

## INDEX

- Ahlers, G., Cross, M. C., Hohenberg, P. C. & Safran, S.** The amplitude equation near the convective threshold: application to time-dependent heating experiments, 297–334
- Ayer, R. M.** *See* Lee & Ayer
- Blackwelder, R. F.** *See* Gad-el-Hak, Blackwelder & Riley
- Bradshaw, P.** *See* Chandrsuda & Bradshaw
- Chandrsuda, C. & Bradshaw, P.** Turbulence structure of a reattaching mixing layer, 171–194
- Charnay, G.** *See* Comte-Bellot, Charnay & Sabot
- Comte-Bellot, G., Charnay, G. & Sabot, J.** Hot-wire and hot-film anemometry and conditional measurements: A report on *Euromech* 132, 115–128
- Cramer, M. S.** The focusing of weak shock waves at an axisymmetric arête, 249–253
- Cross, M. C.** *See* Ahlers, Cross, Hohenberg & Safran
- Daniels, P. G.** *See* Smith & Daniels
- Dhanak, M. R.** Interaction between a vortex filament and an approaching rigid sphere, 129–148
- Dowden, J.** The stability of a periodically heated layer of fluid, 149–159
- Dudderar, T. D.** *See* Simpkins & Dudderar
- Gad-el-Hak, M., Blackwelder, R. F. & Riley, J. J.** On the growth of turbulent regions in laminary boundary layers, 73–96
- Garg, V. K.** Stability of developing flow in a pipe: non-axisymmetric disturbances, 209–216
- Hocks, W.** *See* Peters, Hocks & Mohiuddin
- Hogan, S. J.** Some effects of surface tension on steep water waves. Part 3, 381–410
- Hohenberg, P. C.** *See* Ahlers, Cross, Hohenberg & Safran
- Holyer, J. Y.** On the collective instability of salt fingers, 195–208
- Hughes, B. D., Pailthorpe, B. A. & White, L. R.** The translational and rotational drag on a cylinder moving in a membrane, 349–372
- Hussain, A. K. M. F. & Zaman, K. B. M. Q.** The ‘preferred mode’ of the axisymmetric jet 39–71
- Janowitz, G. S.** Stratified flow over a bounded obstacle in a channel of finite height, 161–170
- Jeffrey, D. J.** *See* Savage & Jeffrey
- Johnson, R. E.** Stokes flow past a sphere coated with a thin fluid film, 217–238
- Lee, J.-J. & Ayer, R. M.** Wave propagation over a rectangular trench, 335–347
- Lee, T. S.** Stability analysis of the Ortloff–Ives equation, 293–295
- Longuet-Higgins, M. S.** Trajectories of particles at the surface of steep solitary waves, 239–247
- Mohiuddin, G.** *See* Peters, Hocks & Mohiuddin
- Motallebi, F. & Norbury, J. F.** The effect of base bleed on vortex shedding and base pressure in compressible flow, 273–292
- Norbury, J. F.** *See* Motallebi & Norbury
- Pailthorpe, B. A.** *See* Hughes, Pailthorpe & White
- Peters, N., Hocks, W. & Mohiuddin, G.** Turbulent mean reaction rates in the limit of large activation energies, 411–432
- Riley, J. J.** *See* Gad-el-Hak, Blackwelder & Riley
- Sabot, J.** *See* Comte-Bellot, Charnay & Sabot
- Safran, S.** *See* Ahlers, Cross, Hohenberg & Safran
- Savage, S. B. & Jeffrey, D. J.** The stress tensor in a granular flow at high shear rates, 255–272

- Simpkins, P. G. & Dudderar, T. D.** Convection in rectangular cavities with differentially heated end walls, 433–456
- Smith, F. T. & Daniels, P. G.** Removal of Goldstein's singularity at separation, in flow past obstacles in wall layers, 1–37
- Smith, R.** Effect of non-uniform currents and depth variations upon steady discharges in shallow water, 373–380
- Sturm, T. W.** Laminar gravitational convection of heat in dead-end channels, 97–113
- Tatsumi, T. & Yanase, S.** The modified cumulant expansion for two-dimensional isotropic turbulence, 475–496
- Thomas, G. P.** Wave-current interactions: an experimental and numerical study. Part 1. Linear waves, 457–474
- White, L. R.** *See* Hughes, Pailthorpe & White
- Yanase, S.** *See* Tatsumi & Yanase
- Zaman, K. B. M. Q.** *See* Hussain & Zaman

## REVIEWS

- Geophysical Fluid Dynamics*, by Joseph Pedlosky, 497–499
- An Introduction to the Mathematical Theory of Geophysical Fluid Dynamics*, by Susan Friedlander 499–500
- Fluid Mechanics, A Concise Introduction to the Theory*, by Chia-Shun Yih, 500–502