## ISSN 0022-1120

**67**7

## Journal of Fluid Mechanics

1	Evolution and instability of unsteady nonlinear streaks generated by free-stream vortical disturbances P. Ricco, J. Luo & X. Wu
39	Experimental studies of surface waves inside a cylindrical container C. Lee, H. Peng, H. Yuan, J. Wu, M. Zhou & F. Hussain
63	Feedback control of three-dimensional optimal disturbances using reduced-order models O. Semeraro, S. Bagheri, L. Brandt & D. S. Henningson
103	A turbulent patch arising from a breaking internal wave S. N. Yakovenko, T. G. Thomas & I. P. Castro
134	Critical balance in magnetohydrodynamic, rotating and stratified turbulence: towards a universal scaling conjecture S. V. Nazarenko & A. A. Schekochihin
154	Columnar eddy formation in freely decaying homogeneous rotating turbulence K. Yoshimatsu, M. Midorikawa & Y. Kaneda
179	New perspectives on the impulsive roughness-perturbation of a turbulent boundary layer I. Jacobi & B. J. McKeon
204	Small amplitude shape oscillations of a spherical liquid drop with surface viscosity D. V. Lyubimov, V. V. Konovalov, T. P. Lyubimova & I. Egry
218	Fluxes across double-diffusive interfaces: a one-dimensional-turbulence study E. Gonzalez-Juez, A. R. Kerstein & D. O. Lignell
255	Flexibility effects on vortex formation of translating plates D. Kim & M. Gharib
S 272	Dynamics of high-Deborah-number entry flows: a numerical study A. M. Afonso, P. J. Oliveira, F. T. Pinho & M. A. Alves
305	The collapse of single bubbles and approximation of the far-field acoustic emissions for cavitation induced by shock wave lithotripsy A. R. Jamaluddin, G. J. Ball, C. K. Turangan & T. G. Leighton
342	Vortex-induced vibrations of a long flexible cylinder in shear flow R. Bourguet, G. E. Karniadakis & M. S. Triantafyllou
383	Experiments on the elliptic instability in vortex pairs with axial core flow C. Roy, T. Leweke, M. C. Thompson & K. Hourigan
417	Effects of radiative heat transfer on the structure of turbulent supersonic channel flow S. Ghosh, R. Friedrich, M. Pfitzner, C. Stemmer, B. Cuenot & M. El Hafi
445	Polar confinement of the Sun's interior magnetic field by laminar magnetostrophic flow T. S. Wood & M. E. McIntyre
483	Numerical study of flow fields in an airway closure model CF. Tai, S. Bian, D. Halpern, Y. Zheng, M. Filoche & J. B. Grotberg
503	Channel and shoal development in a short tidal embayment: an idealized model study M. C. ter Brake & H. M. Schuttelaars
530	Dynamics of fingering convection. Part 1 Small-scale fluxes and large-scale instabilities
	A. Traxler, S. Stellmach, P. Garaud, T. Radko & N. Brummell
\$ 554	Dynamics of fingering convection. Part 2 The formation of thermohaline staircases S. Stellmach, A. Traxler, P. Garaud, N. Brummell & T. Radko
572	Quasi-three dimensional analysis of global instabilities: onset of vortex shedding behind a wavy cylinder A. Garbaruk & J. D. Crouch
500	The day devices in the second of a scillate we

589 Hydrodynamically coupled oscillators R. Tiron, E. Kanso & P. K. Newton

S indicates supplementary data or movies available online.

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



