Fluid by a Vortex Pair in Circular Domain	Alexandre A. Gourjii, Vyacheslav V. Meleshko, GertJan F. van Heijst
FM22L_12158	Chaotic Advection and Mixing in Pulsed Source - Sink Systems	Mark A. Stremmer, Baratunde A. Cola
FM22S_12209	On Dissipative Structures of Stirring - Grids Turbulence	L. J. Jiang, S. S. Shy, T. H. Yuan
FM22L_12257	Evaluation of Transport Properties by Exchange Matrix Method	Tatyana S. Krasnopolskaya, Vyacheslav V. Meleshko

FM22L_12326	Mixing Is an Aggregation Process	E. Villermaux, J. Duplat
FM22S_12415	Stirring and Mixing Effects in Agglomerative Precipitation	Jerzy Baldyga, Magdalena Jasinska
FM22S_12439	Resonances and Mixing in Stokes Flows	Dmitri Vainchtein, Igor Mezic, Anatoly Neishtadt
FM22L_12442	Mixing in Multiconnected Planar Domains	Philip Boyland
FM22S_12545	Eulerian Measures for Lagrangian Stirring in a Thermally Driven Flow	R. J. Keane, P. L. Read, G. P. King
FM22S_12610	An Analysis of Mixing Process in a Static Mixer	Marek Jaszczur, Janusz Szmyd, Marcus Petermann
FM22S_12633	Stirring by Blinking Rotlets in a Bounded Stokes Flow	Dennis van der Woude, Herman Clercx, GertJan van Heijst, Vyacheslav V. Meleshko
FM22S_12731	Weak Inertia and Mixing Between Rough Surfaces	David Lo Jacono, Franck Plouraboué, Alain Bergeon, Pauline Assemat
FM22L_12761	Active Shear Superpositon Micromixer	Frederic Bottausci, Caroline Cardonne, Igor Mezic, Carl Meinhart