

VOLUME 515

25 September 2004

# Journal of Fluid Mechanics



**CAMBRIDGE**  
UNIVERSITY PRESS

<b>E. López-Pagés, C. Dopazo &amp; N. Fueyo</b>	Very-near-field dynamics in the injection of two-dimensional gas jets and thin liquid sheets between two parallel high-speed gas streams	1
<b>B. T. Tan, M. C. Thompson &amp; K. Hourigan</b>	Flow past rectangular cylinders: receptivity to transverse forcing	33
<b>G. W. Wake, G. N. Ivey, J. Imberger, N. R. McDonald &amp; R. Stocker</b>	Baroclinic geostrophic adjustment in a rotating circular basin	63
<b>S. Kurien, M. A. Taylor &amp; T. Matsumoto</b>	Isotropic third-order statistics in turbulence with helicity: the 2/15-law	87
<b>N. Peake &amp; E. J. Kerschen</b>	Influence of mean loading on noise generated by the interaction of gusts with a cascade: downstream radiation	99
<b>J. Le Sommer, G. M. Reznik &amp; V. Zeitlin</b>	Nonlinear geostrophic adjustment of long-wave disturbances in the shallow-water model on the equatorial beta-plane	135
<b>J.-P. Matas, J. F. Morris &amp; É. Guazzelli</b>	Inertial migration of rigid spherical particles in Poiseuille flow	171
<b>P. J. Dellar</b>	Quasi-two-dimensional liquid-metal magnetohydrodynamics and the anticipated vorticity method	197
<b>M.-H. Wu, C.-Y. Wen, R.-H. Yen, M.-C. Weng &amp; A.-B. Wang</b>	Experimental and numerical study of the separation angle for flow around a circular cylinder at low Reynolds number	233
<b>R. Zenit, Y. H. Tsang, D. L. Koch &amp; A. S. Sangani</b>	Shear flow of a suspension of bubbles rising in an inclined channel	261
<b>P. Yue, J. J. Feng, C. Liu &amp; J. Shen</b>	A diffuse-interface method for simulating two-phase flows of complex fluids	293
<b>A. Muschinski, R. G. Frehlich &amp; B. B. Balsley</b>	Small-scale and large-scale intermittency in the nocturnal boundary layer and the residual layer	319
<b>P. A. Blythe &amp; P. G. Simpkins</b>	Fibre coating: non-unique solutions at small capillary numbers	353
<b>I. Eames, J. C. R. Hunt &amp; S. E. Belcher</b>	Inviscid mean flow through and around groups of bodies	371
<b>B. Hof, A. Juel, L. Zhao, D. Henry, H. Ben Hadid &amp; T. Mullin</b>	On the onset of oscillatory convection in molten gallium	391
<b>M. H. Nielsen, L. Pratt &amp; K. Helfrich</b>	Mixing and entrainment in hydraulically driven stratified sill flows	415
<b>INDEX TO VOLUME 515</b>		444

