

## INDEX

- Asadullah, M.** *See* Proudman & Asadullah
- Balsa, T. F.** On the receptivity of free shear layers to two-dimensional external excitation, 155–177
- Barthes-Biesel, D.** *See* Li, Barthes-Biesel & Helmy
- Basdevant, C.** *See* Chomaz, Rabaud, Basdevant & Couder
- Bau, H. H.** *See* Himasekhar & Bau
- Berkovsky, B. M. & Smirnov, N. N.** Capillary hydrodynamic effects in high magnetic fields, 319–327
- Castro, I. P. & Snyder, W. H.** Upstream motions in stratified flow, 487–506
- Catton, I.** *See* Jacobs & Catton
- Cederlöf, U.** Free-surface effects on spin-up, 395–407
- Chomaz, J. M., Rabaud, M., Basdevant, C. & Couder, Y.** Experimental and numerical investigation of a forced circular shear layer, 115–140
- Couder, Y.** *See* Chomaz, Rabaud, Basdevant & Couder
- Dowling, A. P.** The dynamics of towed flexible cylinders. Part 1. Neutrally buoyant elements, 507–532
- Dowling, A. P.** The dynamics of towed flexible cylinders. Part 2. Negatively buoyant elements, 533–571
- Hall, D.** Measurements of the mean force on a particle near a boundary in turbulent flow, 451–466
- Helland, K. M.** *See* Rohr, Itsweire, Helland & Van Atta
- Helmy, A.** *See* Li, Barthes-Biesel & Helmy
- Himasekhar, K. & Bau, H. H.** Two-dimensional bifurcation phenomena in thermal convection in horizontal, concentric annuli containing saturated porous media, 267–300
- Ierley, G. R. & Malkus, W. V. R.** Stability bounds on turbulent Poiseuille flow, 435–449
- Itsweire, E. C.** *See* Rohr, Itsweire, Helland & Van Atta
- Jacobs, J. W. & Catton, I.** Three-dimensional Rayleigh–Taylor instability. Part 1. Weakly nonlinear theory, 329–352
- Jacobs, J. W. & Catton, I.** Three-dimensional Rayleigh–Taylor instability. Part 2. Experiment, 353–371
- Joseph, D. D.** *See* Preziosi & Joseph
- Kang, I. S. & Leal, L. G.** Small-amplitude perturbations of shape for a nearly spherical bubble in an inviscid straining flow (steady shapes and oscillatory motion), 231–266
- Klein, R. & Peters, N.** Cumulative effects of weak pressure waves during the induction period of a thermal explosion in a closed cylinder, 197–230
- Law, D. H.-S., MacTaggart, R. S., Nandakumar, K. & Masliyah, J. H.** Settling behaviour of heavy and buoyant particles from a suspension in an inclined channel, 301–318
- Leal, L. G.** *See* Kang & Leal
- Li, X. Z., Barthes-Biesel, D. & Helmy, A.** Large deformations and burst of a capsule freely suspended in an elongational flow, 179–196

- Liu, X. & Squire, L. C.** An investigation of shock/boundary-layer interactions on curved surfaces at transonic speeds, 467–486
- MacTaggart, R. S.** *See* Law, MacTaggart, Nandakumar & Masliyah
- Malkus, W. V. R.** *See* Ierley & Malkus
- Masliyah, J. H.** *See* Law, MacTaggart, Nandakumar & Masliyah
- Miles, J. W.** The evolution of a weakly nonlinear, weakly damped, capillary-gravity wave packet, 141–154
- Nandakumar, K.** *See* Law, MacTaggart, Nandakumar & Masliyah
- Nokes, R. I. & Wood, I. R.** Vertical and lateral turbulent dispersion: some experimental results, 373–394
- Paidoussis, M. P. & Price, S. J.** The mechanisms underlying flow-induced instabilities of cylinder arrays in crossflow, 45–59
- Peters, N.** *See* Klein & Peters
- Preziosi, L. & Joseph, D. D.** The run-off condition for coating and rimming flows, 99–113
- Price, S. J.** *See* Paidoussis & Price
- Proudman, I. & Asadullah, M.** Steady viscous flow near a stationary contact line, 35–43
- Rabaud, M.** *See* Chomaz, Rabaud, Basdevant & Couder
- Ralph, M. E.** Pressure drop and power dissipation in oscillatory wavy-walled-tube flows, 573–588
- Rohr, J. J., Itsweire, E. C., Helland, K. M. & Van Atta, C. W.** An investigation of the growth of turbulence in a uniform-mean-shear flow, 1–33
- Smirnov, N. N.** *See* Berkovsky & Smirnov
- Smith, R.** Minimizing shoreline pollution in rivers with tributaries, 589–597
- Snyder, W. H.** *See* Castro & Snyder
- Spalart, P. R.** Direct simulation of a turbulent boundary layer up to  $R_\theta = 1410$ , 61–98
- Squire, L. C.** *See* Lui & Squire
- Szekely, J.** *See* Thompson & Szekely
- Thompson, M. E. & Szekely, J.** Mathematical and physical modelling of double-diffusive convection of aqueous solutions crystallizing at a vertical wall, 409–433
- Van Atta, C. W.** *See* Rohr, Itsweire, Helland & Van Atta
- Wood, I. R.** *See* Nokes & Wood