Journal of Fluid Mechanics – list of keywords

Acoustics Moist convection

Aeroacoustics Plumes/thermals
Hydrodynamic noise Convection in porous media

Jet noise Taylor–Couette flow

Noise control **Drops and Bubbles**

Waves in random media

Aerosols/atomization

Aerodynamics Boiling

Flow-structure interactions

Breakup/coalescence

High-speed flow Bubble dynamics
Biological Fluid Dynamics Cavitation

Bioconvection Drops

Biomedical flows Electrohydrodynamic effects

Blood flow Sonoluminescence Capsule/cell dynamics Thermocapillarity

Flow-vessel interactions Flow Control

MembranesControl theoryMicro-organism dynamicsDrag reduction

Peristaltic pumping Instability control
Propulsion Mixing enhancement

Pulmonary fluid mechanics Geophysical and Geological Flows

Swimming/flying Air/sea interactions

Boundary Layers

Boundary layer control

Free shear layers

Atmospheric flows
Baroclinic flows
Coastal engineering

Pipe flow boundary layer Geodynamo

Boundary layer receptivity

Boundary layer separation

Gravity currents

Hall 18

Boundary layer stability Hydraulic control

Boundary layer structure Ice sheets
Complex Fluids Internal waves

Colloids Magma and lava flow
Dielectrics Mantle convection

Emulsions Meteorology
Foams Mixing and dispersion

Granular media Ocean circulation
Liquid crystals Ocean processes

Quantum fluids Quasi-geostrophic flows

Suspensions River dynamics
Compressible Flows Rotating flows
Compressible boundary layers Sediment transport

Detonation waves Sea ice

Gas dynamics Shallow water flows
Shock waves Stratified flows
Convection Topographic effects

Bénard convection Waves in rotating fluids

Buoyant boundary layers Instability
Convection in cavities Absolute/convective instability

Double diffusive convection

Buoyancy-driven instability

Marangoni convection

Nonlinear instability

Parametric instability

Transition to turbulence

CAMBRIDGE **JOURNALS**

Interfacial Flows (free surface)

Capillary flows

Contact lines

Fingering instability

Liquid bridges

Thin films

Low-Reynolds-number flows

Lubrication theory

Boundary integral methods

Hele-Shaw flows

Porous media

Slender-body theory

Stokesian dynamics

Materials Processing Flows

Coating

Magnetohydrodynamics

Microelectronics

Polymer processing

Mathematical Foundations

Computational methods

General fluid mechanics

Hamiltonian theory

Navier-Stokes equations

Topological fluid dynamics

Variational methods

MHD and Electrohydrodynamics

Dynamo theory

High-Hartmann-number flows

Magnetic fluids

Magneto convection

MHD turbulence

Plasmas

Micro-/Nano-fluid dynamics

MEMS/NEMS

Microfluidics

Non-continuum effects

Mixing

Chaotic advection

Granular mixing

Turbulent mixing

Multiphase and Particle-laden Flows

Alluvial dynamics

Core-annular flow

Fluidized beds

Gas/liquid flow

Multiphase flow Particle/fluid flow

Reacting multiphase flow

Non-Newtonian Flows

Plastic materials

Polymers

Rheology

Viscoelasticity

Nonlinear Dynamical Systems

Bifurcation

Chaos

Fractals

Low-dimensional models

Pattern formation

Phase change

Condensation/evaporation

Icing

Morphological instability

Solidification/melting

Rarefied Gas Flow

Kinetic theory

Molecular dynamics

Reacting Flows

Combustion

Detonations

Flames

Laminar reacting flows

Turbulent reacting flows

Turbulent Flows

Turbulent boundary layers

Compressible turbulence

Turbulence control

Turbulent convection

Shear layer turbulence

Homogeneous turbulence

Intermittency

Isotropic turbulence

Turbulence modelling

Rotating turbulence

Turbulence simulation

Stratified turbulence

Turbulence theory

Turbulent transition

Wave--turbulence interactions

Vortex Flows

Vortex breakdown

Contour dynamics

Vortex dynamics

Vortex instability

Vortex interactions

Vortex shedding

CAMBRIDGE JOURNALS

Wakes/Jets

Jets

Separated flows

Shear layers

Vortex streets

Wakes

Waves/Free-surface Flows

Capillary waves

Channel flow

Critical layers

Elastic waves

Faraday waves

Hydraulics

Wave scattering

Shear waves

Solitary waves

Surface gravity waves

Wave breaking

Wave-structure interactions

Wind-wave interactions