

Index to Volume 5, 1984

March 1984, Number 1, 1–64
 June 1984, Number 2, 65–128

September 1984, Number 3, 129–192
 December 1984, Number 4, 193–256

Authors

Agrawal, A. K. 242
 Agrawal, H. L. 242
 Al-Azzawi, H. K. 57
 Barozzi, G. S. 235
 Bettocchi, R. 185
 Bollina, E. 93
 Brown, A. 67
 Cantore, G. 185
 Chisholm, D. 51
 Clayton, B. R. 195
 Colbourne, P. 167
 Collins, M. W. 235
 Dayan, J. 149
 Dixon, J. C. 222
 Dumas, A. 235
 El-Refaie, M. F. 113
 Fairweather, M. 21
 Friedel, L. 229
 Gokoglu, S. A. 37
 Gregory-Smith, D. G. 139
 Haber, S. 149
 Hashish, M. A. 113
 Johnson, A. R. 121
 Jones, F. E. 247
 Kilham, J. K. 21
 Kim, D. M. 205
 Lai, J. C. S. 215
 Lee, T. S. 29
 Martin, B. W. 67
 Mobbs, F. R. 251
 Morris, W. D. 121
 Morrison, J. F. 139
 Morsi, Y. S. M. 195
 Morton, V. M. 101
 Nawaz, S. 21
 Owen, I. 57
 Ozogan, M. S. 251
 Pawlowski, M. 179
 Purps, S. 229
 Rahman, M. 167
 Ram, P. C. 242
 Ramana Murty, T. V. 54
 Rehinder, G. 131
 Reichel, L. 131
 Rosner, D. P. 37
 Salami, L. A. 155
 Shah, M. M. 13

Shavit, A. 149
 Singh, V. 242
 Siwón, B. 179
 Soundalgekar, V. M. 54
 Tippetts, J. R. 3
 Vighnesam, N. V. 54
 Viskanta, R. 205
 Warren, M. D. 43
 Wood, N. B. 101
 Yeo, K. H. 67
 Young, J. B. 81

Titles

Analytic solution for secondary flow with heat transfer in a square duct 167
 Calculating liquid droplets settling on a cylinder in gas-liquid spray flow 179
 Calculation of an axisymmetric turbulent wall jet over a surface of convex curvature 139
 Combined forced and free convective flow of water at 4°C past a semi-infinite vertical plate 54
 Computational and experimental studies of convective fluid motion and heat transfer in inclined non-rectangular enclosures 29
 A correlation for heat transfer during subcooled boiling on a single tube with forced crossflow 13
 Determination of principal characteristics of turbulent swirling flow along annuli – Part 1: Measurement of time mean parameters 195
 Drying of porous oil shales 149
 Effect of particulate thermophoresis in reducing the fouling rate advantages of effusion cooling 37
 Effect of upstream velocity profile and integral flow straighteners on turbine flowmeters 155
 Estimating diverter valve corrections 247
 Experimental investigation of the effect of entry conditions and rotation on flow resistance in circular tubes rotating about a parallel axis 121
 Experimental investigations into vortex flow in a straight, annular section channel 185
 Finding the operating point of Eulerian flow machines 3
 Hall effects on convective hydromagnetic flow past a flat plate 242
 Head-flow and npsH performance of an axial piston pump working with organic fluids at different temperatures 93
 Heat conduction in a rock mass with an annular hot water store 131
 Heat transfer by conduction, natural convection and radiation across a rectangular cellular structure 205
 Heat transfer in specularly reflecting tubes 222
 Inlet angle distribution of last stage moving blades for large steam turbines 101
 Measuring the thermal conductivity of uranium 57
 Open-end outflow boundary approximations for the solution of the equations of unsteady one-dimensional gas flow by the Lax-Wendroff method 43
 Phase distribution in vessels during depressurisation 229
 Sem-analytical techniques for investigating thermal non-equilibrium effects in wet steam turbines 81
 'Settling time' and 'memory': two concepts to simplify the dynamic analysis of the flat-plate collector 113
 Sharp entry and transition effects for laminar combined convection of water in vertical tubes 235
 Stability of a laminar boundary layer flowing along a concave surface with uniform mainstream velocity 67
 Stagnation point heat transfer from laminar high temperature methane flames 21
 Study of the sub-critical Taylor vortex flow between eccentric rotating cylinders by torque measurements and visual observations 251
 Two-phase vertical upflow through tube banks with bypass lanes 51
 Unsteady effects in mechanically-excited turbulent plane jets 215

Keywords

Aerosols 57
Annuli 195
Axial piston pumps 93
Boiling 13
Bypass effects 51
Coanda effect 139
Cavitation 93
Compressible flow 101
Concentric tubes 195
Conduction 131, 205
Convection 21, 29, 54, 205, 235, 242
Depressurisation 229
Diverter valves 247
Entry effects 235
Evaporation 149
Flames 21
Flares 139
Flow 54, 235
Flow measurement 155, 247
Flow straighteners 155
Fluid mechanics 3, 29, 81, 139
Fouling 37
Gas flow 43, 139
Gas turbines 121
Hall effects 242
Heat storage 131
Heat transfer 13, 21, 179, 167, 205, 222
Inclined enclosures 29
Lax-Wendroff method 43
Liquid droplets 179
Methane 21
Modelling 3, 113, 139, 242
Nuclear fuels 167
Oil shales 149
Particle mass transfer 37
Phase distribution 229
Plane jets 215
Power fluidics 3
Radiation 205
Rate processes 149
Secondary flow 167
Solar collectors 113
Spray flow 179
Square duct 167
Stagnation point 21
Steam turbines 81
Swirl 185, 195
Taylor number 251
Thermal conductivity 57
Thermal design 113
Thermodynamic losses 81
Thermodynamics 229
Thermophoresis 37
Tube heat exchangers 51, 222
Turbine blades 67
Turbine meters 155
Turbines 101, 185
Turbomachines 3, 37
Turbulence 195, 215
Two-phase flow 13, 51
Unsteady effects 215
Vortices 67, 185, 251
Water 54

Book reviews

Cavitation 28
Computational Hydraulics 80
Computational Methods for Fluid Flow 112
Convection in Liquids 130
Energy Storage for Energy Management 66
Fundamentals of Heat Transfer in Fusion Energy Systems 241
Gas Turbine Combustion 228
Heat and Mass Transfer in Rotating Machinery 203
Low Reynolds Number Flow Heat Exchangers 28
Numerical Properties and Methodologies in Heat Transfer 12
Photon Correlation Techniques in Fluid Mechanics 36
Pressure Surges 130
Proceedings of the Seventh Conference on Fluid Machinery 42
Transient Two-phase Flow 80

Conference reports

Applications of LDA Counter Systems 41
Computational Methods in Turbomachinery 190
FLOMEKO '83 62
Fourth Symposium on Turbulent Shear Flows 59