INDEX

Ahuja, K. K. *See* Tam & Ahuja

Aihara, Y. Formation of longitudinal vortices in the sublayer due to boundary-layer turbulence, 111–129

Akylas, T. R. & Kung, T.-J. On nonlinear wave envelopes of permanent form near a caustic, 489–502

Babiano, A., Basdevant, C., Le Roy, P. & Sadourny, R. Relative dispersion in two-dimensional turbulence, 535–557

Bai, R. *See* Chen, Bai & Joseph

Basdevant, C. *See* Babiano, Basdevant, Le Roy & Sadourny

Borgas, M. S. & Pedley, T. J. Non-uniqueness and bifurcation in annular and planar channel flows, 229–250

Breidenthal, R. E. *See* Shy & Breidenthal

Chen, K., Bai, R. & Joseph, D. D. Lubricated pipelining. Part 3. Stability of core–annular flow in vertical pipes, 251–286

Chevray, R. *See* Panides & Chevray

Cowley, S. & Hall, P. On the instability of hypersonic flow past a wedge, 17–42

Cox, S. M., Drazin, P. G., Ryrie, S. C. & Slater, K. Chaotic advection of irrotational flows and of waves in fluids, 517–534

Dixon, A. A stability analysis for interfacial waves using a Zakharov equation, 185–210

Drazin, P. G. *See* Cox, Drazin, Ryrie & Slater

Duck, P. W. The inviscid axisymmetric stability of the supersonic flow along a circular cylinder, 611–637

Fernández de la Mora, J. *See* Riesco-Chueca & Fernández de la Mora

Hall, P. *See* Cowley & Hall

Hart, J. E. On oscillatory flow over topography in a rotating fluid, 437–454

Joo, S. W., Schultz, W. W. & Messiter, A. F. An analysis of the initial-value wavemaker problem, 161–183

Joseph, D. D. *See* Chen, Bai & Joseph

Kuiken, H. K. Viscous sintering: the surface-tension-driven flow of a liquid form under the influence of curvature gradients at its surface, 503–515

Kung, T.-J. *See* Akylas & Kung

Le Roy, P. *See* Babiano, Basdevant, Le Roy & Sadourny

Leonard, A. *See* Rom-Kedar, Leonard & Wiggins

Lister, C. R. B. An explanation for the multivalued heat transport found experimentally for convection in a porous medium, 287–320

Liu, C. S. *See* Suh & Liu

Longuet-Higgins, M. S. An analytic model of sound production by raindrops, 395–410

Massaguer, J. M., Mercader, I. & Net, M. Nonlinear dynamics of vertical vorticity in low-Prandtl-number thermal convection, 579–597

Melville, W. K. *See* Zhang & Melville

Mercarder, I. *See* Massaguer, Mercader & Net

Messiter, A. F. *See* Joo, Schultz & Messiter

Miles, J. Parametrically excited standing edge waves, 43–57

Miles, J. Wave reflection from a gently sloping beach, 59–66

Moody, D. M. Unsteady expansion of an ideal gas into a vacuum, 455–468

Nam, S. Higher-order boundary-layer solution for unsteady motion of a circular cylinder, 89–110

Net, M. *See* Massaguer, Mercader & Net

Neumann, G. Three-dimensional numerical simulation of buoyancy-driven convection in vertical cylinders heated from below, 559–578

Panides, E. & Chevray, R. Vortex dynamics in a plane, moderate-Reynolds-number shear layer, 411–435

Pedley, T. J. *See* Borgas & Pedley

Riesco-Chueca, P. & Fernández de la Mora, J. Brownian motion far from equilibrium: a hypersonic approach, 639–663

Rom-Kedar, V., Leonard, A. & Wiggins, S. An analytical study of transport, mixing and chaos in an unsteady vortical flow, 347–394

Ryrie, S. C. *See* Cox, Drazin, Ryrie & Slater

Sadourny, R. *See* Babiano, Basdevant, Le Roy & Sadourny

Schultz, W. W. *See* Joo, Schultz & Messiter

Seminara, G. *See* Tubino & Seminara

Shy, S. S. & Breidenthal, R. E. Laboratory experiments on the cloud-top entrainment instability, 1–15

Slater, K. *See* Cox, Drazin, Ryrie & Slater

Smith, R. Two-dimensional shear dispersion for skewed flows in narrow gaps between moving surfaces, 211–228

Suh, Y. K. & Liu, C. S. Study on the flow structure around a flat plate in a stagnation flow field, 469–487

Tam, C. K. W. & Ahuja, K. K. Theoretical model of discrete tone generation by impinging jets, 67–87

Tubino, M. & Seminara, G. Free–forced interactions in developing meanders and suppression of free bars, 131–159

Wang, Y. G. & Wen, C. S. The effect of weak gravitational force on Brownian coagulation of small particles, 599–610

Wen, C. S. *See* Wang & Wen

Wiggins, S. *See* Rom-Kedar, Leonard & Wiggins

Zhang, J. & Melville, W. K. Evolution of weakly nonlinear short waves riding on long gravity waves, 321–346