Can barotropic tide–eddy interactions excite internal waves?
M.-P. Lelong & E. Kunze

Stationary ideal flow on a free surface of a given shape
L. Topøj & T. Bohr

Study of polygonal water bells: inertia-dominated thin-film flows over microtextured surfaces
E. Dressaire, L. Courtbin, A. Delancy, M. Roper & H. A. Stone

The emergence of localized vortex–wave interaction states in plane Couette flow
K. Deguchi, P. Hall & A. Walton

Rapid gravitational adjustment of horizontal shear flows
B. L. White & K. R. Helfrich

A multi-fidelity modelling approach for evaluation and optimization of wing stroke aerodynamics in flapping flight
L. Zheng, T. L. Hedrick & R. Mittal

Effect of turbulent fluctuations on the drag and lift forces on a towed sphere and its boundary layer
H. Homann, J. Bec & R. Grauer

Off-plane motion of a prolate capsule in shear flow
C. Dupont, A.-V. Salsac & D. Barthès-Biesel

Thermal boundary layer structure in turbulent Rayleigh–Bénard convection in a rectangular cell
Q. Zhou & K.-Q. Xia

Volume displacement effects during bubble entrainment in a travelling vortex ring
A. J. Chomski, J. R. Finn & S. V. Apte

Variable density and viscosity, miscible displacements in horizontal Hele-Shaw cells. Part 1. Linear stability analysis
L. Talon, N. Goyal & E. Meiburg

Variable density and viscosity, miscible displacements in horizontal Hele-Shaw cells. Part 2. Nonlinear simulations
M. O. John, R. M. Oliveira, F. H. C. Heussler & E. Meiburg

Contents continued on inside back cover.