

Keyword index to volume 20

- Air injector, 598
Air jet, 574
Air lift pump, 598
Annular-droplet flow, 422
Apex angle, 405
Aspect ratio, 624
Axisymmetric, 395
Bifurcation diagram, 563
Bluff body shape, 402
Boundary conditions, 222
Breakup modes, 513
Buoyant convection, 222
Cap-bubbly flow, 422
Cavity, 446, 605
Cavity flow, 172
Cellular flame, 649
CFD, 520, 581
Channel flow, 196
Chemical vapor deposition, 74
Cleaning, 605
Collocation, 74
Concentric truncated cones, 405
Condensation, 642
Conductive partition, 614
Convection, 68
Counter-rotating disks, 208
Cubic enclosure, 614
2-D design, 437
Defect correction, 414
Dehumidification, 642
Density inversion, 624
Developing heat transfer, 149
Diesel fuel spray, 545
Diffusion, 68
Direct numerical simulation, 187, 208, 222
Dissimilarity, 290
DNS, 196
Drop size, 545
Droplet-trajectories, 520
Duct, 605
Early flow transition, 142
Eddy-viscosity, 563
Eigenfunction expansions, 74
Electronics cooling, 48, 149
Elliptic relaxation, 563
Enthalpy method, 446
Evaporation, 520
Falling film, 429
Film-cooling, 10, 349
Films, 520
Finger formation, 455
Finite difference, 405
Finite-volume technique, 385
Flame instability, 649
Flow of viscoplastic materials, 60
Flow pattern, 422
Flow rate excursions, 115
Flow reattachment, 592
Flow visualization, 513
Fluid sphere, 414
Forced convection, 149, 374
Forced convection through short ducts, 60
Foreign gas simulation, 349
Free convection, 84
Free stream, 68
Frequency analysis of waves, 507
Gas turbines, 374
Grid sensitivity, 172
Heat exchangers, 374
Heat generation or absorption, 84
Heat transfer, 115, 187, 290, 349, 429, 437, 446
Heat transfer enhancement, 574
Heat transport, 128
Heated turbulent channel flow, 128
Herschel–Bulkley materials, 60
High-order modeling, 341
Hole physics, 10
Homogeneous turbulence, 563
Impingement, 574
Inward flow, 395
 k - ω model, 172
Karman vortex, 290
Kettle reboilers, 437
Laminar flow regime, 405
Laminar natural convection, 614
Laminar, 605
Laminar–turbulent transition, 513
Large eddy simulation, 222
Liquid jet, 507
Liquid jet breakup, 507
Longitudinal vortices, 128
LRN model, 172
Magnetic field, 84
Melting, 446
Microchannel flow, 142
Microchannels, 149, 422
Mixed convection, 48
Momentum transport, 128
Natural convection, 624
Navier–Stokes, 605
Navier–Stokes equations, 414
Near-wall turbulence, 563
Nuclear applications, 222
Numerical, 605
Numerical computation, 290
Numerical simulation, 405, 649
Partially wet fin, 642
Phase-Doppler anemometry, 530

- Power-law fluid, 429
Prandtl number, 187
Pressure recovery, 592
Primary breakup, 513
Protruding module, 48
Pulsating flow, 574
Quadruple hot-wire probe, 128
Reverse transition, 395
Ribs, 374
Rim instability, 455
Roughness-viscosity, 142
Scaled model, 545
Second-moment turbulence closure, 385
Shrouds, 374
Signal processing, 530
Slug-droplet flow, 422
Spectral methods, 208
Splashing, 455
Spray forming, 530
Sprays, 520
Square cylinder, 592
Stable stratification, 385
Stationary disks, 395
Streamline curvature, 563
Stretching surface, 84
Subcritical flow, 105
Subgrid scale model, 105, 222
Submergence ratio, 598
Surface roughness, 142
Surface wave, 507
Swirling decaying flow, 405
Swirling flow, 341
System rotation, 563
Thermal optimisation, 374
Thermal transient, 48
Thermophysical properties, 614
Three components decomposition, 290
Time dependent simulation, 105
Time scale ratio, 196
Transient response, 115
Transient, 605
Transition, 208
Transition regime, 172
Transport coefficient, 68
Tube bundles, 105
Turbine blade, 10
Turbulence, 208, 222, 341
Turbulence modelling, 395
Turbulence models, 115, 581
Turbulent diffusion, 222
Turbulent diffusivity, 187
Turbulent heat transfer, 196
Turbulent natural convection, 172
Turbulent Prandtl number, 196
Twin-fluid atomization, 513
Two-phase flow, 422
Ultrasonic measurement, 402
Unfixed solid, 446
Unsteady, 605
Unstructured meshes, 581
Vaporization, 68
Volume-of-fluid method, 455
Vortex shedding, 592
Vortex-shedding flowmeter, 402
Weighted residual methods, 74