

- 1 Professor Hassan Aref – Obituary
J. M. Ottino
- 3 The structure of low-Froude-number lee waves over an isolated obstacle
S. B. Dalziel, M. D. Patterson, C. P. Caulfield & S. Le Brun
- 32 Effects of flexibility on the aerodynamic performance of flapping wings
C.-K. Kang, H. Aono, C. E. S. Cesnik & W. Shyy
- 75 Flowing resistance and dilatancy of dense suspensions: lubrication and repulsion
P. G. Rognon, I. Einav & C. Gay
- 97 Instability wave models for the near-field fluctuations of turbulent jets
K. Gudmundsson & T. Colonius
- 129 A non-local formulation of rotational water waves
A. C. L. Ashton & A. S. Fokas
- 149 Direct and indirect thermal expansion effects in turbulent premixed flames
V. Robin, A. Mura & M. Champion
- 183 Finite wavelength selection for the linear instability of a suspension of settling spheroids
A. A. Dahhkild
- S 203 Air-induced inverse Chladni patterns
H. J. van Gerner, K. van der Weele, M. A. van der Hoef & D. van der Meer
- S 221 The minimal seed of turbulent transition in the boundary layer
S. Cherubini, P. De Palma, J.-C. Robinet & A. Bottaro
- 254 Turbulent fountains in one- and two-layer crossflows
J. K. Ansong, A. Anderson-Frey & B. R. Sutherland
- 279 On generation of sound in wall-bounded shear flows: back action of sound and global acoustic coupling
X. Wu
- S 317 Counter-hairpin vortices in the turbulent wake of a sharp trailing edge
S. Ghaemi & F. Scarano
- 357 Solid–mush interface conditions for mushy layers
N. R. Gewecke & T. P. Schulze
- S 376 The onset of strongly localized thermal convection in rotating spherical shells
A. P. Bassom, A. M. Soward & S. V. Starchenko
- 417 Flow instabilities between two parallel planes semi-obstructed by an easily penetrable porous medium
N. Silin, J. Converti, D. Dalponte & A. Clausse
- 434 Coherent structures in uniformly sheared turbulent flow
C. Vanderwel & S. Tavoularis
- 465 New analytic solutions for wave propagation in flexible, tapered vessels with reference to mammalian arteries
G. Papadakis
- 489 Planar controlled gliding, tumbling and descent
P. Paoletti & L. Mahadevan
- 517 Dispersal of buoyancy-driven flow in porous media with inclined baffles
W. J. Rayward-Smith & A. W. Woods
- 529 Attenuation of short surface waves by the sea floor via nonlinear sub-harmonic interaction
M.-R. Alam, Y. Liu & D. K. P. Yue
- 541 Hydroelastic waves on fluid sheets
M. G. Blyth, E. I. Părău & J.-M. Vanden-Broeck
- 552 Pulsating electrohydrodynamic cone-jets: from choked jet to oscillating cone
D. B. Bober & C.-H. Chen
- 564 A ‘reciprocal’ theorem for the prediction of loads on a body moving in an inhomogeneous flow at arbitrary Reynolds number
J. Magnaudet
- 605 CORRIGENDUM

S indicates supplementary data or movies available online.