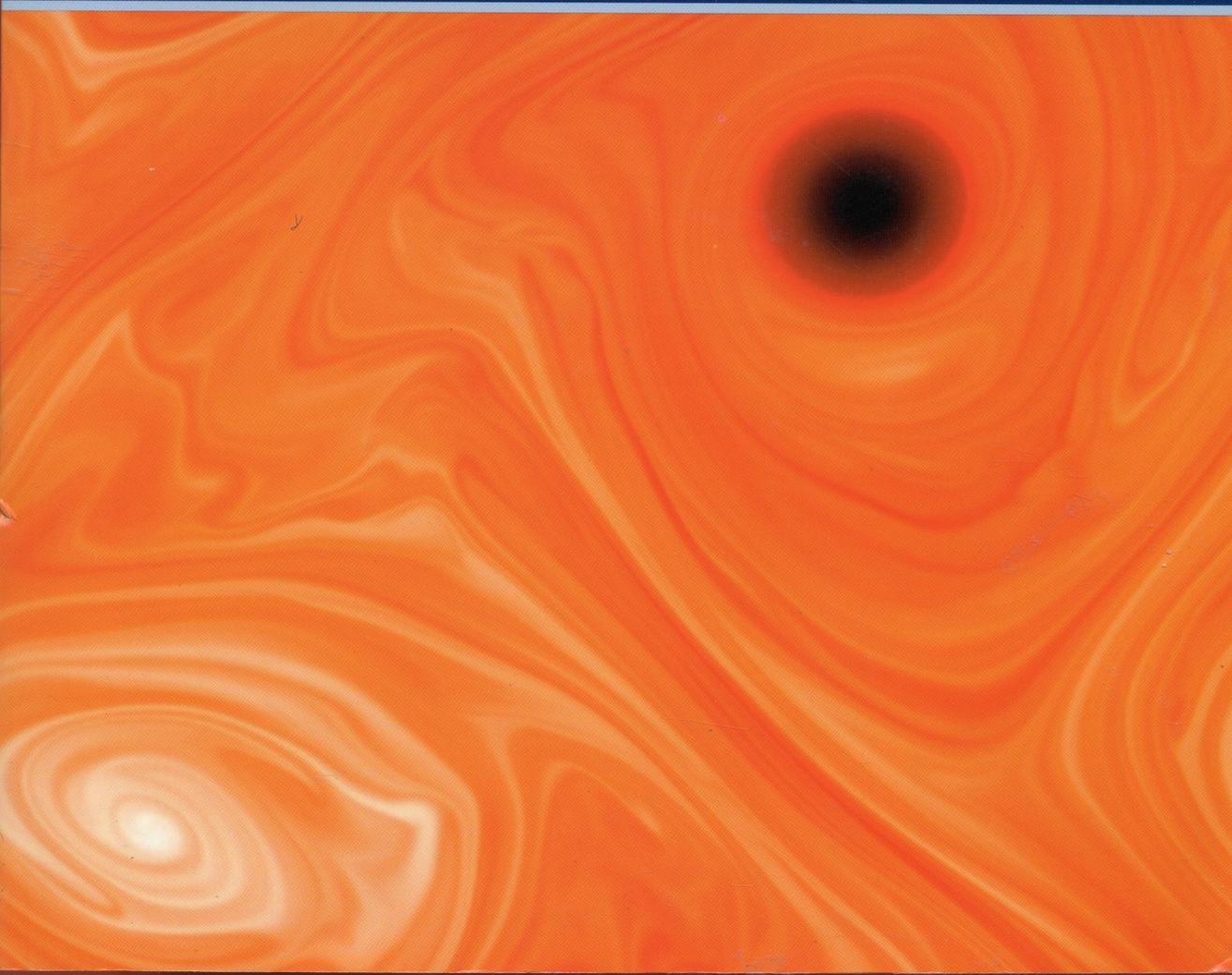


CAMBRIDGE
UNIVERSITY PRESS

25 April 2008

Journal of Fluid Mechanics

VOLUME 601



- 1 The pulsatile propagation of a finger of air within a fluid-occluded cylindrical tube
B. J. Smith & D. P. Gaver III
- 25 Shape optimization of a sheet swimming over a thin liquid layer
J. Wilkening & A. E. Hosoi
- 63 Effects of matrix viscoelasticity on viscous and viscoelastic drop deformation in a shear flow
N. Aggarwal & K. Sarkar
- 85 Growth of inertia-gravity waves in sheared inertial currents
K. B. Winters
- 101 Dynamo action in complex flows: the quick and the fast
S. M. Tobias & F. Cattaneo
- 123 Steady bubble rise and deformation in Newtonian and viscoplastic fluids and conditions for bubble entrapment
J. Tsamopoulos, Y. Dimakopoulos, N. Chatzidai, G. Karapetsas & M. Pavlidis
- 165 Receptivity of a hypersonic boundary layer over a flat plate with a porous coating
I. V. Egorov, A. V. Fedorov & V. G. Soudakov
- 189 A stationary circular hydraulic jump, the limits of its existence and its gasdynamic analogue
A. R. Kasimov
- 199 How rapidly oscillating collapsible tubes extract energy from a viscous mean flow
M. Heil & S. L. Waters
- 229 Flow across microvessel walls through the endothelial surface glycocalyx and the interendothelial cleft
M. Sugihara-Seki, T. Akinaga & T. Itano
- 253 Vapour bubble collapse in isothermal and non-isothermal liquids
B. Yang & A. Prosperetti
- 281 Measurements of the velocity field of a wing-tip vortex, wandering in grid turbulence
S. C. C. Bailey & S. Tavoularis
- 317 On the onset of low-Prandtl-number convection in rotating spherical shells: non-slip boundary conditions
M. Net, F. Garcia & J. Sánchez
- 339 Supercritical transition to turbulence in an inertially driven von Kármán closed flow
F. Ravelet, A. Chiffaudel & F. Daviaud
- 365 A physically motivated approach for filtering acoustic waves from the equations governing compressible stratified flow
D. R. Durran
- 381 Mode competition in modulated Taylor-Couette flow
M. Avila, M. J. Belisle, J. M. Lopez, F. Marques & W. S. Saric
- 407 Energy amplification in channel flows of viscoelastic fluids
N. Hoda, M. R. Jovanović & S. Kumar
- 425 Global frequency selection in the observed time-mean wakes of circular cylinders
M. Khor, J. Sheridan, M. C. Thompson & K. Hourigan
- 443 CORRIGENDUM
- 444 INDEX TO VOLUME 601