

INDEX

- Batchelor, G. K. & Wen, C.-S.** Sedimentation in a dilute polydisperse system of interacting spheres. Part 2. Numerical results, 495–528
- Beaumont, D. N.** *See* Drazin, Beaumont & Coaker
- Bergin, M.** *See* Su, Bergin, Marler & Myrick
- Brown, S. N. & Simpson, C. J.** Collision phenomena in free-convective flow over a sphere, 123–137
- Caponi, E. A., Fornberg, B., Knight, D. D., McLean, J. W., Saffman, P. G. & Yuen, H. C.** Calculations of laminar viscous flow over a moving wavy surface, 347–362
- Chollet, J. P.** *See* Herring, Schertzer, Lesieur, Newman, Chollet & Larcheveque
- Clavin, P.** *See* Pelce & Clavin
- Coaker, S. A.** *See* Drazin, Beaumont & Coaker
- De Siervi, F., Viguier, H. C., Greitzer, E. M. & Tan, C. S.** Mechanisms of inlet-vortex formation, 173–207
- Drazin, P. G., Beaumont, D. N. & Coaker, S. A.** On Rossby waves modified by basic shear, and barotropic instability, 439–456
- Fornberg, B.** *See* Caponi, Fornberg, Knight, McLean, Saffman & Yuen
- Ganatos, P., Weinbaum, S. & Pfeffer, R.** Gravitational and zero-drag motion of a sphere of arbitrary size in an inclined channel at low Reynolds number, 27–43
- Greitzer, E. M.** *See* De Siervi, Viguier, Greitzer & Tan
- Hall, P.** Taylor–Gortler vortices in fully developed or boundary-layer flows: linear theory, 475–494
- Hanratty, T. J.** *See* Hogenes & Hanratty
- Herring, J. R., Schertzer, D., Lesieur, M., Newman, G. R., Chollet, J. P. & Larcheveque, M.** A comparative assessment of spectral closures as applied to passive scalar diffusion, 411–437
- Hogenes, J. H. A. & Hanratty, T. J.** The use of multiple wall probes to identify coherent flow patterns in the viscous wall region, 363–390
- Ishii, K.** *See* Kaneda & Ishii
- Kaneda, Y. & Ishii, K.** The hydrodynamic interaction of two spheres moving in an unbounded fluid at small but finite Reynolds number, 209–217
- Keller, J. B.** *See* Vanden-Broeck & Keller
- Knight, D. D.** *See* Caponi, Fornberg, Knight, McLean, Saffman & Yuen
- Kurosaka, M.** Acoustic streaming in swirling flow and the Ranque–Hilsch (vortex-tube) effect, 139–172
- Larcheveque, M.** *See* Herring, Schertzer, Lesieur, Newman, Chollet & Larcheveque
- Lecordier, J. C.** *See* Paranthoen, Petit & Lecordier
- Lesieur, M.** *See* Herring, Schertzer, Lesieur, Newman, Chollet & Larcheveque
- Marler, P.** *See* Su, Bergin, Marler & Myrick
- Matalon, M. & Matkowsky, B. J.** Flames as gasdynamic discontinuities, 239–259
- Matkowsky, B. J.** *See* Matalon & Matkowsky
- Maxey, M. R.** Distortion of turbulence in flows with parallel streamlines, 261–282
- McLean, J. W.** *See* Caponi, Fornberg, Knight, McLean, Saffman & Yuen

- Meiron, D. I., Saffman, P. G. & Yuen, H. C.** Calculation of steady three-dimensional deep-water waves, 109–121
- Morris, S.** The effects of a strongly temperature-dependent viscosity on slow flow past a hot sphere, 1–26
- Myrick, R.** *See* Su, Bergin, Marler & Myrick
- Newman, G. R.** *See* Herring, Schertzer, Lesieur, Newman, Chollet & Larcheveque
- Paranthoen, P., Petit, C. & Lecordier, J. C.** The effect of the thermal prong-wire interaction on the response of a cold wire in gaseous flows (air, argon and helium), 457–473
- Pelce, P. & Clavin, P.** Influence of hydrodynamics and diffusion upon the stability limits of laminar premixed flames, 219–237
- Petit, C.** *See* Paranthoen, Petit & Lecordier
- Pfeffer, R.** *See* Ganatos, Weinbaum & Pfeffer
- Rockwell, D.** *See* Ziada & Rockwell
- Rottman, J. W.** Steep standing waves at a fluid interface, 283–306
- Saffman, P. G.** *See* Caponi, Fornberg, Knight, McLean, Saffman & Yuen; Meiron, Saffman & Yuen
- Schertzer, D.** *See* Herring, Schertzer, Lesieur, Newman, Chollet & Larcheveque
- Simpson, C. J.** *See* Brown & Simpson
- Su, M.-Y.** Three-dimensional deep-water waves. Part 1. Experimental measurement of skew and symmetric wave patterns, 73–108
- Su, M.-Y., Bergin, M., Marler, P. & Myrick, R.** Experiments on nonlinear instabilities and evolution of steep gravity-wave trains, 45–72
- Tan, C. S.** *See* De Siervi, Viguier, Greitzer & Tan
- Thorpe, S. A.** On the layers produced by rapidly oscillating a vertical grid in a uniformly stratified fluid. 391–409
- Vanden-Broeck, J.-M. & Keller, J. B.** Jets rising and falling under gravity, 335–345
- Viguier, H. C.** *See* De Siervi, Viguier, Greitzer & Tan
- Weinbaum, S.** *See* Ganatos, Weinbaum & Pfeffer
- Wen, C.-S.** *See* Batchelor & Wen
- Yuen, H. C.** *See* Caponi, Fornberg, Knight, McLean, Saffman & Yuen; Meiron, Saffman & Yuen
- Ziada, S. & Rockwell, D.** Oscillations of an unstable mixing layer impinging upon an edge, 307–334

REVIEW

Hydrodynamic Stability, by P. G. Drazin and W. H. Reid, 529–532