

INDEX

- ACHIA, B. U. & THOMPSON, D. W. Structure of the turbulent boundary in drag-reducing pipe flow, 439
- ANATI, DAVID A., ASSAF, GAD & THOMPSON, RORY O. R. Y. Laboratory models of sea straits, 341
- ANDRÉ, J. C. & LESIEUR, M. Influence of helicity on the evolution of isotropic turbulence at high Reynolds number, 187
- ARIE, MIKIO. *See* KIYA & ARIE
- ASSAF, GAD. *See* ANATI, ASSAF & THOMPSON
- ASTILL, K. N. *See* CHUNG & ASTILL
- AZAD, R. S. *See* HEIDRICK, BANERJEE & AZAD
- BAI, KWANG JUNE. The added mass of two-dimensional cylinders heaving in water of finite depth, 85
- BANERJEE, S. *See* HEIDRICK, BANERJEE & AZAD
- BEAVERS, G. S. & JOSEPH, D. D. Novel Weissenberg effects, 265
- BUCKMASTER, J. Viscous sheets advancing over dry beds, 735
- BUSSE, F. H. *See* CLEVER & BUSSE
- CALDERON, A. & WALKER, J. S. Steady flow in rapidly rotating variable-area rectangular ducts. Part 2. Small divergences, 353
- CAMPOS, L. M. B. C. On the generation and radiation of magneto-acoustic waves, 529
- CHESTERS, A. K. An analytical solution for the profile and volume of a small drop or bubble symmetrical about a vertical axis, 609
- CHOI, C. K. *See* DAVIS & CHOI
- CHUNG, K. C. & ASTILL, K. N. Hydrodynamic instability of viscous flow between rotating coaxial cylinders with fully developed axial flow, 641
- CLAMEN, M. & MINTON, P. An experimental investigation of flow in an oscillating pipe, 421
- CLARKE, J. F. Chemical amplification at the wave head of a finite amplitude gasdynamic disturbance, 257
- CLASSEN, D. F. *See* DEWEY, McMILLIN & CLASSEN
- CLEVER, R. M. & BUSSE, F. H. Instabilities of longitudinal convection rolls in an inclined layer, 107
- CORRSIN, S. *See* HARRIS, GRAHAM & CORRSIN
- CRAIK, A. D. D. The generation of Langmuir circulations by an instability mechanism, 209
- DAVIS, A. M. J. & O'NEILL, M. E. Separation in a slow linear shear flow past a cylinder and a plane, 551
- DAVIS, E. JAMES & CHOI, C. K. Cellular convection with liquid-film flow, 565
- DAVIS, STEPHEN H. *See* LIU & DAVIS
- DEWEY, J. M., McMILLIN, D. J. & CLASSEN, D. F. Photogrammetry of spherical shocks reflected from real and ideal surfaces, 701
- DOPAZO, CÉSAR. On conditioned averages for intermittent turbulent flows, 433
- ELTAYEB, I. A. & MCKENZIE, J. F. Propagation of hydromagnetic planetary waves on a beta-plane through magnetic and velocity shear, 1
- GARG, VIJAY K. Effect of tube elasticity on the stability of Poiseuille flow, 625
- GRAHAM, J. A. H. *See* HARRIS, GRAHAM & CORRSIN
- GRUNDY, R. E. & McLAUGHLIN, R. The unsteady expansion of a gas into a non-uniform near vacuum, 775

- GUITTON, D. E. & NEWMAN, B. G. Self-preserving turbulent wall jets over convex surfaces, 155
 HARRIS, V. G., GRAHAM, J. A. H. & CORRSIN, S. Further experiments in nearly homogeneous turbulent shear flow, 657
 HEIDRICK, T. R., BANERJEE, S. & AZAD, R. S. Experiments on the structure of turbulence in fully developed pipe flow: interpretation of the measurements by a wave model, 137
 HLAVÁČEK, V. *See* HOLODNIOK, KUBÍČEK & HLAVÁČEK
 HOLODNIOK, M., KUBÍČEK, M. & HLAVÁČEK, V. Computation of the flow between two rotating coaxial disks, 689
 HOWE, M. S. & LIU, J. T. C. The generation of sound by vorticity waves in swirling duct flows, 369
 HUH, C. & MASON, S. G. The steady movement of a liquid meniscus in a capillary tube, 401
 JOSEPH, D. D. *See* BEAVERS & JOSEPH
 KIYA, MASARU & ARIE, MIKIO. An inviscid bluff-body wake model which includes the far-wake displacement effect, 593
 KOTSOVINOS, NIKOLAS E. Plane turbulent buoyant jets. Part 2. Turbulence structure, 45
 KOTSOVINOS, NIKOLAS E. & LIST, E. J. Plane turbulent buoyant jets. Part 1. Integral properties, 25
 KRAICHNAN, ROBERT H. Lagrangian velocity covariance in helical turbulence, 385
 KUBÍČEK, M. *See* HOLODNIOK, KUBÍČEK & HLAVÁČEK
 LEE, PETER H. Y. Doppler measurements of the effects of gravity waves on wind-generated ripples, 225
 LESIEUR, M. *See* ANDRÉ & LESIEUR
 LEWIS, J. A. The collapse of a viscous tube, 129
 LINDEN, P. F. & WEBER, J. E. The formation of layers in a double-diffusive system with a sloping boundary, 757
 LIST, E. J. *See* KOTSOVINOS & LIST
 LIU, AN-KUO & DAVIS, STEPHEN H. Viscous attenuation of mean drift in water waves, 63
 LIU, J. T. C. *See* HOWE & LIU
 MCKENZIE, J. F. *See* ELTAYEB & MCKENZIE
 McLAUGHLIN, R. *See* GRUNDY & McLAUGHLIN
 McMILLIN, D. J. *See* DEWEY, McMILLIN & CLASSEN
 MAJUMDAR, A. K. & SPALDING, D. BRIAN. Numerical computation of Taylor vortices, 295
 MASON, S. G. *See* HUH & MASON
 MAXWORTHY, T. Some experimental studies of vortex rings, 465
 MINTON, P. *See* CLAMEN & MINTON
 NEWMAN, B. G. *See* GUITTON & NEWMAN
 NIELD, D. A. Onset of convection in a fluid layer overlying a layer of a porous medium, 513
 O'NEILL, M. E. *See* DAVIS & O'NEILL
 PEDLEY, T. J. *See* WILD, PEDLEY & RILEY
 RIAHI, N. Upper-bound problem for a rotating system, 523
 RILEY, D. S. *See* WILD, PEDLEY & RILEY
 ROSE, HARVEY A. Eddy diffusivity, eddy noise and subgrid-scale modelling, 719
 RUSCHAK, K. J. & SCRIVEN, L. E. Developing flow on a vertical wall, 305
 SCHULZ, JAN C. *See* WHITE & SCHULZ
 SCRIVEN, L. E. *See* RUSCHAK & SCRIVEN
 SHEA, JOHN R. A chemical reaction in a turbulent jet, 317
 SORRELL, F. Y. & STURM, G. V. The interaction between capillary waves and a current and wave decay, 241

- SPALDING, D. BRIAN. *See* MAJUMDAR & SPALDING
- STURM, G. V. *See* SORRELL & STURM
- THOMPSON, D. W. *See* ACHIA & THOMPSON
- THOMPSON, RORY O. R. Y. *See* ANATI, ASSAF & THOMPSON
- WALKER, J. S. *See* CALDERON & WALKER
- WEBER, J. E. *See* LINDEN & WEBER
- WHITE, BRUCE R. & SCHULZ, JAN C. Magnus effect in saltation, 497
- WILD, ROSEMARY, PEDLEY, T. J. & RILEY, D. S. Viscous flow in collapsible tubes of slowly varying elliptical cross-section, 273
- WU, JIN. A note on the slope of a density interface between two stably stratified fluids under wind, 335

REVIEWS

- Proceedings of the Fourth International Conference on Wind Effects on Buildings and Structures, edited by K. J. Eaton, 399*
- Theory and Application of the Boltzmann Equation, by Carlo Cercigani, 793*