

## INDEX

- ALDRIDGE, KEITH D. & TOOMRE, ALAR. Axisymmetric inertial oscillations of a fluid in a rotating spherical container, 307
- APELT, C. J. Hartmann flow in annular channels. Part 2. Numerical solutions for low to moderate Hartmann numbers, 209
- BACH, GLEN G. & LEE, JOHN H. Initial propagation of impulsively generated converging cylindrical and spherical shock waves, 513
- BAINES, P. G. & GILL, A. E. On thermohaline convection with linear gradients, 289
- BAINES, W. D. & TURNER, J. S. Turbulent buoyant convection from a source in a confined region, 51
- BEARMAN, P. W. On vortex shedding from a circular cylinder in the critical Reynolds number régime, 577
- BELLHOUSE, B. J. Velocity and pressure distributions in the aortic valve, 587
- BLYTHE, P. A. Non-linear wave propagation in a relaxing gas, 31
- BLYTHE, P. A., PETTY, D. G., SCHOFIELD, D. A. & WILSON, J. L. On the structure of a class of aerothermodynamic shocks, 349
- BREACH, D. R. *See* CHESTER, W. & BREACH, D. R.
- BRENNEN, C. The dynamic balances of dissolved air and heat in natural cavity flows, 115
- BRENNEN, CHRISTOPHER. A numerical solution of axisymmetric cavity flows, 671
- BRODKEY, ROBERT S. *See* CORINO, E. R. & BRODKEY, ROBERT S.
- BUSSE, F. H. On Howard's upper bound for heat transport by turbulent convection, 457
- BUYEVICH, YU. A., LEONOV, A. I. & SAFRAL, V. M. Variations in filtration velocity due to random large-scale fluctuations of porosity, 371
- BUZYNA, GEORGE. *See* WEGENER, PETER P. & BUZYNA, GEORGE
- CHAM, T.-S. & HEAD, M. R. Turbulent boundary-layer flow on a rotating disk, 129
- CHESTER, W. & BREACH, D. R. On the flow past a sphere at low Reynolds number, 751
- CORINO, E. R. & BRODKEY, ROBERT S. A visual investigation of the wall region in turbulent flow, 1
- COX, R. G. The deformation of a drop in a general time-dependent fluid flow, 601
- CROW, S. C. Distortion of sonic bangs by atmospheric turbulence, 529
- CSANADY, G. T. *See* KRISHNAPPA, G. & CSANADY, G. T.
- FOSTER, THEODORE, D. The effect of initial conditions and lateral boundaries on convection, 81
- FUNG, Y. C. *See* LEE, J. S. & FUNG, Y. C.
- GILL, A. E. *See* BAINES, P. G. & GILL, A. E.
- HEAD, M. R. *See* CHAM, T.-S. & HEAD, M. R.
- HELLIWELL, J. B. Self similar piston problems with radiative heat transfer, 497
- HUSAR, R. B. *See* SPARROW, E. M. & HUSAR, R. B.
- JAFFRIN, M. Y. *See* SHAPIRO, A. H., JAFFRIN, M. Y. & WEINBERG, S. L.
- JONES, A. F. & ROSENBLAT, S. The flow induced by torsional oscillations of infinite planes, 337
- JOUBERT, P. N. *See* PERRY, A. E., SCHOFIELD, W. H. & JOUBERT, P. N.
- KATO, H. & PHILLIPS, O. M. On the penetration of a turbulent layer into stratified fluid, 643

- KRISHNAPPA, G. & CSANADY, G. T. An experimental investigation of the composition of jet noise, 149
- KUIKEN, H. K. Free convection at low Reynolds numbers, 785
- LAROCK, BRUCE E. Jets from two-dimensional symmetric nozzles of arbitrary shape, 479
- LEE, JOHN H. *See* BACH, GLEN G. & LEE, JOHN H.
- LEE, J. S. & FUNG, Y. C. Stokes flow around a circular cylindrical post confined between two parallel plates, 657
- LEONOV, A. I. *See* BUYEVICH, YU. A., LEONOV, A. I. & SAFRAI, V. M.
- LONGUET-HIGGINS, M. S. On the reflexion of wave characteristics from rough surfaces, 231
- LONGUET-HIGGINS, M. S. On the trapping of long-period waves round islands, 773
- MALCOLM, D. G. Some aspects of turbulence measurement in liquid mercury using cylindrical quartz-insulated hot-film sensors, 701
- MICHAEL, D. H.<sup>†</sup> & NOREY, P. W. Particle collision efficiencies for a sphere, 565
- MILGRAM, JEROME H. The motion of a fluid in a cylindrical container with free surface following vertical impact, 435
- MYSAK, L. A. On the generation of double Kelvin waves, 417
- NASH, J. F. The calculation of three-dimensional turbulent boundary layers in incompressible flow, 625
- NOREY, P. W. *See* MICHAEL, D. H. & NOREY, P. W.
- PARLANCE, JEAN-YVES. Spherical cap bubbles with laminar wakes, 257
- PERRY, A. E., SCHOFIELD, W. H. & JOUBERT, P. N. Rough wall turbulent boundary layers, 383
- PETERKA, JON A. & RICHARDSON, PETER D. Effects of sound on separated flows, 265
- PETTY, D. G. *See* BLYTHE, P. A., PETTY, D. G., SCHOFIELD, D. A. & WILSON, J. L.
- PHILLIPS, O. M. *See* KATO, H. & PHILLIPS, O. M.
- RHINES, P. B. Slow oscillations in an ocean of varying depth. Part 1. Abrupt topography, 161
- RHINES, P. B. Slow oscillations in an ocean of varying depth. Part 2. Islands and sea-mounts, 191
- RICHARDSON, PETER D. *See* PETERKA, JON A. & RICHARDSON, PETER D.
- ROSENBLAT, S. *See* JONES, A. F. & ROSENBLAT, S.
- SAFRAI, V. M. *See* BUYEVICH, YU. A., LEONOV, A. I. & SAFRAI, V. M.
- SAKURAI, TAKEO. Spin down problem of rotating stratified fluid in thermally insulated circular cylinders, 689
- SCHOFIELD, D. A. *See* BLYTHE, P. A., PETTY, D. G., SCHOFIELD, D. A. & WILSON, J. L.
- SCHOFIELD, W. H. *See* PERRY, A. E., SCHOFIELD, W. H. & JOUBERT, P. N.
- SHAPIRO, A. H., JAFFRIN, M. Y. & WEINBERG, S. L. Peristaltic pumping with long wavelengths at low Reynolds number, 799
- SPARROW, E. M. & HUSAR, R. B. Longitudinal vortices in natural convection flow on inclined plates, 251
- SQUIRE, L. C. A law of the wall for compressible turbulent boundary layers with air injection, 449
- SUBRAMANYAM, S. V. A note on the damping and oscillations of a fluid drop moving in another fluid, 715
- TOOMRE, ALAR. *See* ALDRIDGE, KEITH D. & TOOMRE, ALAR
- TURNER, J. S. *See* BAINES, W. D. & TURNER, J. S.

- UNDERWOOD, ROBERT LEIGH. Calculation of incompressible flow past a circular cylinder at moderate Reynolds numbers, 95
- WANG, YEE-CHANG. The interaction of internal waves with an unsteady non-uniform current, 761
- WEGENER, PETER P. & BUZYNA, GEORGE. Experiments on shock stand-off distance in non-equilibrium flow, 325
- WEINBERG, S. L. *See* SHAPIRO, A. H., JAFFRIN, M. Y. & WEINBERG, S. L.
- WILLIAMS, GARETH P. Numerical integration of the three-dimensional Navier–Stokes equations for incompressible flow, 727
- WILSON, J. L. *See* BLYTHE, P. A., PETTY, D. G., SCHOFIELD, D. A. & WILSON, J. L.
- ZDRAVKOVICH, M. M. Smoke observations of the formation of a Kármán vortex street, 491

## REVIEWS

- Loose Boundary Layers*, by A. J. Raudkivi, 207
- Mécanique des fluides*, by E. A. Brun, A. Martinot-Lagarde and J. Mathieu, 414

## SHORTER NOTICES

- Introduction to the Hydrodynamics of Porous Bodies*, by St I. Gheorgita, 826
- Clear Air Turbulence*, by N. K. Vinnichenko, N. Z. Pinus, S. M. Schmeter and G. N. Shur, 826
- Dynamics of Elastic Containers Partially Filled with Liquid*, by I. M. Rapoport, 826
- Directory of Fire Research in the United States, 1965–1967*, 826
- Thermodynamic Tables in S.I. (Metric) Units*, by R. W. Haywood, 827
- Proceedings of the Summer Seminar in Fluid Mechanics*, edited by P. L. Bhatnagar, 827
- Proceedings of the 16th Japan National Congress for Applied Mechanics 1966*, 827
- Numerical Methods in Engineering, Volume I, No. 1*, edited by O. C. Zienkiewicz and R. H. Gallagher, 827