# **JOURNALS**

# JFM ARCHIVE

# **Journal of Fluid Mechanics**

Digital Archive 1956–1996



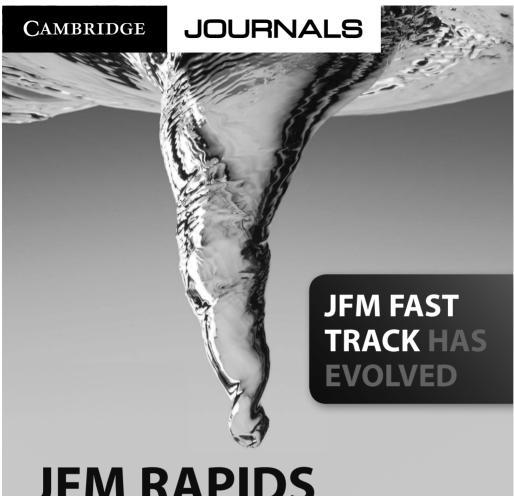
Vital research from the definitive source

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





# **JFM RAPIDS**

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

For more information visit

journals.cambridge.org/rapids



# https://doi.org/10.1017/jfm.2013.368 Published online by Cambridge University Press

### JFM Rapids (online only)

- R1 Dynamics and flow coupling in two-layer turbulent thermal convection
  - Y.-C. Xie & K.-Q. Xia
- R2 Bi-stability of a pendular disk in laminar and turbulent flows
  - M. Obligado, M. Puy & M. Bourgoin
- R3 Resonance characteristics of tides in branching channels
  N. C. Alebregtse, H. E. de Swart &
  H. M. Schuttelaars

 ${\it S}$  indicates supplementary data or movies available online.

- S R4 Universal mechanism for saturation of vorticity growth in fully developed fluid turbulence
  - C. Thantanapally, D. V. Patil, S. Succi & S. Ansumali
  - R5 Spontaneous generation of inertial waves from boundary turbulence in a librating sphere
    A. Sauret, D. Cébron & M. Le Bars

## Journal of Fluid Mechanics

- 1 Modelling rollers for shallow water flows **O. Thual**
- S 5 An experimental and theoretical study of the dynamics of grounding lines
  - S. S. Pegler & M. G. Worster
- 29 Secondary instability of the stably stratified Ekman layer N. Mkhinini, T. Dubos & P. Drobinski
- 58 Vortex formation and vortex breakup in a laminar separation bubble
  - O. Marxen, M. Lang & U. Rist
- 91 The rhythm of fountains: the length and time scales of rise height fluctuations at low and high Froude numbers H. C. Burridge & G. R. Hunt
- 120 A study of singular modes associated with over-reflection and related phenomena S. A. Maslowe & R. J. Spiteri
- 146 Computation of coupled double-diffusive convection–radiation including lattice Boltzmann simulation of fluid flow
  - F. Moufekkir, M. A. Moussaoui, A. Mezrhab & H. Naji
- 163 Solution of the flow over a non-uniform heavily loaded ducted actuator disk
  - R. Bontempo & M. Manna
- 196 On coherent structure in wall turbulence A. S. Sharma & B. J. McKeon
- 239 Convective diffusive mixing in concentration polarization: from Taylor dispersion to surface convection
  - I. Rubinstein & B. Zaltzman

Contents continued on inside back cover.

- 279 Three-dimensional buoyancy-driven flow along a fractured boundary
  - A. Farcas & A. W. Woods
- 306 Conditional sampling of transitional boundary layers in pressure gradients
  - K. P. Nolan & T. A. Zaki
- 340 Two-dimensional vortex structures in the bottom boundary layer of progressive and solitary waves P. Scandura
- 362 Direct numerical evidence of stress-induced cavitation G. Falcucci, E. Jannelli, S. Ubertini & S. Succi
- Logarithmic scaling of turbulence in smooth- and rough-wall pipe flow
  M. Hultmark, M. Vallikivi, S. C. C. Bailey & A. J. Smits
- 396 Identification of Lagrangian coherent structures in a turbulent boundary layer
  Z. D. Wilson, M. Tutkun & R. B. Cal
  - Z. D. Wilson, M. Tutkun & R. B. Car
- 417 Vortex-corner interactions in a cavity shear layer elucidated by time-resolved measurements of the pressure field X. Liu & J. Katz
- 458 Axisymmetric propagating vortices in centrifugally stable Taylor–Couette flow
  C. Hoffmann, S. Altmeyer, M. Heise, J. Abshagen & G. Pfister
- S 471 Coalescence of drops with mobile interfaces in a quiescent fluid M. B. Nemer, P. Santoro, X. Chen, J. Bławzdziewicz

& M. Loewenberg

