

INDEX

- AKAMATSU, TERUAKI. *See* FUJIKAWA & AKAMATSU
- ARORA, S. C. & AZAD, R. S. Applicability of the isotropic vorticity theory to an adverse pressure gradient flow, 385
- AZAD, R. S. *See* ARORA & AZAD
- BAIRD, J. P. *See* EAST, STALKER & BAIRD
- BERGER, S. A. *See* DRESDNER, KATZ & BERGER
- BLACKMAN, DEANE R. *See* LLEONART & BLACKMAN
- BRISCOE, M. G. *See* McCOMAS & BRISCOE
- BROWAND, F. K. & TROUTT, T. R. A note on spanwise structure in the two-dimensional mixing layer, 771
- CAREY, VAN P., GEBHART, BENJAMIN & MOLLENDORF, JOSEPH C. Buoyancy force reversals in vertical natural convection flows in cold water, 279
- CEBEKI, TUNCER, KHATTAB, A. K. & STEWARTSON, KEITH. On nose separation, 435
- CHATWIN, P. C. & SULLIVAN, PAUL J. Some turbulent diffusion invariants, 405
- CHENG, H. K. & MENG, S. Y. The oblique wing as a lifting-line problem in transonic flow, 531
- CHEUNG, F. B. Heat source-driven thermal convection at arbitrary Prandtl number, 743
- DANIELS, P. G. Laminar boundary-layer reattachment in supersonic flow. Part 2. Numerical solution, 129
- DESHPANDE, M. D. & GIDDENS, D. P. Turbulence measurements in a constricted tube, 65
- DRESDNER, R. D., KATZ, D. F. & BERGER, S. A. The propulsion by large amplitude waves of uniflagellar micro-organisms of finite length, 591
- EAST, R. A., STALKER, R. J. & BAIRD, J. P. Measurements of heat transfer to a flat plate in a dissociated high-enthalpy laminar air flow, 673
- EL-CONSUL, A. M. *See* WALKER & EL-CONSUL
- FRISCH, H., LESIEUR, M. & SCHERTZER, D. Comments on the quasi-normal Markovian approximation for fully-developed turbulence, 182
- FUJIKAWA, SHIGEO & AKAMATSU, TERUAKI. Effects of the non-equilibrium condensation of vapour on the pressure wave produced by the collapse of a bubble in a liquid, 481
- GEBHART, BENJAMIN. *See* CAREY, GEBHART & MOLLENDORF
- GIDDENS, D. P. *See* DESHPANDE & GIDDENS
- GLASS, I. I. *See* LIU, TAKAYAMA & GLASS
- GOLDMAN, A. L. *See* PANTON, GOLDMAN, LOWERY & REISCHMAN
- GRAHAM, B. B. *See* GRAHAM & GRAHAM
- GRAHAM, E. W. & GRAHAM, B. B. The tank wall effect on internal waves due to a transient vertical force moving at fixed depth in a density stratified fluid, 91
- GRAHAM, J. M. R. The forces on sharp-edged cylinders in oscillatory flow at low Keulegan-Carpenter numbers, 331
- GUPTA, S. P. *See* SHUKLA, PARIHAR, RAO & GUPTA
- HASSELMANN, K. *See* HERTERICH & HASSELMANN
- HAUSSLING, H. J. Two-dimensional linear and nonlinear stern waves, 759
- HERRING, JACKSON R. Theoretical calculations of turbulent bispectra, 193
- HERTERICH, K. & HASSELMANN, K. A similarity relation for the nonlinear energy transfer in a finite-depth gravity-wave spectrum, 215

- HOWE, M. S. The influence of vortex shedding on the diffraction of sound by a perforated screen, 641
- JAMES, DAVID F. & SARINGER, J. H. Extensional flow of dilute polymer solutions, 655
- JOHNSON, R. S. Water waves and Korteweg-de Vries equations, 701
- KAO, TIMOTHY W. & PAO, HSIEN-PING. Wake collapse in the thermocline and internal solitary waves, 115
- KATZ, D. F. *See* DRESDNER, KATZ & BERGER
- KHATTAB, A. K. *See* CEBECI, KHATTAB & STEWARTSON
- KIEDA, A. *See* YANG & KIEDA
- KOROMILAS, C. A. & TELIONIS, D. P. Unsteady laminar separation: an experimental study, 347
- KUMAR, ANAND & YAJNIK, KIRIT S. Internal separated flows at large Reynolds number, 27
- LESIEUR, M. *See* FRISCH, LESIEUR & SCHERTZER
- LIU, W. S., TAKAYAMA, K. & GLASS, I. I. Coupled interactions of shock-wave structure with laminar boundary layers in ionizing-argon gas flows, 513
- LLEONART, G. T. & BLACKMAN, DEANE R. The spectral characteristics of wind-generated capillary waves, 455
- LONGUET-HIGGINS, M. S. Spin and angular momentum in gravity waves, 1
- LOWERY, R. L. *See* PANTON, GOLDMAN, LOWERY & REISCHMAN
- McCOMAS, C. H. & BRISCOE, M. G. Bispectra of internal waves, 205
- MACPHERSON, HUGH. The attenuation of water waves over a non-rigid bed, 721
- MEMOS, C. D. Energy transmission by surface waves through an opening, 557
- MENG, S. Y. *See* CHENG & MENG
- MIYAGI, TOSIO & NISHIOKA, MICHIO. Oseen velocity distributions in the wake of a flat plate, 145
- MOLLENDORF, JOSEPH C. *See* CAREY, GEBHART & MOLLENDORF
- NISHIOKA, MICHIO. *See* MIYAGI & NISHIOKA
- PANTON, RONALD L., GOLDMAN, A. L., LOWERY, R. L. & REISCHMAN, M. M. Low-frequency pressure fluctuations in axisymmetric turbulent boundary layers, 299
- PAO, HSIEN-PING. *See* KAO & PAO
- PARIHAR, R. S. *See* SHUKLA, PARIHAR, RAO & GUPTA
- PEREGRINE, D. H. *See* STIASSNIE & PEREGRINE
- PERRY, A. E. *See* PULLIN & PERRY
- PITTS, E. Penetration of fluid into a Hele-Shaw cell: the Saffman-Taylor experiment, 53
- PULLIN, D. I. & PERRY, A. E. Some flow visualization experiments on the starting vortex, 239
- RAHM, LARS & WALIN, GÖSTA. On thermally forced stratified rotating fluids, 807
- RAO, B. R. P. *See* SHUKLA, PARIHAR, RAO & GUPTA
- REEKS, M. W. Eulerian direct interaction applied to the statistical motion of particles in a turbulent fluid, 569
- REISCHMAN, M. M. *See* PANTON, GOLDMAN, LOWERY & REISCHMAN
- ROTUNNO, RICHARD. Vorticity dynamics of a convecting swirling boundary layer, 623
- SARINGER, J. H. *See* JAMES & SARINGER
- SCHERTZER, D. *See* FRISCH, LESIEUR & SCHERTZER
- SCHUBERT, GERALD. *See* ZEBIB, SCHUBERT & STRAUS
- SHUKLA, J. B., PARIHAR, R. S., RAO, B. R. P. & GUPTA, S. P. Effects of peripheral-layer viscosity on peristaltic transport of a bio-fluid, 225
- STALKER, R. J. *See* EAST, STALKER & BAIRD
- STEWARTSON, KEITH. *See* CEBECI, KHATTAB & STEWARTSON

- STIASSNIE, M. & PEREGRINE, D. H. Shoaling of finite-amplitude surface waves on water of slowly-varying depth, 783
- STRAUS, JOE M. *See* ZEBIB, SCHUBERT & STRAUS
- STÜCHELI, A. Flow development of a highly viscous fluid emerging from a slit onto a plate, 321
- SULLIVAN, PAUL J. *See* CHATWIN & SULLIVAN
- TAKAYAMA, K. *See* LIU, TAKAYAMA & GLASS
- TELIONIS, D. P. *See* KOROMILAS & TELIONIS
- TROUTT, T. R. *See* BROWAND & TROUTT
- WALIN, GÖSTA. *See* RAHM & WALIN
- WALKER, J. S. & EL-CONSUL, A. M. Steady flow in rapidly rotating variable-area rectangular ducts. Part 3. Inertial perturbations for small divergences, 417
- YAJNIK, KIRIT S. *See* KUMAR & YAJNIK
- YANG, H. & KIEDA, A. An approximate method for solving two-dimensional low-Reynolds-number flow past arbitrary cylindrical bodies, 157
- ZEBIB, ABDELFATTAH, SCHUBERT, GERALD & STRAUS, JOE M. Infinite Prandtl number thermal convection in a spherical shell, 257