CAMBRIDGE

JOURNALS

JFM ARCHIVE



Journal of Fluid Mechanics Digital Archive 1956–1996

Vital research from the definitive source

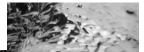
The JFM Digital Archive contains every article from the first 40 years of the journal, scanned and digitised to the highest standards.

Please speak to your librarian about gaining access.

journals.cambridge.org/jfm

CAMBRIDGE

JOURNALS



JFM RAPIDS

- Faster publication
- Greater visibility for papers
- Freely available to all for the first year

For more information visit **journals.cambridge.org/rapids**



JFM FAST

EVOLVED

TRACK HAS

- 535 The spreading and stability of a surfactant-laden drop on an inclined prewetted substrateJ. V. Goddard & S. Naire
- 569 On viscous film flows coating the interior of a tube: thin-film and long-wave modelsR. Camassa & H. R. Ogrosky
- S 600 Sedimentation of spheroidal bodies near walls in viscous fluids: glancing, reversing, tumbling and sliding
 W. H. Mitchell & S. E. Spagnolie
 - 630 The diameters and velocities of the droplets ejected after splashingG. Riboux & J. M. Gordillo
 - 649 Diffraction and radiation loads on open cylinders of thin and arbitrary shapesM. Hariri Nokob & R. W. Yeung

JFM Rapids (online only)

- S R1 On damping of two-dimensional piston-mode sloshing in a rectangular moonpool under forced heave motions
 O. M. Faltinsen & A. N. Timokha
- S indicates supplementary data or movies available online.

- 678 Turbulent pair dispersion as a ballistic cascade phenomenologyM. Bourgoin
- 705 Evaporation of sessile drops: a three-dimensional approach
 P. J. Sáenz, K. Sefiane, J. Kim,
 O. K. Matar & P. Valluri
- 740 Equilibrium similarity solution of the turbulent transport equation along the centreline of a round jet
 H. Sadeghi, P. Lavoie & A. Pollard
- 756 Amplitude and frequency modulation of the small scales in a jet
 D. Fiscaletti, B. Ganapathisubramani & G. E. Elsinga
- 784 Landslide tsunamis in lakes L.-A. Couston, C. C. Mei & M.-R. Alam
- S R2 Numerical simulation of supersquare patterns in Faraday waves
 L. Kahouadji, N. Périnet, L. S. Tuckerman, S. Shin, J. Chergui & D. Juric

ISSN 0022-1120

Journal of Fluid Mechanics

1 Disks aligned in a turbulent channel G. A. Voth

72

- 5 Plume emission statistics in turbulent Rayleigh–Bénard convection
 E. P. van der Poel, R. Verzicco,
 S. Grossmann & D. Lohse
- 16 Enhanced effects from tiny flexible in-wall blips and shear flow
 L. Pruessner & F. Smith
- 42 The effect of shear flow on the rotational diffusion of a single axisymmetric particleB. D. Leahy, D. L. Koch & I. Cohen
- 80 Cyclone–anticyclone asymmetry in gravity wave radiation from a co-rotating vortex pair in rotating shallow water
 N. Sugimoto, K. Ishioka, H. Kobayashi & Y. Shimomura
- 107 On the distinguished limits of the Navier slip model of the moving contact line problemW. Ren, P. H. Trinh & W. E
- 127 A direct numerical simulation study of interface propagation in homogeneous turbulence R. Yu, X.-S. Bai & A. N. Lipatnikov
- 165 Second-order Lagrangian description of tri-dimensional gravity wave interactions
 F. Nouguier, B. Chapron & C.-A. Guérin
- 197 Structure and stability of steady porous medium convection at large Rayleigh numberB. Wen, L. T. Corson & G. P. Chini
- 225 Combustion noise is scale-free: transition from scale-free to order at the onset of thermoacoustic instabilityM. Murugesan & R. I. Sujith

Contents continued on inside back cover.

- 246 On the formation of axial corner vortices during spin-up in a cylinder of square cross-section
 R. J. Munro, R. E. Hewitt & M. R. Foster
- 272 Conservation law modelling of entrainment in layered hydrostatic flowsP. A. Milewski & E. G. Tabak
- 295 Investigation of subgrid-scale physics in the convective atmospheric surface layer using the budgets of the conditional mean subgrid-scale stress and temperature flux K. X. Nguyen & C. Tong
- 330 The effect of a low-viscosity near-wall film on bypass transition in boundary layersS. Y. Jung & T. A. Zaki
- 361 Effect of external turbulence on the evolution of a wake in stratified and unstratified environmentsA. Pal & S. Sarkar
- 386 The mixing region in freely decaying variable-density turbulenceP. Movahed & E. Johnsen
- S 427 Exploring droplet impact near a millimetre-sized hole: comparing a closed pit with an open-ended pore
 R. de Jong, O. R. Enríquez &
 D. van der Meer
 - 445 Effect of a mesh on boundary layer transitions induced by free-stream turbulence and an isolated roughness elementP. Phani Kumar, A. C. Mandal & J. Dev
 - 478 On the transport of heavy particles through an upward displacement-ventilated spaceN. Mingotti & A. W. Woods
 - 508 The spontaneous generation of inertia–gravity waves during frontogenesis forced by large strain: numerical solutions
 C. J. Shakespeare & J. R. Taylor

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



MIX Paper from responsible sources FSC® C007785

