#### INDEX

Ancey, C. See Gray & Ancey

- Arthur, J. K., Ruth, D. W. & Tachie, M. F. PIV measurements of flow through a model porous medium with varying boundary conditions, 343–374
- Barros, R. See Choi, Barros & Jo

Blondeaux, P. See Van Oyen & Blondeaux

Bodenschatz, E. See Ouellette, Xu & Bodenschatz

Borggaard, J. T. See Hay, Borggaard & Pelletier

Casciola, C. M. See Gualtieri, Picano & Casciola

Choi, W., Barros, R. & Jo, T.-C. A regularized model for strongly nonlinear internal solitary waves, 73–85

Colonius, T. See Johnsen & Colonius

- Craster, R. V., Matar, O. K. & Papageorgiou, D. T. Breakup of surfactant-laden jets above the critical micelle concentration, 195–219
- Debiève, J. F. See Piponniau, Dussauge, Debiève & Dupont
- Derzho, O. & Grimshaw, R. On vorticity waves propagating in a waveguide formed by two critical layers, 161–171
- Diwan, S. S. & Ramesh, O. N. On the origin of the inflectional instability of a laminar separation bubble, 263–298
- Dupont, P. See Piponniau, Dussauge, Debiève & Dupont

Dussauge, J. P. See Piponniau, Dussauge, Debiève & Dupont

- Felderhof, B. U. Flow of a viscous incompressible fluid after a sudden point impulse near a wall, 425–443
- Gray, J. M. N. T. & Ancey, C. Segregation, recirculation and deposition of coarse particles near two-dimensional avalanche fronts, 387–423
- Grimshaw, R. See Derzho & Grimshaw
- Gualtieri, P., Picano, F. & Casciola, C. M. Anisotropic clustering of inertial particles in homogeneous shear flow, 25–39
- Hay, A., Borggaard, J. T. & Pelletier, D. Local improvements to reduced-order models using sensitivity analysis of the proper orthogonal decomposition, 41–72
- Heaton, C. J., Nichols, J. W. & Schmid, P. J. Global linear stability of the non-parallel Batchelor vortex, 139–160
- Jellinek, A. M. & Lenardic, A. Effects of spatially varying roof cooling on thermal convection at high Rayleigh number in a fluid with a strongly temperature-dependent viscosity, 109–138

Jo, T.-C. See Choi, Barros & Jo

Johnsen, E. & Colonius, T. Numerical simulations of non-spherical bubble collapse, 231-262

Johnson, E. R. See Page & Johnson

Komori, S. See Sugioka & Komori

Lenardic, A. See Jellinek & Lenardic

Li, F. See Si, Li, Yin & Yin

Matar, O. K. See Craster, Matar & Papageorgiou

Nichols, J. W. See Heaton, Nichols & Schmid

Ouellette, N. T., Xu, H. & Bodenschatz, E. Bulk turbulence in dilute polymer solutions, 375-385

Van Oyen, T. & Blondeaux, P. Grain sorting effects on the formation of tidal sand waves, 311-342

Page, M. A. & Johnson, E. R. Steady nonlinear diffusion-driven flow, 299-309

Papageorgiou, D. T. See Craster, Matar & Papageorgiou

Pelletier, D. See Hay, Borggaard & Pelletier

Picano, F. See Gualtieri, Picano & Casciola

Piponniau, S., Dussauge, J. P., Debiève, J. F. & Dupont, P. A simple model for low-frequency unsteadiness in shock-induced separation, 87–108

Ramesh, O. N. See Diwan & Ramesh

Ruth, D. W. See Arthur, Ruth & Tachie

Schmid, P. J. See Heaton, Nichols & Schmid

- Si, T., Li, F., Yin, X.-Y. & Yin, X.-Z. Modes in flow focusing and instability of coaxial liquid-gas jets, 1–23
- Sugioka, K.-I. & Komori, S. Drag and lift forces acting on a spherical gas bubble in homogeneous shear liquid flow, 173–193

Tachie, M. F. See Arthur, Ruth & Tachie

- Winters, K. B. & Young, W. R. Available potential energy and buoyancy variance in horizontal convection, 221–230
- Xu, H. See Ouellette, Xu & Bodenschatz

Yin, X.-Y. See Si, Li, Yin & Yin

Yin, X.-Z. See Si, Li, Yin & Yin

Young, W. R. See Winters & Young

#### CAMBRIDGE

### Fantastic New and Forthcoming Titles from Cambridge!



# 629

ISSN 0022-1120

## Journal of Fluid Mechanics

1	Modes in flow focusing and instability of coaxial liquid–gas jets T. Si, F. Li, XY. Yin & XZ. Yin
25	Anisotropic clustering of inertial particles in homogeneous shear flow P. Gualtieri, F. Picano & C. M. Casciola
41	Local improvements to reduced-order models using sensitivity analysis of the proper orthogonal decomposition A. Hay, J. T. Borggaard & D. Pelletier
73	A regularized model for strongly nonlinear internal solitary waves W. Choi, R. Barros & TC. Jo
87	A simple model for low-frequency unsteadiness in shock-induced separation S. Piponniau, J. P. Dussauge, J. F. Debiève & P. Dupont
109	Effects of spatially varying roof cooling on thermal convection at high Rayleigh number in a fluid with a strongly temperature-dependent viscosity <b>A. M. Jellinek &amp; A. Lenardic</b>
139	Global linear stability of the non-parallel Batchelor vortex C. J. Heaton, J. W. Nichols & P. J. Schmid
161	On vorticity waves propagating in a waveguide formed by two critical layers <b>O. Derzho &amp; R. Grimshaw</b>
173	Drag and lift forces acting on a spherical gas bubble in homogeneous shear liquid flow <b>KI. Sugioka &amp; S. Komori</b>
195	Breakup of surfactant-laden jets above the critical micelle concentration R. V. Craster, O. K. Matar & D. T. Papageorgiou
221	Available potential energy and buoyancy variance in horizontal convection <b>K. B. Winters &amp; W. R. Young</b>
231	Numerical simulations of non-spherical bubble collapse E. Johnsen & T. Colonius
263	On the origin of the inflectional instability of a laminar separation bubble <b>S. S. Diwan &amp; O. N. Ramesh</b>
299	Steady nonlinear diffusion-driven flow M. A. Page & E. R. Johnson
311	Grain sorting effects on the formation of tidal sand waves T. Van Oyen & P. Blondeaux
343	PIV measurements of flow through a model porous medium with varying boundary conditions J. K. Arthur, D. W. Ruth & M. F. Tachie
375	Bulk turbulence in dilute polymer solutions N. T. Ouellette, H. Xu & E. Bodenschatz
387	Segregation, recirculation and deposition of coarse particles near two-dimensional avalanche fronts J. M. N. T. Gray & C. Ancey
425	Flow of a viscous incompressible fluid after a sudden point impulse near a wall <b>B. U. Felderhof</b>

444 INDEX TO VOLUME 629

Cambridge Journals Online For further information about this journal please go to the journal web site at journals.cambridge.org/flm



