

VOLUME 539

25 September 2005

Journal of Fluid Mechanics

CAMBRIDGE
UNIVERSITY PRESS

H. Fu & D. Rockwell	Shallow flow past a cylinder: control of the near wake	1
S. M. Churilov	Stability analysis of stratified shear flows with a monotonic velocity profile without inflection points	25
N. N. Romanova & S. Yu. Annenkov	Three-wave resonant interactions in unstable media	57
V. Magar & T. J. Pedley	Average nutrient uptake by a self-propelled unsteady squirmmer	93
P. N. Shankar	Moffatt eddies in the cone	113
J. S. Frederiksen & T. J. O'Kane	Inhomogeneous closure and statistical mechanics for Rossby wave turbulence over topography	137
R. Krechetnikov & I. I. Lipatov	On upstream influence in supersonic flows	167
F. Domenichini, G. Pedrizzetti & B. Baccani	Three-dimensional filling flow into a model left ventricle	179
O. Kitoh, K. Nakabyashi & F. Nishimura	Experimental study on mean velocity and turbulence characteristics of plane Couette flow: low-Reynolds-number effects and large longitudinal vortical structure	199
H. Segur, D. Henderson, J. Carter, J. Hammack, C.-M. Li, D. Pheiff & K. Socha	Stabilizing the Benjamin-Feir instability	229
C. S. Campbell	Stress-controlled elastic granular shear flows	273
F. Gürcan, A. Deliceoğlu & P. G. Bakker	Streamline topologies near a non-simple degenerate critical point close to a stationary wall using normal forms	299
O. Levin, V. G. Chernoray, L. Löfdahl & D. S. Henningson	A study of the Blasius wall jet	313
A. J. Hogg, M. A. Hallworth & H. E. Huppert	On gravity currents driven by constant fluxes of saline and particle-laden fluid in the presence of a uniform flow	349
W. Y. Jiang, B. T. Helenbrook, S. P. Lin & S. J. Weinstein	Low-Reynolds-number instabilities in three-layer flow down an inclined wall	387
A. Smillie, I. Sobey & Z. Molnar	A hydroelastic model of hydrocephalus	417
INDEX TO VOLUME 539		444

The Journal of Fluid Mechanics now accepts submissions via Manuscript Central
 Go to http://www.jfm.damtp.cam.ac.uk/online_submission.html as an author

