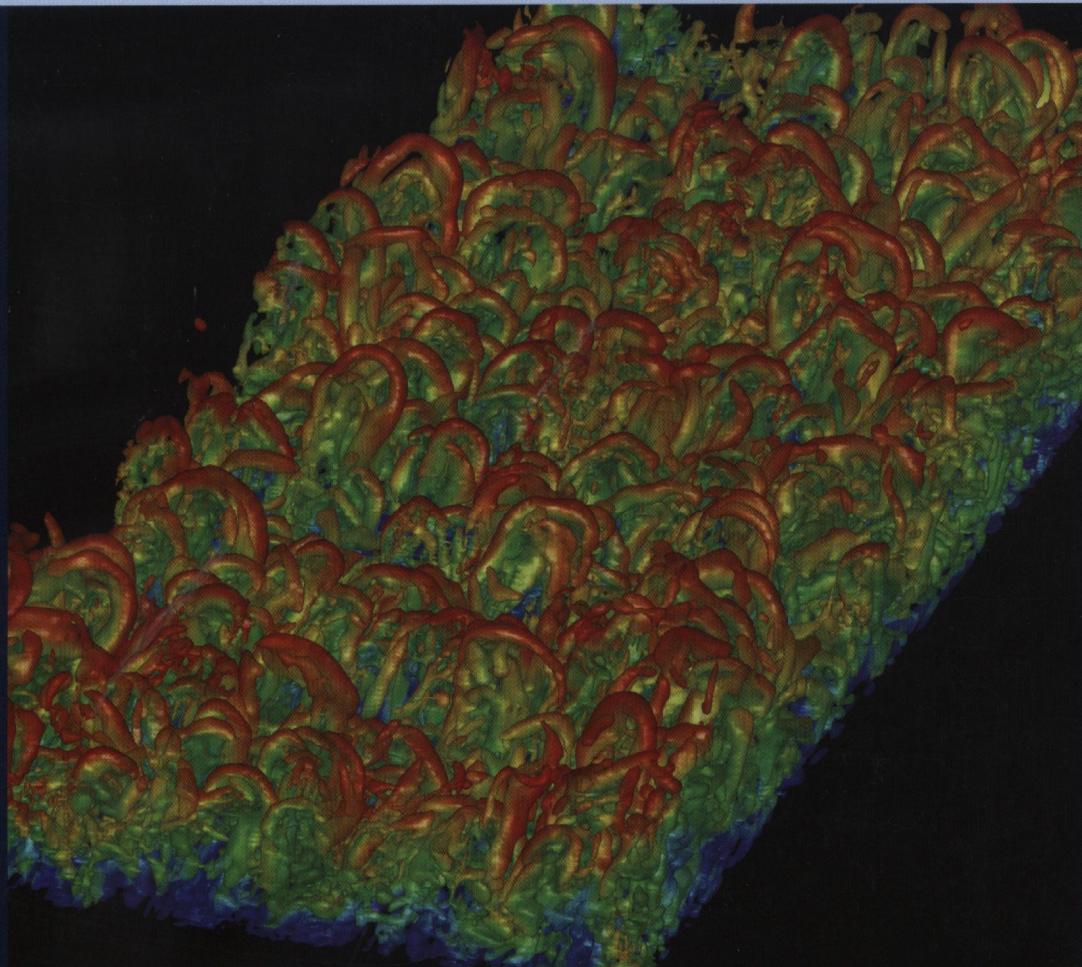


Journal of Fluid Mechanics

VOLUME 630

NEW – Focus on Fluids section inside, see page 1



FOCUS ON FLUIDS

- 1 Unravelling turbulence near walls
I. Marusic

PAPERS

- 5 Direct numerical simulation of turbulence in a nominally zero-pressure-gradient flat-plate boundary layer
X. Wu & P. Moin
- 43 Cylinders with square cross-section: wake instabilities with incidence angle variation
G. J. Sheard, M. J. Fitzgerald & K. Ryan
- 71 A numerical investigation of horizontal viscous gravity currents
Y. Hallez & J. Magnaudet
- 93 Coherent structures in canopy edge flow: a large-eddy simulation study
S. Dupont & Y. Brunet
- 129 Dynamics of laminar separation bubbles at low-Reynolds-number aerofoils
R. Hain, C. J. Kähler & R. Radespiel
- 155 Spreading of two-dimensional axisymmetric vortices exposed to a rotating strain field
M. R. Turner & A. D. Gilbert
- 179 Acceleration statistics of finite-sized particles in turbulent flow: the role of Faxén forces
E. Calzavarini, R. Volk, M. Bourgoin, E. Lévéque, J.-F. Pinton & F. Toschi
- 191 Dynamics of a stratified shear layer above a region of uniform stratification
H. T. Pham, S. Sarkar & K. A. Brucker
- 225 Response of supersonic turbulent boundary layers to local and global mechanical distortions
I. W. Ekoto, R. D. W. Bowersox, T. Beutner & L. Goss
- 267 Inhomogeneous distribution of a rigid fibre undergoing rectilinear flow between parallel walls at high Péclet numbers
J. Park & J. E. Butler
- 299 A model for the spreading and compaction of two-phase viscous gravity currents
C. Michaut & D. Bercovici
- 331 Effects of wall compliance on the linear stability of Taylor–Couette flow
A. Guaus, C. Airiau, A. Bottaro & A. Kourta
- 367 Oscillations of the large-scale circulation in turbulent Rayleigh–Bénard convection: the sloshing mode and its relationship with the torsional mode
Q. Zhou, H.-D. Xi, S.-Q. Zhou, C. Sun & K.-Q. Xia
- 391 Lagrangian drift near a wavy boundary in a viscous oscillating flow
E. Larrieu, E. J. Hinch & F. Charru
- 413 Large-eddy simulation of a mildly curved open-channel flow
W. van Balen, W. S. J. Uijttewaal & K. Blanckaert
- 443 CORRIGENDUM
- 444 INDEX TO VOLUME 630



Mixed Sources
 Product grown from well-managed forests and other controlled sources

Cert. no. SA-COC-1527
www.fsc.org
 © 1996 Forest Stewardship Council