

## INDEX

- Amberg, G. & Homsy, G. M.** Nonlinear analysis of buoyant convection in binary solidification with application to channel formation, 79–98
- Baker, G., Caffisch, R. E. & Siegel, M.** Singularity formation during Rayleigh–Taylor instability, 51–78
- Barbaro, G.** *See* Boccotti, Barbaro & Mannino
- Barber, B. C.** On the dispersion relation for trapped internal waves, 31–49
- Barnett, S. J.** A vertical buoyant jet with high momentum in a long ventilated tunnel, 279–300
- Batchelor, G. K. & Nitsche, J. M.** Instability of stratified fluid in a vertical cylinder, 419–448
- Boccotti, P., Barbaro, G. & Mannino, L.** A field experiment on the mechanics of irregular gravity waves, 173–186
- Borhan, A.** *See* Haj-Hariri, Nadim & Borhan
- Caffisch, R. E.** *See* Baker, Caffisch & Siegel
- Chung, J. N.** *See* Paik, Nguyen & Chung
- Crighton, D. G.** *See* Hammerton & Crighton
- Davidson, P. A.** Similarities in the structure of swirling and buoyancy-driven flows, 357–382
- Desrayaud, G. & Lauriat, G.** Unsteady confined buoyant plumes, 617–646
- Doelman, A.** *See* Schielen, Doelman & Swart
- Drummond, I. T.** Stretching and bending of line elements in random flows, 479–498
- Evans, D. V.** *See* Linton & Evans
- Fajans, J.** *See* Peurrung, Notte & Fajans
- Fink, J. H.** *See* Griffiths & Fink
- Fredsoe, J., Sumer, B. M., Laursen, T. S. & Pedersen, C.** Experimental investigation of wave boundary layers with a sudden change in roughness, 117–146
- Griffiths, R. W. & Fink, J. H.** Effects of surface cooling on the spreading of lava flows and domes, 667–702
- Haj-Hariri, H., Nadim, A. & Borhan, A.** Reciprocal theorem for concentric compound drops in arbitrary Stokes flows, 265–277
- Hall, P.** Streamwise vortices in heated boundary layers, 301–324
- Hammerton, P. W. & Crighton, D. G.** Overturning of nonlinear acoustic waves. Part 1. A general method, 585–599
- Hammerton, P. W. & Crighton, D. G.** Overturning of nonlinear acoustic waves. Part 2. Relaxing gas dynamics, 601–615
- Harlen, O. G. & Koch, D. L.** Simple shear flow of a suspension of fibres in a dilute polymer solution at high Deborah number, 187–207
- Henningson, D. S.** *See* Reddy & Henningson
- Hofman, M.** Flow along a horizontal plate near a free surface, 399–418
- Homsy, G. M.** *See* Amberg & Homsy
- Ingham, D. B.** *See* Yan, Ingham & Morton

- Koch, D. L.** *See* Harlen & Koch
- Lauriat, G.** *See* Desrayaud & Lauriat
- Laursen, T. S.** *See* Fredsøe, Sumer, Laursen & Pedersen
- Linton, C. M. & Evans, D. V.** Hydrodynamic characteristics of bodies in channels, 647–666
- Longuet-Higgins, M. S.** Capillary-gravity waves of solitary type and envelope solitons on deep water, 703–711
- Mannino, L.** *See* Boccotti, Barbaro & Mannino
- Maslennikova, I. I.** *See* Zelman & Maslennikova
- McEwan, I. K. & Willetts, B. B.** Adaptation of the near-surface wind to the development of sand transport, 99–115
- McIver, M.** *See* McIver & McIver
- McIver, P. & McIver, M.** Sloshing frequencies of longitudinal modes for a liquid contained in a trough, 525–541
- Miles, J. W.** Appendix to Morland & Saffman
- Morland, L. C. & Saffman, P. G.** Effect of wind profile on the instability of wind blowing over water, 383–398
- Morton, B. R.** *See* Yan, Ingham & Morton
- Nadim, A.** *See* Haj-Hariri, Nadim & Borhan
- Nguyen, H. D.** *See* Paik, Nguyen & Chung
- Nitsche, J. M.** *See* Batchelor & Nitsche
- Notte, J.** *See* Peurrung, Notte & Fajans
- Özdemir, İ. B. & Whitelaw, J. H.** Impingement of an unsteady two-phase jet on unheated and heated flat plates, 499–523
- Paik, S., Nguyen, H. D. & Chung, J. N.** A study of argon thermal plasma flow over a solid sphere, 543–564
- Pedersen, C.** *See* Fredsøe, Sumer, Laursen & Pedersen
- Peurrung, A. J., Notte, J. & Fajans, J.** Collapse and winding of an asymmetric annulus of vorticity, 713–720
- Proctor, M. R. E.** Appendix to Batchelor & Nitsche
- Reddy, S. C. & Henningson, D. S.** Energy growth in viscous channel flows, 209–238
- Saffman, P. G.** *See* Morland & Saffman
- Sangani, A. S. & Sureshkumar, R.** Linear acoustic properties of bubbly liquids near the natural frequency of the bubbles using numerical simulations, 239–264
- Savenkov, I. V.** Wave packets, resonant interactions and soliton formation in inlet pipe flow, 1–30
- Schielen, R., Doelman, A. & Swart, H. E. de** On the nonlinear dynamics of free bars in straight channels, 325–356
- Shrira, V. I.** Surface waves on shear currents: solution of the boundary-value problem, 565–584
- Siegel, M.** *See* Baker, Caffisch & Siegel
- Sumer, B. M.** *See* Fredsøe, Sumer, Laursen & Pedersen
- Sureshkumar, R.** *See* Sangani & Sureshkumar
- Swart, H. E. de** *See* Schielen, Doelman & Swart

**Whitelaw, J. H.** *See* Özdemir & Whitelaw

**Willetts, B. B.** *See* McEwan & Willetts

**Yan, B., Ingham, D. B. & Morton, B. R.** Streaming flow induced by an oscillating cascade of circular cylinders, 147–171

**Zelman, M. B. & Maslennikova, I. I.** Tollmien–Schlichting-wave resonant mechanism for sub-harmonic-type transition, 449–478