INDEX

ACRIVOS, ANDREAS. A note on the rate of heat or mass transfer from a small particle freely suspended in a linear shear field, 299
See also HINCH & ACRIVOS

ACTON, E. A modelling of large eddies in an axisymmetric jet, 1

AHLERS, GUENTER. Effect of departures from the Oberbeck–Boussinesq approximation on the heat transport of horizontal convecting fluid layers, 137

ALLEN, J. S. & ROMEA, R. D. On coastal trapped waves at low latitudes in a stratified ocean, 555

ATTHEY, D. R. A mathematical model for fluid flow in a weld pool at high currents, 787

BATCHELOR, G. K. Mass transfer from small particles suspended in turbulent fluid, 609

BORNSTEIN, J. *See* ESCUDIER, BORNSTEIN & ZEHNDER

CATTON, IVAN. *See* YAO, CATTON & MCDONOUGH

CHEN, C. F. *See* PALIWAL & CHEN

COTTON, FREDERICK W. *See* SALWEN, COTTON & GROSCH

DAGAN, G. *See* DOCTORS & DAGAN

DAVIS, STEPHEN H. Moving contact lines and rivulet instabilities. Part 1. The static rivulet, 225

DAVIS, STEPHEN H. & HOMSY, GEORGE M. Energy stability theory for free-surface problems: buoyancy–thermocapillary layers, 527

DOCTORS, L. J. & DAGAN, G. Comparison of nonlinear wave-resistance theories for a two-dimensional pressure distribution, 647

DUCK, P. W. *See* SMITH & DUCK

DURBIN, P. A. *See* GOLDSTEIN & DURBIN

ESCUDIER, M. P., BORNSTEIN, J. & ZEHNDER, N. Observations and LDA measurements of confined vortex flow, 49

FARELL, C. *See* GÜVEN, FARELL & PATEL

FORNBERG, BENGT. A numerical study of steady viscous flow past a circular cylinder, 819

GOLDSTEIN, M. E. & DURBIN, P. A. The effect of finite turbulence spatial scale on the amplification of turbulence by a contracting stream, 473

GREATED, C. A. *See* MULLIN & GREATED

GROSCH, CHESTER E. *See* SALWEN, COTTON & GROSCH

GUSTAVSSON, L. HÅKAN & HULTGREN, LENNART S. A resonance mechanism in plane Couette flow, 149

GÜVEN, O., FARELL, C. & PATEL, V. C. Surface-roughness effects on the mean flow past circular cylinders, 673

HAKIMI, F. S. & SCHOWALTER, W. R. The effects of shear and vorticity on deformation of a drop, 635

HINCH, E. J. & ACRIVOS, A. Long slender drops in a simple shear flow, 305

HOMSY, GEORGE M. *See* DAVIS & HOMSY; JHAVERI & HOMSY

HULTGREN, L. S. *See* GUSTAVSSON & HULTGREN

HUSAIN, Z. D. *See* SOKOLOV, HUSSAIN, KLEIS & HUSAIN

HUSSAIN, A. K. M. F., KLEIS, S. J. & SOKOLOV, M. A 'turbulent spot' in an axisymmetric free shear layer. Part 2, 97
See also SOKOLOV, HUSSAIN, KLEIS & HUSAIN

JHAVERI, BHARAT & HOMSY, G. M. Randomly forced Rayleigh–Bénard convection, 329

KELLER, J. B. *See* VANDEN-BROECK & KELLER

KILLWORTH, PETER K. & MANINS, PETER C. A model of confined thermal convection by non-uniform heating from below, 587

KLEIS, S. J. *See* HUSSAIN, KLEIS & SOKOLOV; SOKOLOV, HUSSAIN, KLEIS & HUSAIN

KNICKERBOCKER, C. J. & NEWELL, ALAN C. Shelves and the Korteweg–de Vries equation, 803

LANDAHL, M. T. A note on an algebraic instability of inviscid parallel shear flows, 243

LEAL, L. G. *See* LEE & LEAL

LEE, S. H. & LEAL, L. G. Motion of a sphere in the presence of a plane interface. Part 2. An exact solution in bipolar co-ordinates, 193

LESLIE, D. C. Analysis of a strongly sheared, nearly homogeneous turbulent shear flow, 435

MCDONOUGH, J. M. *See* YAO, CATTON & MCDONOUGH

MANINS, PETER C. *See* KILLWORTH & MANINS

MELVILLE, W. K. On the Mach reflexion of a solitary wave, 285

MIRIE, RIDA M. *See* SU & MIRIE

MORRIS, PHILIP J. *See* TAM & MORRIS

MULLIN, T. & GREATED, C. A. Oscillatory flow in curved pipes. Part 1. The developing-flow case, 383

NEWELL, ALAN C. *See* KNICKERBOCKER & NEWELL

PALIWAL, R. C. & CHEN, C. F. Double-diffusive instability in an inclined fluid layer. Part 1. Experimental investigation, 755

PALIWAL, R. C. & CHEN, C. F. Double-diffusive instability in an inclined fluid layer. Part 2. Stability analysis, 769

PATEL, V. C. *See* GÜVEN, FARELL & PATEL

PHUOC, H. B. & TANNER, R. I. Thermally-induced extrudate swell, 253

RADFORD, P. J. *See* UNCLES & RADFORD

RALLISON, J. M. Note on the time-dependent deformation of a viscous drop which is almost spherical, 625

ROMEA, R. D. *See* ALLEN & ROMEA

SALWEN, HAROLD, COTTON, FREDERICK W. & GROSCH, CHESTER E. Linear stability of Poiseulle flow in a circular pipe, 273

SCHOWALTER, W. R. *See* HAKIMI & SCHOWALTER

SMITH, F. T. & DUCK, P. W. On the severe non-symmetric constriction, curving or cornering of channel flows, 727

SOKOLOV, M., HUSSAIN, A. K. M. F., KLEIS, S. J. & HUSAIN, Z. D. A 'turbulent spot' in an axisymmetric free shear layer. Part 1, 65
See also HUSSAIN, KLEIS & SOKOLOV

SOWARD, A. M. Finite-amplitude thermal convection and geostrophic flow in a rotating magnetic system, 449

SU, C. H. & MIRIE, RIDA M. On head-on collisions between two solitary waves, 509

TAM, CHRISTOPHER K. W. & MORRIS, PHILIP J. The radiation of sound by the instability waves of a compressible plane turbulent shear layer, 349

TANNER, R. I. *See* PHUOC & TANNER

TOWNSEND, A. A. The response of sheared turbulence to additional distortion, 171

TUCK, E. O. A nonlinear unsteady one-dimensional theory for wings in extreme ground effect, 33

UNCLES, R. J. & RADFORD, P. J. Seasonal and spring-neap tidal dependence of axial dispersion coefficients in the Severn – a wide, vertically mixed estuary, 703

VANDEN-BROECK, JEAN-MARC & KELLER, JOSEPH B. A new family of capillary waves, 161

YAO, LUN-SHIN, CATTON, IVAN & MCDONOUGH, J. M. Buoyancy-driven asymmetric water boundary layer along a heated cylinder, 417

ZEHNDER, N. *See* ESCUDIER, BORNSTEIN & ZEHNDER

REVIEWS

Sound Transmission Through a Fluctuating Ocean, edited by S. M. Flatté, 856
Fundamental Mechanics of Fluids, by I. G. Currie, 858
Fluid Mechanics, by Ruth H. Rogers, 858