

INDEX

- ABLOWITZ, MARK J. & SEGUR, HARVEY. On the evolution of packets of water waves, 691
- ACRIVOS, ANDREAS & HERBOLZHEIMER, ERIC. Enhanced sedimentation in settling tanks with inclined walls, 435
- ADAM, J. A. *See* CRAIK & ADAM
- ATTEN, E. J. *See* HOPFINGER, ATTEN & BUSSE
- BEAVERS, G. S. *See* YOO, JOSEPH & BEAVERS
- BEN-DOR, G. & GLASS, I. I. Domains and boundaries of non-stationary oblique shock-wave reflexions. 1. Diatomic gas, 459
- BENJAMIN, T. BROOKE & SCOTT, JOHN C. Gravity-capillary waves with edge constraints, 241
- BRITTER, R. E., HUNT, J. C. R. & MUMFORD, J. C. The distortion of turbulence by a circular cylinder, 269
- BUSSE, F. H. *See* HOPFINGER, ATTEN & BUSSE
- CAIRNS, R. A. The role of negative energy waves in some instabilities of parallel flows, 1
- CHAN, P. C.-H. & LEAL, L. G. The motion of a deformable drop in a second-order fluid, 131
- CHEN, K. C. *See* TAM & CHEN
- COLEMAN, R. M. *See* HAUSSLING & COLEMAN
- CRAIK, A. D. D. & ADAM, J. A. 'Explosive' resonant wave interactions in a three-layer fluid flow, 15
- DAGAN, G. *See* STIASSNIE & DAGAN
- FAVIER, D. *See* MARESCA, FAVIER & REBONT
- GLASS, I. I. *See* BEN-DOR & GLASS
- GRIFFITHS, R. W. The influence of a third diffusing component upon the onset of convection, 659
- HAN, TAEYOUNG & PATEL, V. C. Flow separation on a spheroid at incidence, 643
- HARITONIDIS, J. H. *See* WYGNANSKI, HARITONIDIS & KAPLAN
- HAUSSLING, H. J. & COLEMAN, R. M. Nonlinear water waves generated by an accelerated circular cylinder, 767
- HERBOLZHEIMER, E. *See* ACRIVOS & HERBOLZHEIMER
- HERTERICH, K. *See* OLBERS & HERTERICH
- HINCH, E. J. & LEAL, L. G. Rotation of small non-axisymmetric particles in a simple shear flow, 591
- HOPFINGER, E. J., ATTEN, P. & BUSSE, F. H. Instability and convection in fluid layers: A report on *Euromech* 106, 217
- HORNE, ROLAND N. Three-dimensional natural convection in a confined porous medium heated from below, 751
- HUNT, J. C. R. *See* BRITTER, HUNT & MUMFORD
- IVERSEN, J. D. Autorotating flat-plate wings: the effect of the moment of inertia, geometry and Reynolds number, 327
- JOSEPH, D. D. *See* YOO, JOSEPH & BEAVERS
- KAPLAN, R. E. *See* WYGNANSKI, HARITONIDIS & KAPLAN
- KUO, YI-YU. *See* MASUDA, KUO & MITSUYASU; MITSUYASU, KUO & MASUDA
- LAW, C. K. & LAW, H. K. Thermal-ignition analysis in boundary-layer flows, 97
- LAW, H. K. *See* LAW & LAW
- LEAL, L. G. *See* CHAN & LEAL; HINCH & LEAL

- LEVER, D. A. Large distortion of the electric double layer around a charged particle by a shear flow, 421
- MARESCA, C., FAVIER, D. & REBONT, J. Experiments on an aerofoil at high angle of incidence in longitudinal oscillations, 671
- MASUDA, AKIRA. *See* MITSUYASU, KUO & MASUDA
- MASUDA, AKIRA, KUO, YI-YU & MITSUYASU, HISASHI. On the dispersion relation of random gravity waves. Part 1. Theoretical framework, 717
- MERKINE, LEE-OR & SOLAN, ALEXANDER. The separation of flow past a cylinder in a rotating system, 381
- MITSUYASU, HISASHI. *See* MASUDA, KUO & MITSUYASU
- MITSUYASU, HISASHI, KUO, YI-YU & MASUDA, AKIRA. On the dispersion relation of random gravity waves. Part 2. An experiment, 731
- MUMFORD, J. C. *See* BRITTER, HUNT & MUMFORD
- OLBERS, DIRK J. & HERTERICH, KLAUS. The spectral energy transfer from surface waves to internal waves, 349
- OLSON, J. M. & ROSENBERGER, F. Convective instabilities in a closed vertical cylinder heated from below. Part 1. Monocomponent gases, 609
- OLSON, J. M. & ROSENBERGER, F. Convective instabilities in a closed vertical cylinder heated from below. Part 2. Binary gas mixtures, 631
- PATEL, V. C. *See* HAN & PATEL
- PLASCHKO, PETER. Helical instabilities of slowly divergent jets, 209
- REBONT, J. *See* MARESCA, FAVIER & REBONT
- ROSENBERGER, F. *See* OLSON & ROSENBERGER
- RUSSEL, WILLIAM B. The low-shear limit of the effective viscosity of a solution of charged macromolecules, 401
- SAFFMAN, P. G. The approach of a vortex pair to a plane surface in inviscid fluid, 497
- SALUSTI, E. On the shape of a deformed eddy with varying Coriolis force, 109
- SAVAGE, STUART B. Gravity flow of cohesionless granular materials in chutes and channels, 53
- SCOTT, JOHN C. *See* BENJAMIN & SCOTT
- SEGUR, H. *See* ABLowitz & SEGUR
- SMITH, F. T. Laminar flow of an incompressible fluid past a bluff body: the separation, reattachment, eddy properties and drag, 171
- SNEYD, A. D. Fluid flow induced by a rapidly alternating or rotating magnetic field, 35
- SOLAN, A. *See* MERKINE & SOLAN
- STIASSNIE, M. & DAGAN, G. Partial reflexion of water waves by non-uniform adverse currents, 119
- TAM, CHRISTOPHER K. W. & CHEN, K. C. A statistical model of turbulence in two-dimensional mixing layers, 303
- WYGNANSKI, I., HARITONIDIS, J. H. & KAPLAN, R. E. On a Tollmien-Schlichting wave packet produced by a turbulent spot, 505
- YOO, J., JOSEPH, D. D. & BEAVERS, G. S. Higher-order theory of the Weissenberg effect, 529

REVIEWS

- Fractals: Form, Chance and Dimension*, by Benoit B. Mandelbrot, 206
- Mechanics of Underwater Noise*, by Donald Ross, 393
- Modelling and Prediction of the Upper Layers of the Ocean*, edited by E. B. Kraus, 395
- Magnetic Field Generation in Electrically Conducting Fluids*, by H. K. Moffatt, 397
- Handbook of Turbulence. Volume 1. Fundamentals and Applications*, edited by W. Frost and T. H. Moulden, 783