

INDEX

- BALDWIN, LIONEL V. *See* KUO, YUNG-HUANG & BALDWIN, LIONEL V.
- BARCILON, ALBERT I. Vortex decay above a stationary boundary, 155
- BARCILON, VICTOR On the motion due to sources and sinks distributed along the vertical boundary of a rotating fluid, 551
- BARRETT, K. E. On the impulsively started rotating sphere, 779
- BENJAMIN, T. BROOKE & FEIR, J. E. The disintegration of wave trains on deep water, 417
- BOOKER, JOHN R. & BRETHERTON, FRANCIS P. The critical layer for internal gravity waves in a shear flow, 513
- BRADBURY, L. J. S. & RILEY, J. The spread of a turbulent plane jet issuing into a parallel moving airstream, 381
- BRADSHAW, P. Irrotational fluctuations near a turbulent boundary layer, 209
- BRADSHAW, P. & GALEA, P. V. Step-induced separation of a turbulent boundary layer in incompressible flow, 111
- BRETHERTON, FRANCIS P. *See* BOOKER, JOHN R. & BRETHERTON, FRANCIS P.
- BROWN-EDWARDS, E. G. Temperature measurements in a hypersonic gun tunnel using a modified line-reversal method, 493
- CALVERT, J. R. Experiments on the low-speed flow past cones, 273
- CARMODY, THOMAS *See* SAMI, SEDAT; CARMODY, THOMAS & ROUSE, HUNTER.
- CHANG, TIEN SUN & SARTORY, WALTER K. Hydromagnetic stability of dissipative flow between rotating permeable cylinders. Part 1. Stationary critical modes, 65
- CHENG, PING & VINCENTI, WALTER G. Inviscid radiating flow over a blunt body, 625
- COOKE, J. C. *See* HORLOCK, J. H., NORBURY, J. F. & COOKE, J. C.
- DAVIS, R. T. Laminar incompressible flow past a semi-infinite flat plate, 691
- EDNEY, B. E. Temperature measurements in a hypersonic gun tunnel using heat-transfer methods, 503
- ELDER, J. W. Steady free convection in a porous medium heated from below, 29
- ELDER, J. W. Transient convection in a porous medium, 609
- ERICKSEN, J. L. Twisting of liquid crystals, 59
- FAY, JAMES A. *See* SAJBEN, MIKLOS & FAY, JAMES A.
- FEIR, J. E. *See* BENJAMIN, T. BROOKE & FEIR, J. E.
- GALEA, P. V. *See* BRADSHAW, P. & GALEA, P. V.
- GALLOWAY, A. J. *See* WILLMARTH, W. W., HAWK, N. E., GALLOWAY, A. J. & ROOS, F. W.
- GREEN, T. & STREET, R. L. Two supercavitating hydrofoils near a free surface, 1
- GREENSPAN, H. P. *See* PEDLOSKY, J. & GREENSPAN, H. P.
- HARPER, J. F., MOORE, D. W. & PEARSON, J. R. A. The effect of the variation of surface tension with temperature on the motion of bubbles and drops, 361
- HAWK, N. E. *See* WILLMARTH, W. W., HAWK, N. E., GALLOWAY, A. J. & ROOS, F. W.
- HERRING, H. J. & NORBURY, J. F. Some experiments on equilibrium turbulent boundary layers in favourable pressure gradients, 541
- HORLOCK, J. H., NORBURY, J. F. & COOKE, J. C. Three-dimensional boundary layers: a report on *Euromech* 2, 369
- HORNUNG, H. G. Inviscid hypersonic flow over plane power-law bodies, 315
- HSU, CHEN-CHI. Viscoelastic flow past a wedge with a soluble coating, 445

- HUNTER, C. The axisymmetric flow in a rotating annulus due to a horizontally applied temperature, 753
- INGHAM, D. B. Dual solutions of the magnetogasdynamic boundary-layer equations, 145
- KAO, Hsiao C. An analytic approach to the method of series truncation for the supersonic blunt-body problem, 789
- KELLY, R. E. On the stability of an inviscid shear layer which is periodic in space and time, 657
- KUO, YUNG-HUANG & BALDWIN, LIONEL V. The formation of elliptical wakes, 353
- LIGHTHILL, M. J. On waves generated in dispersive systems by travelling forcing effects, with applications to the dynamics of rotating fluids, 725
- LUKE, J. C. A variational principle for a fluid with a free surface, 395
- MAXWORTHY, T. A note on the existence of wakes behind large, rising bubbles, 367
- MOORE, D. W. *See* HARPER, J. F., MOORE, D. W. & PEARSON, J. R. A.
- MOWBRAY, D. E. The use of schlieren and shadowgraph techniques in the study of flow patterns in density stratified liquids, 595
- NORBURY, J. F. *See* HERRING H. J. & NORBURY J. F.
- NORBURY, J. F. *See* HORLOCK, J. H. & NORBURY, J. F., COOTE, J. C.
- O'NEILL, M. E. & STEWARTSON, K. On the slow motion of a sphere parallel to a nearby plane wall, 705
- PEARSON, J. R. A. *See* HARPER, J. F., MOORE, D. W. & PEARSON, J. R. A.
- PEDLOSKY, J. & GREENSPAN, H. P. A simple laboratory model for the oceanic circulation, 291
- PEREGRINE, D. H. Long waves on a beach, 815
- PHILLIPS, O. M. The maintenance of Reynolds stress in turbulent shear flow, 131
- POTTER, MERLE, C. *See* REYNOLDS, W. C. & POTTER, MERLE C.
- RARITY, B. S. H. On the breakdown of characteristics solutions in flows with vibrational relaxation, 49
- REYNOLDS, W. C. & POTTER, MERLE C. Finite-amplitude instability of parallel shear flows, 465
- REYNOLDS, W. C. & TIEDERMAN, W. G. Stability of turbulent channel flow, with application to Malkus's theory, 253
- RILEY, J. *See* BRADBURY, L. J. S. & RILEY, J.
- ROOS, F. W. *See* WILLMARTH, W. W., HAWK, N. E., GALLOWAY, A. J. & ROOS, F. W.
- ROUSE, HUNTER *See* SAMI, SEDAT; CARMODY, THOMAS & ROUSE, HUNTER
- RUSSELL, DAVID A. Shock-wave strengthening by area convergence, 305
- SAFFMAN, P. G. The large-scale structure of homogeneous turbulence, 581
- SAJBEN, MIKLOS & FAY, JAMES A. Measurement of the growth of a turbulent mercury jet in a coaxial magnetic field, 81
- SAMI, SEDAT; CARMODY, THOMAS & ROUSE, HUNTER. Jet diffusion in the region of flow establishment, 231
- SARTORY, WALTER K. *See* CHANG, TIEN SUN & SARTORY, WALTER K.
- SCHUBERT, G. Viscous flow near a cusped corner, 647
- SPALDING, D. B. Heat transfer from turbulent separated flows, 97
- STEWARTSON, K. *See* O'NEILL, M. E. & STEWARTSON, K.
- STREET, R. L. *See* GREEN, T. & STREET, R. L.
- TAUB, PAUL A. The interaction of a fibre tangle with an airflow, 561
- TIEDERMAN, W. G. *See* REYNOLDS, W. C. & TIEDERMAN, W. G.

- VINCENTI, WALTER G. *See* CHENG, PING & VINCENTI, WALTER G.
 WHITHAM, G. B. Non-linear dispersion of water waves, 399
 WILLMARTH, W. W., HAWK, N. E., GALLOWAY, A. J. & ROOS, F. W. Aerodynamics of oscillating disks and a right-circular cylinder, 177
 WYGNANSKI, I. The two-dimensional laminar jet in parallel streaming flow, 431
 YIH, CHIA-SHUN. Instability due to viscosity stratification, 337

REVIEWS

- Aerodynamics of Wings and Bodies*, 413
An Introduction to the Method of Characteristics, 415
Strömungs-und Temperatur-grenzschichten, 624
Shock Waves and Detonations in Gases, 828

SHORTER NOTICES

- Numerical Methods in Gas Dynamics*, 828
Magnetohydrodynamic Stability and Thermonuclear Containment, 828
The Theory of Jets in an Ideal Fluid, 829
Engineering Fluid Mechanics, 829
Handbook of Specific Losses in Flow Systems, 829
Proceedings of the 14th Japan National Congress for Applied Mechanics, Kyoro, 1964, 829
Proceedings of the 1966 Heat Transfer and Fluid Mechanics Institute, 829
Studies in Fluid Dynamics, 829