

## INDEX

- Ali, M. & Weidman, P. D.** On the stability of circular Couette flow with radial heating, 53–84
- Badr, H. M., Coutanceau, M., Dennis, S. C. R. & Ménard, C.** Unsteady flow past a rotating circular cylinder at Reynolds numbers  $10^3$  and  $10^4$ , 459–484
- Bassom, A. P. & Seddougui, S. O.** The onset of three-dimensionality and time-dependence in Görtler vortices: neutrally stable wavy modes, 661–672
- Bernard, P. S. & Handler, R. A.** Reynolds stress and the physics of turbulent momentum transport, 99–124
- Breuer, K. S. & Haritonidis, J. H.** The evolution of a localized disturbance in a laminar boundary layer. Part 1. Weak disturbances, 569–594
- Breuer, K. S. & Landahl, M. T.** The evolution of a localized disturbance in a laminar boundary layer. Part 2. Strong disturbances, 595–621
- Brown, S. N., Cheng, H. K. & Lee, C. J.** Inviscid–viscous interaction on triple-deck scales in a hypersonic flow with strong wall cooling, 309–337
- Cambon, C.** *See* Jacquin, Leuchter, Cambon & Mathieu
- Chang, K.-S. & Sa, J.-Y.** The effects of buoyancy on vortex shedding in the near wake behind a circular cylinder, 253–266
- Cheng, H. K.** *See* Brown, Cheng & Lee
- Coutanceau, M.** *See* Badr, Coutanceau, Dennis & Ménard
- Creighton, B. J.** *See* Lin, Lian & Creighton
- Crighton, D. G. & Huerre, P.** Shear-layer pressure fluctuations and superdirective acoustic sources, 355–368
- Dennis, S. C. R.** *See* Badr, Coutanceau, Dennis & Ménard
- Duck, P. W.** Unsteady three-dimensional marginal separation, including breakdown, 85–98
- Elmore, P. A.** *See* Pumphrey & Elmore
- Faeth, G. M.** *See* Parthasarathy & Faeth
- Girimaji, S. S. & Pope, S. B.** Material-element deformation in isotropic turbulence, 427–458
- Handler, R. A.** *See* Bernard & Handler
- Haritonidis, J. H.** *See* Breuer & Haritonidis
- Heister, S. D., McDonough, J. M., Karagozian, A. R. & Jenkins, D. W.** The compressible vortex pair, 339–354
- Huerre, P.** *See* Crighton & Huerre
- Jacquin, L., Leuchter, O., Cambon, C. & Mathieu, J.** Homogeneous turbulence in the presence of rotation, 1–52
- Jenkins, D. W.** *See* Heister, McDonough, Karagozian & Jenkins
- Jensen, O. E.** Instabilities of flow in a collapsed tube, 623–659
- Karagozian, A. R.** *See* Heister, McDonough, Karagozian & Jenkins
- Kassoy, D. R.** *See* Wang & Kassoy
- Landahl, M. T.** *See* Breuer & Landahl
- Leal, L. G.** *See* Stone & Leal

- Lee, C. J.** *See* Brown, Cheng & Lee
- Leuchter, O.** *See* Jacquin, Leuchter, Cambon & Mathieu
- Lian, Z. W.** *See* Lin, Lian & Creighton
- Lin, S. P., Lian, Z. W. & Creighton, B. J.** Absolute and convective instability of a liquid sheet, 673–689
- Mathieu, J.** *See* Jacquin, Leuchter, Cambon & Mathieu
- McDonough, J. M.** *See* Heister, McDonough, Karagozian & Jenkins
- Ménard, C.** *See* Badr, Coutanceau, Dennis & Ménard
- Mitlin, V. S.** Two-phase multicomponent filtration: instabilities, autowaves and retrograde phenomena, 369–395
- Moin, P.** *See* Pauley, Moin & Reynolds
- Morris, P. J.** Instability waves in twin supersonic jets, 293–307
- Newell, A. C., Passot, T. & Souli, M.** The phase diffusion and mean drift equations for convection at finite Rayleigh numbers in large containers, 187–252
- Parthasarathy, R. N. & Faeth, G. M.** Turbulence modulation in homogeneous dilute particle-laden flows, 485–514
- Parthasarathy, R. N. & Faeth, G. M.** Turbulent dispersion of particles in self-generated homogeneous turbulence, 515–537
- Passot, T.** *See* Newell, Passot & Souli
- Pauley, L. P., Moin, P. & Reynolds, W. C.** The structure of two-dimensional separation, 397–411
- Pope, S. B.** *See* Girimaji & Pope
- Pumphrey, H. C. & Elmore, P. A.** The entrainment of bubbles by drop impacts, 539–567
- Reynolds, W. C.** *See* Pauley, Moin & Reynolds
- Sa, J.-Y.** *See* Chang & Sa
- Seddougui, S. O.** *See* Bassom & Seddougui
- Souli, M.** *See* Newell, Passot & Souli
- Stone, H. A. & Leal, L. G.** The effects of surfactants on drop deformation and breakup, 161–186
- Wang, M. & Kassoy, D. R.** Dynamic compression and weak shock formation in an inert gas due to fast piston acceleration, 267–292
- Weidman, P. D.** *See* Ali & Weidman
- Wilson, S. D. R.** The Taylor–Saffman problem for a non-Newtonian liquid, 413–425
- Yeo, K. S.** The hydrodynamic stability of boundary-layer flow over a class of anisotropic compliant walls, 125–160