

Keyword index to volume 26

- Advanced diesel injection, 656
Aero-engine applications, 440
Aerodynamics, 843
Air embolism, 865
Airflow, 12
Analytical and numerical study, 513
Annular flow, 883
Asymmetric oscillations, 71
Automotive headlight, 709
Baffle, 223
Bluff plates, 80
Boiling heat transfer, 801
Bottom shear, 105
Bubble, 485
Bubbly jets, 922
Buoyancy, 873
Buoyancy extended eddy viscosity, 569
Capillary forces, 495
Carbon dioxide (CO₂), 801
Cardiovascular emboli, 865
CFD, 12
Channel Couette flow, 133
Coherent structures, 922
Combustion, 905
Compact heat exchanger, 296
Compactness, 34
III–V Compounds, 810
Computational heat transfer, 547
Computational model, 810
Computational simulation, 105
Computer simulations, 828
Concentric annulus, 191
Condensation, 71
Confined jet, 746
Conjugate heat transfer, 80
Constructal theory, 34
Continuum surface force, 613
Convective instability, 307
Convective turbulent heat transfer, 233
Correlation, 801
Counter-gradient diffusion, 905
Critical heat flux, 474
Critical heat input, 495
Crystal growth, 45
Deposition, 119
Destabilizing effect, 191
Detached eddy simulation, 204
Diamagnetic fluid, 622
Discontinuous Galerkin method, 817
Dispersion, 873
DNS, 722
Downward facing boiling, 474
Drag forces, 289
Droplet combustion, 914
Dry-out, 296
Dry-out length, 495
Dynamic Smagorinsky model, 92
EARSIM, 732
Efficiency, 695
Electro-MHD actuators, 635
Electronic cooling, 34
Electrostatic stabilization, 855
Elliptic relaxation, 569
Enclosure, 12, 45
Enclosures, 587
Entropy measurements, 695
Entropy production, 672
Exact similarity solutions, 289
Excited jets, 922
Experimental and numerical investigation, 440
Experimental data, 233
Experiments, 828
Fibres, 558
Field synergy principle, 459
Fin efficiency, 80
Finite volume, 322
Flame control, 431
Flow boiling, 296
Flow field, 440
Flow patterns, 746
Flow sensors, 635
Flow statistics, 722
Flow visualization, 45, 411, 894
Flux layer, 105
Forced convection, 141, 914
Formulation, 855
Free convection, 587
Free shear layer, 755
Free surface flow, 613
Gas embolotherapy, 865
Gas pipelines, 817
Gas transients, 817
Headlamp cavity, 709
Heat and mass transfer, 513
Heat exchanger, 440
Heat transfer, 105, 244, 322, 746, 780, 873, 905
Heat transfer augmentation, 223, 530
Heat transfer coefficient, 296
Heat transfer enhancement, 530
High pressure injection, 656
Hybrid LES/RANS model, 204
Hydrodynamic instability, 843
Impingement, 746
Impinging jet, 244
Inclined baffle, 223
Infrared, 411

- Interacting wakes, 362
 Interaction effects, 695
 Interface statistics, 722
 Internal heat source, 709
 Jet entrainment, 431
 Jet flow, 485
 $k-\epsilon$, 1
 Kelvin force, 622
 Kinetic equations, 416
 Lamella, 119
 Laminar flow, 105, 289
 Laminar forced convection, 530
 Large eddy simulation, 204, 681
 Large eddy simulation (LES), 378
 Large-Eddy simulation, 191, 244
 Laser welding, 613
 Laser-Doppler velocimetry, 709
 LES, 92, 558
 Linear instability, 133
 Liquid crystal, 411
 Liquid film, 119
 Liquid water film, 722
 Localized dynamic SGS model, 378
 Lorentz forces, 635
 Loss mechanisms, 695
 Magnetic fields, 810
 Magnetothermal convection, 622
 Marangoni, 485
 Marangoni convection, 613
 Maximal heat transfer density, 34
 Micro heat pipes, 495
 Micro-porous layer coating, 474
 Microgravity, 914
 Mini tubes, 801
 Mini-channel, 296
 Mixing enhancement, 755
 Mixture theory, 141
 Modeling, 495
 Moving boundaries, 276
 Moving fluid, 289
 Moving mesh, 597
 Moving surface, 289
 Nanofluid, 530
 Nanofluids, 855
 Nanoparticles, 530
 Natural convection, 34, 45, 105, 307, 587, 597, 622, 709, 855
 Near-wall anisotropy, 204
 Near-wall streamwise vortex, 681
 Near-wall turbulence, 635
 Non-linear eddy-viscosity model, 204
 Non-spherical particles, 780
 Nonlinear modelling, 732
 Nonpremixed flame, 431
 Numerical, 587
 Numerical analysis, 780
 Numerical modelling, 12
 Numerical simulation, 459
 On-off-design, 56
 Operator splitting, 141
 Optical sensors, 922
 Packing, 34
 Particle deposition, 558
 Particle image velocimetry, 894
 Pedestal on flat plate, 233
 Phase averaging, 922
 Phase change, 276, 411, 597
 PIV, 485, 922
 PIV Measurement, 244
 Plate fin-and-tube surface, 459
 Porous media, 322, 440
 Pressure measurements, 56
 Projection method, 732
 Proper orthogonal decomposition, 276
 Quasi-linear heat flux, 569
 Radial flow, 530
 RANS, 1
 Reattachment, 80
 Rectangular channel, 223
 Refrigeration, 56
 Ribbed channel, 558
 Ribbed-ducts, 92
 Riemann problem, 141
 Rotating flow, 732
 Rotating turbulent flow, 378
 Scaling, 873
 Scaling analysis, 307
 Secondary flows, 80
 Semiconductor crystal growth, 810
 Separation, 80
 Shock waves, 56, 141
 Shock-boundary layer interaction, 56
 Shortwaves, 133
 Simulation results, 233
 Slag, 105
 Solitary waves, 894
 Soret effect, 513
 Sound pressure level, 755
 Splashing, 119
 Statistical models, 416
 Subcooled boiling, 485
 Subgrid-scale (SGS) model, 378
 Supersonic ejector, 56
 Supersonic injection, 656
 Supersonic jet, 755
 Synergy, 828
 Thermal, 411
 Thermal fluctuation, 547
 Thermal local non-equilibrium, 322
 Thermosolutal convection, 513
 Throat section turbulence structure, 883
 Triangular enclosure, 307
 Tube flow, 530
 Tuft, 411
 Turbine blade internal cooling, 92
 Turbulence, 416, 843, 873, 905
 Turbulence control, 635
 Turbulence model, 233
 Turbulence modeling, 56, 440
 Turbulence modelling, 732
 Turbulent annular channel flow, 378
 Turbulent convection, 828
 Turbulent flow, 80, 672
 Turbulent heat transfer, 681
 Turbulent mixed convection, 1
 Turbulent modification, 883
 Turbulent natural and mixed convection, 569
 Turbulent rotating flow, 191
 Two-layer flow, 133
 Two-phase flow, 474
 Two-phase particle-laden flow, 416
 Unsaturated porous medium, 141
 Unsteady compressible flow, 817
 Unsteady flow, 587, 695
 Unstructured mesh, 71
 v^2-f , 1

- Variable properties, 780
- Variable viscosity, 105
- Ventilation, 12
- Vertical Bridgman configuration, 547
- Vertical cylindrical enclosure, 622
- Vertical flat plate, 1
- VOF, 722
- Volume of fluid method, 119
- Vortex interactions, 362
- Vortex streets, 362
- Vortices, 843
- Wall functions, 672
- Wall jet, 12
- Wall temperature, 709
- Water, 622
- Wave–structure interaction, 894
- Wavy interface, 883
- Wavy wall, 681
- Web processing, 289
- WENO schemes, 755
- Wet-steam, 71