

JM
J80/f

CAMBRIDGE
UNIVERSITY PRESS

25 December 2014

Journal of Fluid Mechanics

VOLUME 761



- 1 Exploring the phase diagram of fully turbulent Taylor–Couette flow
**R. Ostilla-Mónico, E. P. van der Poel,
R. Verzicco, S. Grossmann & D. Lohse**
- 27 Secondary instability and tertiary states in rotating plane Couette flow
**C. A. Daly, T. M. Schneider, P. Schlatter &
N. Peake**
- 62 Linear stability of boundary layers under solitary waves
J. C. G. Verschaeve & G. K. Pedersen
- 105 Multiple states for flow through a collapsible tube with discontinuities
A. Siviglia & M. Toffolon
- 123 Nonlinear instability and convection in a vertically vibrated granular bed
**P. Shukla, I. H. Ansari, D. van der Meer,
D. Lohse & M. Alam**
- 168 Why, how and when MHD turbulence at low Rm becomes three-dimensional
A. Pothérat & R. Klein
- S 206 Liquid jet eruption from hollow relaxation
É. Ghabache, T. Séon & A. Antkowiak
- 220 Forced dynamics of a short viscous liquid bridge
L. Vincent, L. Duchemin & S. Le Dizès
- 241 Numerical simulation of turbulent flow through Schiller's wavy pipe
**G. Daschiel, V. Krieger, J. Jovanović &
A. Delgado**
- S 261 Sequential deposition of overlapping droplets to form a liquid line
**A. B. Thompson, C. R. Tipton, A. Juel,
A. L. Hazel & M. Dowling**
- 282 A model for internal bores in continuous stratification
B. L. White & K. R. Helfrich
- 305 Fluid ratcheting by oscillating channel walls with sawteeth
J. Yu
- 329 Steady streaming of a viscoelastic fluid within a periodically rotating sphere
R. Repetto, J. H. Siggers & J. Meskauskas
- 348 Streamwise and doubly-localised periodic orbits in plane Poiseuille flow
S. Zammert & B. Eckhardt
- 360 The dynamics of breaking internal solitary waves on slopes
R. S. Arthur & O. B. Fringer
- 399 Nonlinear self-excited thermoacoustic oscillations of a ducted premixed flame: bifurcations and routes to chaos
K. Kashinath, I. C. Waugh & M. P. Juniper
- 431 Weak-strong clustering transition in renewing compressible flows
A. Dhanagare, S. Musacchio & D. Vincenzi
- S 443 Spontaneous generation of a swirling plume in a stratified ambient
F. Marques & J. M. Lopez
- 464 Bubble entrainment and liquid–bubble interaction under unsteady breaking waves
M. Derakhti & J. T. Kirby

Contents continued on inside back cover.

JFM Rapids (online only)

R1 Emergence of dispersion in shallow water hydrodynamics via modulation of uniform flow

T. J. Bridges

R2 Analogous formulation of electrodynamics and two-dimensional fluid dynamics

R. Salmon

S indicates supplementary data or movies available online.