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- Bluff body wakes** – Wake states and response branches of forced and freely oscillating cylinders, 89 – Asymmetric structure and nonlinear transition behaviour of the wakes of toroidal bodies, 167
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- Buoyancy** – Instabilities, entrainment and mixing in reacting plumes, 443

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- Direct numerical simulation** – Instabilities, entrainment and mixing in reacting plumes, 443
- Dissolution process** – Mixed buoyant-Marangoni convection due to dissolution of a droplet in a liquid-liquid system with miscibility gap, 781

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- Electromagnetic flow control** – Control of separated flows by time periodic Lorentz forces, 835
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- Knudsen number** – Plane Couette flow of binary gaseous mixture in the whole range of the Knudsen number, 899

L

- Landau and Ginzburg-Landau models** – From the double vortex street behind a cylinder to the wake of a sphere, 65 – Asymmetric structure and non-linear transition behaviour of the wakes of toroidal bodies, 167
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Low frequency unsteadiness – Predicted low frequency structures in the wake of elliptical cylinders, 229

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Miscibility gap – Mixed buoyant-Marangoni convection due to dissolution of a droplet in a liquid–liquid system with miscibility gap, 781

Mixing – Instabilities, entrainment and mixing in reacting plumes, 443

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Oscillating circular cylinder – Numerical simulations of VIV on long flexible cylinders immersed

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Passive scalars – Regeneration mechanism of streaks in near-wall quasi-2D turbulence, 727

Periodic excitation – Control of separated flows by time periodic Lorentz forces, 835

Permeable surface – The algebraically decaying wall jet, 601

PID controller – Closed-loop control of fluid–structure interactions on a flexibly supported cylinder, 189

Polynomial chaos – Predictability and uncertainty in flow–structure interactions, 41

Prandtl – The flow induced by Prandtl’s self-similar vortex sheet spirals at infinite distance from the spiral kernel, 607

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Quasi-2D forced turbulence – Regeneration mechanism of streaks in near-wall quasi-2D turbulence, 727

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Rarefied gases – Plane Couette flow of binary gaseous mixture in the whole range of the Knudsen number, 899

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Ripples – Dynamical evolution of ripples in a wave channel, 695

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Spiral – The flow induced by Prandtl’s self-similar vortex sheet spirals at infinite distance from the spiral kernel, 607

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Suction – The algebraically decaying wall jet, 601

Superfluid – Turbulent dissipation near absolute zero, 415

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Symmetry breaking – Two-dimensional Floquet stability analysis of the flow produced by an oscillating circular cylinder in quiescent fluid, 99

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