INDEX

AGGARWAL, MEENA. *See* SINGH, SINHA & AGGARWAL

ANKER, D. & FREEMAN, N. C. Interpretation of three-soliton interactions in terms of resonant triads, 17

BANNINK, W. J. *See* NEBBELING & BANNINK

BARK, FRITZ H. & TINOCO, HERNÁN. Stability of plane Poiseuille flow of a dilute suspension of slender fibres, 321

BASU, B. C. & HANCOCK, G. J. The unsteady motion of a two-dimensional aerofoil in incompressible inviscid flow, 159

BERKOVSKY, B. & ROSENSWEIG, R. E. Magnetic fluid mechanics: a report on an International Advanced Course and Workshop, 521

BRINK-KJÆR, O. *See* JONSSON, BRINK-KJÆR & THOMAS

BUHR HANSEN, J. *See* SVENDSEN & BUHR HANSEN

CANTWELL, BRIAN, COLES, DONALD & DIMOTAKIS, PAUL. Structure and entrainment in the plane of symmetry of a turbulent spot, 641

CHALIKOV, D. V. The numerical simulation of wind–wave interaction, 561

CHWANG, ALLEN T. Hydrodynamic pressures on sloping dams during earthquakes. Part 2. Exact theory, 343

CHWANG, ALLEN T. & HOUSNER, GEORGE W. Hydrodynamic pressures on sloping dams during earthquakes. Part 1. Momentum method, 335

COLES, DONALD. *See* CANTWELL, COLES & DIMOTAKIS

DAVEY, A. On the stability of flow in an elliptic pipe which is nearly circular, 233

DAVEY, M. K. Recycling flow over bottom topography in a rotating annulus, 497

DIMOTAKIS, PAUL. *See* CANTWELL, COLES & DIMOTAKIS

DIPRIMA, R. C. *See* EAGLES, STUART & DIPRIMA

EAGLES, P. M., STUART, J. T. & DIPRIMA, R. C. The effects of eccentricity on torque and load in Taylor-vortex flow, 209

FREEMAN, N. C. *See* ANKER & FREEMAN

FRISCH, URIEL, SULEM, PIERRE-LOUIS & NELKIN, MARK. A simple dynamical model of intermittent fully developed turbulence, 719

GALLOWAY, D. J., PROCTOR, M. R. E. & WEISS, N. O. Magnetic flux ropes and convection, 243

GLASS, I. I. *See* LIU, WHITTEN & GLASS

GRAHAM, E. W. A conjecture on the stability and mixing of non-parallel shear flows, 785

GREENSPAN, H. P. & YOUNG, R. E. Flow over a containment dyke, 179

GROSCH, CHESTER E. & SALWEN, HAROLD. The continuous spectrum of the Orr–Sommerfeld equation. Part 1. The spectrum and the eigenfunctions, 33

HANCOCK, G. J. *See* BASU & HANCOCK

HASIMOTO, HIDENORI. *See* SANO & HASIMOTO

HIJUM, EP VAN. *See* YAMAMOTO, KONING, SELLMEIJER & HIJUM

HOMSY, GEORGE M. *See* WALKER & HOMSY

HOUSNER, GEORGE W. *See* CHWANG & HOUSNER

HUSSAIN, A. K. M. F. & ZAMAN, K. B. M. Q. The free shear layer tone phenomenon and probe interference, 349

JONES, A. F. & WILSON, S. D. R. The film drainage problem in droplet coalescence, 263

JONSSON, I. G., BRINK-KJÆR, O. & THOMAS, G. P. Wave action and set-down for waves on a shear current, 401

KAMBE, T. The dynamics of carangiform swimming motions, 533

KARANFILIAN, S. K. & KOTAS, T. J. Drag on a sphere in unsteady motion in a liquid at rest, 85

KELLER, JAKOB J. A note on nonlinear acoustic resonances in rectangular cavities, 299

KONING, H. L. *See* YAMAMOTO, KONING, SELLMEIJER & HIJUM

KOTAS, T. J. *See* KARANFILIAN & KOTAS

KOTSOVINOS, NIKOLAS E. A note on the conservation of the axial momentum of a turbulent jet, 55

KUMARI, M. & NATH, G. Unsteady laminar compressible boundary-layer flow at a three-dimensional stagnation point, 705

LARSEN, JESPER. A harbour theory for wind-generated waves based on ray methods, 143

LINDEN, P. F. & SHIRTCLIFFE, T. G. L. The diffusion interface in double-diffusive convection, 417

LIU, W. S., WHITTEN, B. T. & GLASS, I. I. Ionizing argon boundary layers. Part 1. Quasi-steady flat-plate laminar boundary-layer flows, 609

MARUMO, EISUKE, SUZUKI, KENJIRO & SATO, TAKASHI. A turbulent boundary layer disturbed by a cylinder, 121

MILES, JOHN W. On the evolution of a solitary wave for very weak nonlinearity, 773

MOFFATT, H. K. & MOORE, D. W. The response of Hill's spherical vortex to a small axisymmetric disturbance, 749

MOORE, D. W. *See* MOFFATT & MOORE

NATH, G. *See* KUMARI & NATH

NEBBELING, C. & BANNINK, W. J. Experimental investigation of the supersonic flow past a slender cone at high incidence, 475

NELKIN, MARK. *See* FRISCH, SULEM & NELKIN

ORSZAG, STEVEN A. *See* TANG & ORSZAG

PROCTOR, M. R. E. *See* GALLOWAY, PROCTOR & WEISS

RIAHI, N. Some predictions from the mean-field thermosolutal equations, 737

ROGLER, H. The interaction between vortex-array representations of free-stream turbulence and semi-infinite flat plates, 583

ROSENSWEIG, R. E. *See* BERKOVSKY & ROSENSWEIG

ROTUNNO, RICHARD. A note on the stability of a cylindrical vortex sheet, 761

SALWEN, HAROLD. *See* GROSCH & SALWEN

SANO, OSAMU & HASIMOTO, HIDENORI. The effect of two plane walls on the motion of a small sphere in a viscous fluid, 673

SATO, TAKASHI. *See* MARUMO, SUZUKI & SATO

SCHUBERT, GERALD. *See* STRAUS & SCHUBERT

SELLMEIJER, HANS. *See* YAMAMOTO, KONING, SELLMEIJER & HIJUM

SHIRTCLIFFE, T. G. L. *See* LINDEN & SHIRTCLIFFE

SINGH, M. P., SINHA, P. C. & AGGARWAL, MEENA. Flow in the entrance of the aorta, 97

SINHA, P. C. *See* SINGH, SINHA & AGGARWAL

SKALAK, RICHARD. *See* TÖZEREN & SKALAK

STRAUS, JOE M. & SCHUBERT, GERALD. On the existence of three-dimensional convection in a rectangular box containing fluid-saturated porous material, 385

STUART, J. T. *See* EAGLES, STUART & DIPRIMA

SULEM, PIERRE-LOUIS. *See* FRISCH, SULEM & NELKIN

SUZUKI, KENJIRO. *See* MARUMO, SUZUKI & SATO

SVENDSEN, IB. A. & BUHR HANSEN, J. On the deformation of periodic long waves over a gently sloping bottom, 433

TANG, CHA-MEI & ORSZAG, STEVEN A. Two-dimensional turbulence on the surface of a sphere, 305

THOMAS, G. P. *See* JONSSON, BRINK-KJÆR & THOMAS

TINOCO, HERNÁN. *See* BARK & TINOCO

TÖZEREN, HÜSNÜ & SKALAK, RICHARD. The steady flow of closely fitting incompressible elastic spheres in a tube, 1

VOSSERS, G. *See* VAN WIJNGAARDEN & VOSSERS

WALKER, KEN L. & HOMSY, GEORGE M. Convection in a porous cavity, 449

WEBER, J. E. On the stability of thermally driven shear flow heated from below, 65

WEIHS, DANIEL. Stability of thin, radially moving liquid sheets, 289

WEISS, N. O. *See* GALLOWAY, PROCTOR & WEISS

WHITTEN, B. T. *See* LIU, WHITTEN & GLASS

WIJNGAARDEN, L. VAN & VOSSERS, G. Mechanics and physics of gas bubbles in liquids: a report on Euromech 98, 695

WILSON, S. D. R. *See* JONES & WILSON

YAMAMOTO, TOKUO, KONING, H. L., SELLMEIJER, HANS & HIJUM, EP VAN. On the response of a poro-elastic bed to water waves, 193

YOUNG, R. E. *See* GREENSPAN & YOUNG

ZAMAN, K. B. M. Q. *See* HUSSAIN & ZAMAN

REVIEWS

The Benthic Boundary Layer, edited by I. N. McCave, 207

Bottom Turbulence, edited by J. C. J. Nihoul, 207

Linear and Nonlinear Waves, by G. B. Whitham, 395

Fundamentals of Temperature, Pressure and Flow Measurements, 2nd edition, by R. P. Benedict, 607

Laser Systems in Flow Measurements, by T. S. Durani and G. A. Greated, 607

Gas Dynamics, volumes 1 and 2, by M. J. Zucrow and J. D. Hoffman, 789

One-Dimensional Compressible Flow, by H. Daneshyar, 789

Elastohydrodynamic Lubrication, SI edition, by D. Dowson and G. R. Higginson, 792