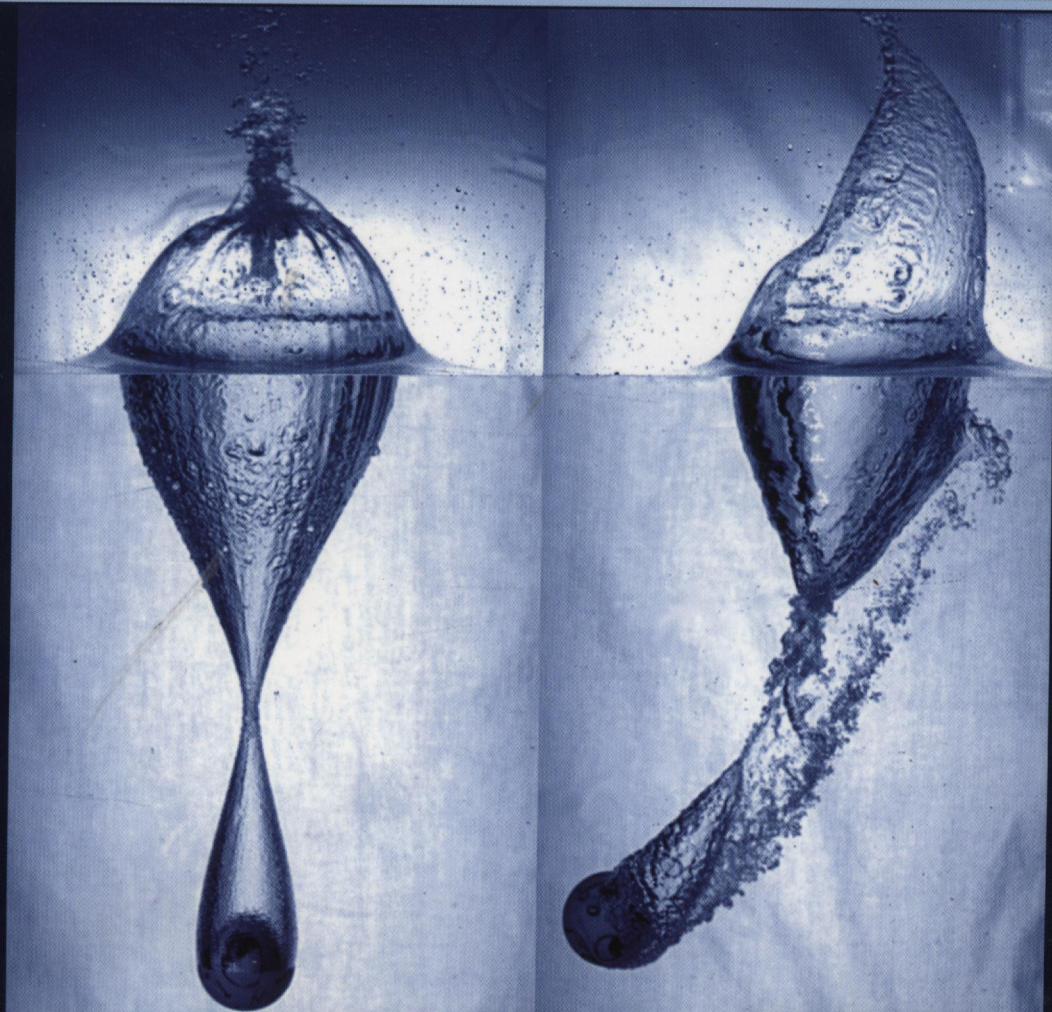


CAMBRIDGE
UNIVERSITY PRESS

25 Apr. 2009

Journal of Fluid Mechanics

VOLUME 625



- 1 A wave driver theory for vortical waves propagating across junctions with application to those between rigid and compliant walls
P. K. Sen, P. W. Carpenter, S. Hegde & C. Davies
- 47 Saltating particles in a turbulent boundary layer: experiment and theory
M. Creyssels, P. Dupont, A. Ould El Moctar, A. Valance, I. Cantat, J. T. Jenkins, J. M. Pasini & K. R. Rasmussen
- 75 Interacting oscillatory boundary layers and wall modes in modulated rotating convection
A. Rubio, J. M. Lopez & F. Marques
- 97 Effects of moderate Damköhler number on miscible viscous fingering involving viscosity decrease due to a chemical reaction
Y. Nagatsu, Y. Kondo, Y. Kato & Y. Tada
- 125 Estimating intermittency in three-dimensional Navier–Stokes turbulence
J. D. Gibbon
- 135 Water entry of spinning spheres
T. T. Truscott & A. H. Techet
- 167 The fluid trampoline: droplets bouncing on a soap film
T. Gilet & J. W. M. Bush
- 205 Transition to turbulence in the wake of a fixed sphere in mixed convection
M. Kotouč, G. Bouchet & J. Dušek
- 249 Flow patterns in the sedimentation of an elliptical particle
Z. Xia, K. W. Connington, S. Rapaka, P. Yue, J. J. Feng & S. Chen
- 273 Computational study of optical distortions by separated shear layers and turbulent wakes
A. Mani, P. Moin & M. Wang
- 299 Particle capture in binary solidification
J. C. T. Kao, A. A. Golovin & S. H. Davis
- 321 Linear and nonlinear processes in two-dimensional mixing layer dynamics and sound radiation
L. C. Cheung & S. K. Lele
- 353 Modelling carbon dioxide sequestration in layered strata
J. A. Neufeld & H. E. Huppert
- 371 Clusters of sedimenting high-Reynolds-number particles
W. B. Daniel, R. E. Ecke, G. Subramanian & D. L. Koch
- 387 Rayleigh–Taylor and Richtmyer–Meshkov instabilities of flat and curved interfaces
R. Krechetnikov
- 411 Frequency responses of streamwise-constant perturbations in channel flows of Oldroyd-B fluids
N. Hoda, M. R. Jovanović & S. Kumar
- 435 Pseudo-three-timescale approximation of exponentially modulated free-surface waves
M. A. Kelmanson
- 445 Hydrodynamic propulsion of human sperm
E. A. Gillies, R. M. Cannon, R. B. Green & A. A. Pacey
- 476 INDEX TO VOLUME 625