

## INDEX

- Achard, J. L. & Lespinard, G. M.** Structure of the transient wall-friction law in one-dimensional models of laminar pipe flows, 283-298
- Barthès-Biesel, D. & Raillson, J. M.** The time-dependent deformation of a capsule freely suspended in a linear shear flow, 251-267
- Brighton, P. W. M.** *See* Smith, Brighton, Jackson & Hunt
- Chew, Y.-T.** *See* Simpson, Chew & Shivaprasad
- Cruickshank, J. O. & Munson, B. R.** Viscous fluid buckling of plane and axisymmetric jets, 221-239
- Da Costa, L. M.** *See* Knobloch, Weiss & Da Costa
- Deckker, B. E. L.** *See* Iwamoto & Deckker
- Denton, R. A. & Wood, I. R.** Penetrative convection at low Péclet number, 1-21
- Dudis, J. J.** Interpretation of phase velocity measurements of wind-generated surface waves, 241-249
- Elliott, C. J. & Townsend, A. A.** The development of a turbulent wake in a distorting duct, 433-467
- Ffowcs Williams, J. E. & Purshouse, M.** A vortex sheet modelling of boundary-layer noise, 187-220
- Gebhart, B.** *See* Mollendorf, Johnson & Gebhart
- Hopfinger, E. J.** *See* Piat & Hopfinger
- Hunt, J. C. R.** *See* Smith, Brighton, Jackson & Hunt
- Iwamoto, J. & Deckker, B. E. L.** Development of flow field when a symmetrical under-expanded sonic jet impinges on a flat plate, 299-313
- Jackson, P. S.** *See* Smith, Brighton, Jackson & Hunt
- Johnson, R. S.** *See* Mollendorf, Johnson & Gebhart
- Keiper, R. & Spurk, J. H.** Methane oxidation near a cold wall, 333-346
- Knobloch, E., Weiss, N. O. & Da Costa, L. N.** Oscillatory and steady convection in a magnetic field, 153-186
- Koop, C. G.** A preliminary investigation of the interaction of internal gravity waves with a steady shearing motion, 347-386
- Lespinard, G. M.** *See* Achard & Lespinard
- Martin, P. A.** On the null-field equations for water-wave radiation problems, 315-332
- Mollendorf, J. C., Johnson, R. S. & Gebhart, B.** Several plume flows in pure and saline water at its density maximum, 269-282
- Munson, B. R.** *See* Cruickshank & Munson
- Narusawa, U. & Suzukawa, Y.** Experimental study of double-diffusive cellular convection due to a uniform lateral heat flux, 387-405
- Paterson, L.** Radial fingering in a Hele Shaw cell, 513-529
- Piat, J.-F. & Hopfinger, E. J.** A boundary layer topped by a density interface, 411-432

- Proctor, M. R. E.** Planform selection by finite-amplitude thermal convection between poorly conducting slabs, 469-485
- Purshouse, M.** *See* Ffowcs Williams & Purshouse
- Rallison, J. M.** *See* Barthès-Biesel & Rallison
- Schofield, W. H.** Equilibrium boundary layers in moderate to strong adverse pressure gradients, 91-122
- Scott, J. F.** Singular perturbation theory applied to the collective oscillation of gas bubbles in a liquid, 487-511
- Shiloh, K., Shivaprasad, B. G. & Simpson, R. L.** The structure of a separating turbulent boundary layer. Part 3. Transverse velocity measurements, 75-90
- Shivaprasad, B. G.** *See* Shiloh, Shivaprasad & Simpson; Simpson, Chew & Shivaprasad
- Simpson, R. L.** *See* Shiloh, Shivaprasad & Simpson
- Simpson, R. L., Chew, Y.-T. & Shivaprasad, B. G.** The structure of a separating turbulent boundary layer. Part 1. Mean flow and Reynolds stresses, 23-51
- Simpson, R. L., Chew, Y.-T. & Shivaprasad, B. G.** The structure of a separating turbulent boundary layer. Part 2. Higher-order turbulence results, 53-73
- Smith, F. T.** Comparisons and comments concerning recent calculations for flow past a circular cylinder, 407-410
- Smith, F. T., Brighton, P. W. M., Jackson, P. S. & Hunt, J. C. R.** On boundary-layer flow past two-dimensional obstacles, 123-152
- Spurk, J. H.** *See* Keiper & Spurk
- Suzukawa, Y.** *See* Narusawa & Suzukawa
- Townsend, A. A.** *See* Elliott & Townsend
- Weiss, N. O.** *See* Knobloch, Weiss & Da Costa
- Wood, I. R.** *See* Denton & Wood

#### REVIEWS

- Internal Fluid Flow: The Fluid Dynamics of Flow in Pipes and Ducts*, by A. J. Ward-Smith, 530-533
- Mathematics Applied to Deterministic Problems in the Natural Sciences*, by C. C. Lin and L. A. Segel, 533-534
- Mathematics Applied to Continuum Mechanics*, by L. A. Segel, 534-535