

Contributor Index (Vol. 6)

Frontispiece

- Albe, F.** (see Desse, J. M.), Vol. 6, No. 1 (2003) 7
- Araki, F.** (see Yoshioka, M. K.), Vol. 6, No. 4 (2003) 327
- Azuma, A.** (see Inoue, M.), Vol. 6, No. 3 (2003) 209
- Babayev, D. B.** (see Zibarov, A. V.), Vol. 6, No. 2 (2003) 94
- Bazulev, N., Fomin, N., Hirano, T., Lavinskaya, E., Mizukaki, T., Nakagawa, A., Rubnikovich, S., Takayama, K.** Bio-Tissue Structure Monitoring under Shock Wave Treatment, Vol. 6, No. 2 (2003) 91
- Behnia, M.** (see Ellerman, D. M.), Vol. 6, No. 2 (2003) 90
- Chung, S. H.** (see Won, S. H.), Vol. 6, No. 3 (2003) 211
- Desse, J. M., Albe, F. and Tribillon J. L.** Real Time Color Holographic Interferometry Devoted to 2D Unsteady Wakes Flows, Vol. 6, No. 1 (2003) 7
- Di Felice, F.** (see Felli, M.), Vol. 6, No. 2 (2003) 92
- Ellerman, D. M., Milton, B. E. and Behnia, M.** Visualisation of the Two-Phase Gasoline/Air Flow Around Engine Intake Valves using Back-Lit Photography Techniques, Vol. 6, No. 2 (2003) 90
- Enomoto, T.** (see Yoshioka, M. K.), Vol. 6, No. 4 (2003) 327
- Felli, M. and Di Felice, F.** Mean and Turbulent Flow Field in the Wake of a Ship Model by LDV, Vol. 6, No. 2 (2003) 92
- Fomin, N.** (see Bazulev, N.), Vol. 6, No. 2 (2003) 91
- Fujita, Y.** (see Tanaka, H.), Vol. 6, No. 1 (2003) 4
- Grebin, U.** (see Leder, A.), Vol. 6, No. 4 (2003) 328
- Hammad, K. J.** (see Papadopoulos, G.), Vol. 6, No. 4 (2003) 325
- Hirano, T.** (see Bazulev, N.), Vol. 6, No. 2 (2003) 91
- Igarashi, A.** (see Yoshioka, M. K.), Vol. 6, No. 4 (2003) 327
- Inoue, M. and Azuma, A.** Flow Visualization of Streak Lines around a Butterfly, *Sasakia charonda*. Vol. 6, No. 3 (2003) 209
- Ishimatsu, K.** (see Kage, K.), Vol. 6, No. 3 (2003) 207
- Jimbo, T. and Tanahashi, T.** Numerical Simulations of Unsteady Shock Waves around Complex Bodies, Vol. 6, No. 3 (2003) 212
- Jin S. H.** (see Won, S. H.), Vol. 6, No. 3 (2003) 211
- Kage, K., Ishimatsu, K. and Okubayashi, T.** Numerical Study on the Effects of the Rupture Process of a Secondary Diaphragm in an Expansion Tube, Vol. 6, No. 3 (2003) 207
- Kao, A. F., Tai, C. H. and Miao, J. M.** Numerical Analysis of Rotor Blades with and without Film Cooling Holes, Vol. 6, No. 2 (2003) 93
- Karpov, A. N.** (see Zibarov, A. V.), Vol. 6, No. 2 (2003) 94
- Kawai, H. and Takahashi, T.** Visualization of Taylor-Couette Vortex with a Short Annulus, Vol. 6, No. 4 (2003) 323
- Kihlken, T.** (see Mejia, K. M.), Vol. 6, No. 4 (2003) 324
- Kling, K. and Mewes, D.** Quantitative Measurements of Micro- and Macromixing in a Stirred Vessel using Two-color Laser Induced Fluorescence, Vol. 6, No. 3 (2003) 208
- Komarov, I. J.** (see Zibarov, A. V.), Vol. 6, No. 2 (2003) 94
- Konstantinov, P. V.** (see Zibarov, A. V.), Vol. 6, No. 2 (2003) 94
- Lam, K., Li, J. Y. and So, R. M. C.** Flow Patterns of Cross-Flow Around Four Equispaced Cylinders at Low Reynolds Number, Vol. 6, No. 1 (2003) 5
- Lavinskaya, E.** (see Bazulev, N.), Vol. 6, No. 2 (2003) 91
- Leder, A., Grebin, U.** Flow-Visualizations behind a High Diver, Vol. 6, No. 4 (2003) 328
- Lee, J. S.** (see Won, S. H.), Vol. 6, No. 3 (2003) 211
- Li, J. Y.** (see Lam, K.), Vol. 6, No. 1 (2003) 5
- Maeda, H.** (see Torii, S.), Vol. 6, No. 1 (2003) 6
- Medvedev, A. V.** (see Zibarov, A. V.), Vol. 6, No. 2 (2003) 94
- Mejia, K. M., Kihlken, T. and Simon, L. V.** Enhanced Visualization Methods for Interpretation of Wind Tunnel Data, Vol. 6, No. 4 (2003) 324
- Mewes, D.** (see Kling, K.), Vol. 6, No. 3 (2003) 208
- Miao, J. M.** (see Kao, A. F.), Vol. 6, No. 2 (2003) 93
- Milton, B. E.** (see Ellerman, D. M.), Vol. 6, No. 2 (2003) 90
- Mironov, A. A.** (see Zibarov, A. V.), Vol. 6, No. 2 (2003) 94
- Mizukaki, T.** (see Bazulev, N.), Vol. 6, No. 2 (2003) 91
- Nakagawa, A.** (see Bazulev, N.), Vol. 6, No. 2 (2003) 91
- Obara, T. and Ohyagi, S.** Visualization of Shock Wave and Detonation Wave, Vol. 6, No. 3 (2003) 210
- Ohyagi, S.** (see Obara, T.), Vol. 6, No. 3 (2003) 210
- Okubayashi, T.** (see Kage, K.), Vol. 6, No. 3 (2003) 207
- Papadopoulos, G. and Hammad, K. J.** Toroidal Vortex Structure for a Triple Impeller Stirred-Tank at various Rotational Speeds obtained using Time-Resolved PIV, Vol. 6, No. 4 (2003) 325
- Robb, R.** Visualization of Patient-Specific Volume Images In Image-Guided Diagnosis and Therapy, Vol. 6, No. 1 (2003) 3
- Rubnikovich, S.** (see Bazulev, N.), Vol. 6, No. 2 (2003) 91
- Sargsyan, G. and Tsarukyan, S.** Visualization of Invisible Reaction Zone of H₂ Molecules on the Front of Diffusion Flame of Propane, Vol. 6, No. 1 (2003) 8
- Simon, L. V.** (see Mejia, K. M.), Vol. 6, No. 4 (2003) 324
- So, R. M. C.** (see Lam, K.), Vol. 6, No. 1 (2003) 5
- Tai, C. H.** (see Kao, A. F.), Vol. 6, No. 2 (2003) 93
- Takahashi, T.** (see Kawai, H.), Vol. 6, No. 4 (2003) 323
- Takayama, K.** (see Bazulev, N.), Vol. 6, No. 2 (2003) 91
- Tanahashi, T.** (see Jimbo, T.), Vol. 6, No. 3 (2003) 212
- Tanaka, H., Fujita, Y. and Yamaji, H.** Visualization of Large-Scale Internal Seiche in Lake Inawashiro, Vol. 6, No. 1 (2003) 4
- Ting, L. L.** Some Additional CFD Flow Field and Pressure Solution Results for Dimpled Golf Ball with Backspin Rate of 2,000 rpm, Vol. 6, No. 4 (2003) 326
- Torii, S., Yano, T. and Maeda, H.** Counterflow Diffusion Flame under Reduced Gravity, Vol. 6, No. 1 (2003) 6
- Tribillon J. L.** (see Desse, J. M.), Vol. 6, No. 1 (2003) 7
- Tsarukyan, S.** (see Sargsyan, G.), Vol. 6, No. 1 (2003) 8
- Uehara, H.** (see Yoshioka, M. K.), Vol. 6, No. 4 (2003) 327
- Vogel, G.** Visualization of a Narrow-band Transient Liquid Crystal Signal on a Film-cooled Contoured Platform of a Nozzle Guide Vane for Film Cooling Performances Measurements, Vol. 6, No. 2 (2003) 89
- Won, S. H. Lee, J. S. Jin S. H. and Chung, S. H.** Visualization of Lifted Laminar Jet Flame by Rayleigh Scattering, OH PLIF, and CH Chemiluminescence, Vol. 6, No. 3 (2003) 211
- Yamaji, H.** (see Tanaka, H.), Vol. 6, No. 1 (2003) 4
- Yano, T.** (see Torii, S.), Vol. 6, No. 1 (2003) 6
- Yoshioka, M. K., Araki, F., Uehara, H., Enomoto, T. and Igarashi, A.** 3-D Structure of Baiu Front around Japan Simulated by Ultra High Resolution Atmospheric General Circulation Model on the Earth Simulator, Vol. 6, No. 4 (2003) 327
- Zibarov, A. V., Babayev, D. B., Mironov, A. A., Komarov, I. J., Konstantinov, P. V., Medvedev, A. V. and Karpov, A. N.** Visualization of Shock Wave Diffraction on 3D Edge, Vol. 6, No. 2 (2003) 94

Paper

- Ahn, K., Kim, J. H. and Yoon, Y.** Application of PIV to Over-

- expanded Supersonic Flows: Possibilities and Limits, Vol. 6, No. 4 (2003) 353-361
- Aoki, K.** (see Shimada, K.), Vol. 6, No. 4 (2003) 395-405
- Aoki, K., Kinoshita, Y., Nagase, J. and Nakayama, Y.** Dependence of Aerodynamic Characteristics and Flow Pattern on Surface Structure of a Baseball. Vol. 6, No. 2 (2003) 185-193
- Aoki, K., Ohike, A., Yamaguchi, K. and Nakayama, Y.** Flying Characteristics and Flow Pattern of a Sphere with Dimples, Vol. 6, No. 1 (2003) 67-76
- Asai, K.** (see Mitsuo, K.), Vol. 6, No. 3 (2003) 213-223
- Bazylev, N., Fomin, N., Hirano, T., Lavinskaya, E., Mizukaki, T., Nakagawa, A., Rubnikovich, S. and Takayama, K.** Quasi-Real Time Bio Tissues Monitoring using Dynamic Laser Speckle Photography, Vol. 6, No. 4 (2003) 371-380
- Chang, T. H. and Lee, H. S.** An Experimental Study on Swirling Flow in a 90 Degree Circular Tube by Using Particle Image Velocimetry, Vol. 6, No. 4 (2003) 343-352
- Chashechkin, Yu. D. and Levitskiy, V. V.** Pattern of Flow around a Sphere Oscillating an Neutrally Buoyancy Horizon in a Continuously Stratified Fluid, Vol. 6, No. 1 (2003) 59-65
- Chen, B.** (see Song, Y.), Vol. 6, No. 1 (2003) 41-51
- Chen, B., Song, Y., Nishio, M. and Someya, S.** Numerical Simulation of the Inner Structure of a Two-phase Plume Formed in a Stratification Environment, Vol. 6, No. 1 (2003) 9-20
- Choi, J. W.** (see Kadooka, Y.), Vol. 6, No. 3 (2003) 283-291
- Chung, S. H.** Several Applications of Laser Diagnostics for Visualization of Combustion Phenomena, Vol. 6, No. 2 (2003) 95-106
- Cooper, K. R.** (see Mébarki, Y.), Vol. 6, No. 4 (2003) 381-393
- Dekowski, J.** (see Mizeraczyk, J.), Vol. 6, No. 2 (2003) 125-133
- Fomin, N.** (see Bazylev, N.), Vol. 6, No. 4 (2003) 371-380
- Fujisawa, N.** (see Tomimatsu, S.), Vol. 6, No. 3 (2003) 273-281
- Fujita, I. and Hino, T.** Unseeded and Seeded PIV Measurements of River Flows Videotaped from a Helicopter, Vol. 6, No. 3 (2003) 245-252
- Fukuda, K.** (see Sun, L. Q.), Vol. 6, No. 4 (2003) 363-370
- Garrick, S. C.** (see Modem, S.), Vol. 6, No. 3 (2003) 293-302
- George, A.** (see Seiler, F.), Vol. 6, No. 3 (2003) 253-262
- Gowda, B. H. L.** (see Mizuki, S.), Vol. 6, No. 4 (2003) 337-342
- Guriashkin, L. P.** (see Kopiev, V. F.), Vol. 6, No. 3 (2003) 303-311
- Hashimoto, T.** (see Jagadeesh, G.), Vol. 6, No. 2 (2003) 195-203
- Havermann, M.** (see Seiler, F.), Vol. 6, No. 3 (2003) 253-262
- Hayasaka, M.** (see Mitsuo, K.), Vol. 6, No. 3 (2003) 213-223
- Hino, T.** (see Fujita, I.), Vol. 6, No. 3 (2003) 245-252
- Hirano, T.** (see Bazylev, N.), Vol. 6, No. 4 (2003) 371-380
- Hirooka, N., Oba, S., Nakayama, N., Kawahashi, M. and Watanabe, M.** PIV Measurement of Toner Particle Motion in a Micro-gap in the Development Process of Electrophotography, Vol. 6, No. 2 (2003) 175-184
- Hong, S. D., Okamoto, K., Kim, H. J., Sugii, Y. and Madarame, H.** Chemically Reacting Liquid Round Jet. Vol. 6, No. 3 (2003) 225-234
- Hosokawa, A.** (see Tomimatsu, S.), Vol. 6, No. 3 (2003) 273-281
- Hu, H. and Koochesfahani, M. M.** A Novel Technique for Quantitative Temperature Mapping in Liquid by Measuring the Lifetime of Laser Induced Phosphorescence, Vol. 6, No. 2 (2003) 143-153
- Inshakov, S. I.** (see Kopiev, V. F.), Vol. 6, No. 3 (2003) 303-311
- Ishimatsu, K.** (see Kage, K.), Vol. 6, No. 2 (2003) 107-114
- Itoh, S.** (see Matsumoto, S.), Vol. 6, No. 3 (2003) 235-244
- Jagadeesh, G., Hashimoto, T., Naitou, K., Sun, M. and Takayama, K.** Visualization of Unsteady Shock Oscillations in the High-Enthalpy Flow Field around Double Cones, Vol. 6, No. 2 (2003) 195-203
- Kadooka, Y., Kobashi, H., Choi, J. W., Lee, Y. H. and Tago, Y.** PIV Web Visualization System Toward PIV Visualization Grid. Vol. 6, No. 3 (2003) 283-291
- Kage, K., Ishimatsu, K. and Okubayashi, T.** Numerical Study of the Effects of the Rupture Process of a Secondary Diaphragm in Expansion Tubes, Vol. 6, No. 2 (2003) 107-114
- Kai, T.** (see Nozaki, T.), Vol. 6, No. 2 (2003) 135-142
- Kameda, M.** (see Mitsuo, K.), Vol. 6, No. 3 (2003) 213-223
- Kanazawa, S.** (see Mizeraczyk, J.), Vol. 6, No. 2 (2003) 125-133
- Kawahashi, M.** (see Hirooka, N.), Vol. 6, No. 2 (2003) 175-184
- Kim, H. J.** (see Hong, S. D.), Vol. 6, No. 3 (2003) 225-234
- Kim, J. H.** (see Ahn, K.), Vol. 6, No. 4 (2003) 353-361
- Kimura, K.** (see Shimada, K.), Vol. 6, No. 4 (2003) 395-405
- Kinoshita, Y.** (see Aoki, K.), Vol. 6, No. 2 (2003) 185-193
- Kiyashko, S. V. and Nazarovskiy, A. V.** Visualization of Two-dimensional Vortex Flows in Thin Oscillating Liquid Films, Vol. 6, No. 1 (2003) 53-58
- Kling, K. and Mewes, D.** Quantitative Measurements of Micro- and Macromixing in a Stirred Vessel using Planar Laser Induced Fluorescence, Vol. 6, No. 2 (2003) 165-173
- Kobashi, H.** (see Kadooka, Y.), Vol. 6, No. 3 (2003) 283-291
- Kocik, M.** (see Mizeraczyk, J.), Vol. 6, No. 2 (2003) 125-133
- Koochesfahani, M. M.** (see Hu, H.), Vol. 6, No. 2 (2003) 143-153
- Kopiev, V. F., Zaitsev, M. Yu., Inshakov, S. I. and Guriashkin, L. P.** Visualization of the Largescale Vortex Structures in Excited Turbulent Jets, Vol. 6, No. 3 (2003) 303-311
- Lavinskaya, E.** (see Bazylev, N.), Vol. 6, No. 4 (2003) 371-380
- Lee, H. S.** (see Chang, T. H.), Vol. 6, No. 4 (2003) 343-352
- Lee, Y. H.** (see Kadooka, Y.), Vol. 6, No. 3 (2003) 283-291
- Leopold, F.** (see Seiler, F.), Vol. 6, No. 3 (2003) 253-262
- Levitskiy, V. V.** (see Chashechkin, Yu. D.), Vol. 6, No. 1 (2003) 59-65
- Machacek, M. and Rösgen, T.** Fluid Flow Visualization by Three-dimensionally Reconstructed Tracer Path Lines, Vol. 6, No. 2 (2003) 115-124
- Madarame, H.** (see Hong, S. D.), Vol. 6, No. 3 (2003) 225-234
- Maršík, F.** (see Trávníček, Z.), Vol. 6, No. 4 (2003) 417-421
- Matsumoto, S., Nakamura, Y. and Itoh, S.** Visualization and Numerical Analysis of Stress Waves in Blasting Process, Vol. 6, No. 3 (2003) 235-244
- Mébarki, Y., Cooper, K. R. and Reichert, T. M.** Automotive Testing Using Pressure-Sensitive Paint, Vol. 6, No. 4 (2003) 381-393
- Mewes, D.** (see Kling, K.), Vol. 6, No. 2 (2003) 165-173
- Mitsuo, K., Asai, K., Hayasaka, M. and Kameda, M.** Temperature Correction of PSP Measurement Using Dual-Luminophor Coating, Vol. 6, No. 3 (2003) 213-223
- Mizeraczyk, J., Dekowski, J., Podliński, J., Kocik, M., Ohkubo, T. and Kanazawa, S.** Laser Flow Visualization and Velocity Fields by Particle Image Velocimetry in an Electrostatic Precipitator Model, Vol. 6, No. 2 (2003) 125-133
- Mizobata, K.** (see Sun, L. Q.), Vol. 6, No. 4 (2003) 363-370
- Mizukaki, T.** (see Bazylev, N.), Vol. 6, No. 4 (2003) 371-380
- Mizuki, S., Gowda, B. H. L. and Uchibaba, T.** Visualization Studies using PIV in a Cylindrical Tank with and without Vortex Suppressor, Vol. 6, No. 4 (2003) 337-342
- Modem, S. and Garrick, S. C.** Nanoparticle Coagulation in a Temporal Mixing Layer Mean and Size-selected Images, Vol. 6, No. 3 (2003) 293-302
- Munakata, T.** (see Someya, S.), Vol. 6, No. 1 (2003) 21-29
- Nagase, J.** (see Aoki, K.), Vol. 6, No. 2 (2003) 185-193
- Naitou, K.** (see Jagadeesh, G.), Vol. 6, No. 2 (2003) 195-203
- Nakagawa, A.** (see Bazylev, N.), Vol. 6, No. 4 (2003) 371-380
- Nakamura, Y.** (see Matsumoto, S.), Vol. 6, No. 3 (2003) 235-244
- Nakayama, N.** (see Hirooka, N.), Vol. 6, No. 2 (2003) 175-184
- Nakayama, Y.** (see Aoki, K.), Vol. 6, No. 2 (2003) 185-193

- Nakayama, Y.** (see Aoki, K.), Vol. 6, No. 1 (2003) 67-76
- Nazarovsky, A. V.** (see Kiyashko, S. V.), Vol. 6, No. 1 (2003) 53-58
- Ng, W. B., Salem, A. F. and Zhang, Y.** Three-dimensional Visualization of Diffusion Flame Shapes under Acoustic Excitation Using Stereoscopic Imaging and Reconstruction Technique, Vol. 6, No. 4 (2003) 329-336
- Nishio, M.** (see Chen, B.), Vol. 6, No. 1 (2003) 9-20
- Nishio, M.** (see Someya, S.), Vol. 6, No. 1 (2003) 21-29
- Nishio, M.** (see Song, Y.), Vol. 6, No. 1 (2003) 41-51
- Nozaki, T., Yoneta, M., Ochiai, T. and Kai, T.** Flow Visualization of a Compound Swirl Jet with a Thick Rim, Vol. 6, No. 2 (2003) 135-142
- Oba, S.** (see Hirooka, N.), Vol. 6, No. 2 (2003) 175-184
- Ochiai, T.** (see Nozaki, T.), Vol. 6, No. 2 (2003) 135-142
- Ohike, A.** (see Aoki, K.), Vol. 6, No. 1 (2003) 67-76
- Ohkubo, T.** (see Mizeraczyk, J.), Vol. 6, No. 2 (2003) 125-133
- Ohsumi, T.** (see Song, Y.), Vol. 6, No. 1 (2003) 41-51
- Ohta, H.** (see Shimada, K.), Vol. 6, No. 4 (2003) 395-405
- Okamoto, K.** (see Hong, S. D.), Vol. 6, No. 3 (2003) 225-234
- Okamoto, K.** (see Someya, S.), Vol. 6, No. 2 (2003) 155-164
- Okamoto, K.** (see Someya, S.), Vol. 6, No. 1 (2003) 21-29
- Okubayashi, T.** (see Kage, K.), Vol. 6, No. 2 (2003) 107-114
- Pang, A.** (see Shen, Q.), Vol. 6, No. 1 (2003) 31-39
- Panigrahi, P. K. and Tariq, A.** Liquid Crystal Heat Transfer Measurements in a Rectangular Channel with Solid and Slit Rib, Vol. 6, No. 4 (2003) 407-416
- Podliński, J.** (see Mizeraczyk, J.), Vol. 6, No. 2 (2003) 125-133
- Prakash, E. C.** (see Zhang, Y.), Vol. 6, No. 3 (2003) 313-320
- Reichert, T. M.** (see Mébarki, Y.), Vol. 6, No. 4 (2003) 381-393
- Rubnikovich, S.** (see Bazylev, N.), Vol. 6, No. 4 (2003) 371-380
- Rösgen, T.** (see Machacek, M.), Vol. 6, No. 2 (2003) 115-124
- Salem, A. F.** (see Ng, W. B.), Vol. 6, No. 4 (2003) 329-336
- Seiler, F., Havermann, M., George, A., Leopold, F. and Srulijes, J.** Planar Velocity Visualization in High-Speed Wedge Flow using Doppler Picture Velocimetry (DPV) compared with Particle Image Velocimetry (PIV), Vol. 6, No. 3 (2003) 253-262
- Shen, Q., Uselton, S., and Pang, A.** Comparisons of Wind Tunnel Experiments and Computational Fluid Dynamics Simulations, Vol. 6, No. 1 (2003) 31-39
- Shimada, K., Kimura, K., Ohta, H. and Aoki, K.** Phenomenon of Labyrinth Seal with Low Static Pressure Difference and Large Clearance (Prediction of Performance and Experimental Result), Vol. 6, No. 4 (2003) 395-405
- Someya, S.** (see Chen, B.), Vol. 6, No. 1 (2003) 9-20
- Someya, S.** (see Song, Y.), Vol. 6, No. 1 (2003) 41-51
- Someya, S., Munakata, T., Nishio, M. and Okamoto, K.** Preliminary Study of Two Immiscible Liquid Layers Subjected to a Horizontal Temperature Gradient, Vol. 6, No. 1 (2003) 21-29
- Someya, S., Okamoto, K. and Tanaka, G.** 3D Shape Reconstruction from Synthetic Images Captured by a Rotating Periscope System with a Single Focal Direction, Vol. 6, No. 2 (2003) 155-164
- Song, Y.** (see Chen, B.), Vol. 6, No. 1 (2003) 9-20
- Song, Y., Nishio, M., Chen, B., Someya, S. and Ohsumi, T.** Measurement on CO₂ Solution Density by Optical Technology, Vol. 6, No. 1 (2003) 41-51
- Srulijes, J.** (see Seiler, F.), Vol. 6, No. 3 (2003) 253-262
- Sugii, Y.** (see Hong, S. D.), Vol. 6, No. 3 (2003) 225-234
- Sugiyama, H.** (see Sun, L. Q.), Vol. 6, No. 4 (2003) 363-370
- Sun, L. Q., Sugiyama, H., Mizobata, K. and Fukuda, K.** Numerical and Experimental Investigations on the Mach 2 Pseudo-Shock Wave in a Square Duct, Vol. 6, No. 4 (2003) 363-370
- Sun, M.** (see Jagadeesh, G.), Vol. 6, No. 2 (2003) 195-203
- Sung, E.** (see Zhang, Y.), Vol. 6, No. 3 (2003) 313-320
- Tago, Y.** (see Kadooka, Y.), Vol. 6, No. 3 (2003) 283-291
- Takayama, K.** (see Bazylev, N.), Vol. 6, No. 4 (2003) 371-380
- Takayama, K.** (see Jagadeesh, G.), Vol. 6, No. 2 (2003) 195-203
- Tanaka, G.** (see Someya, S.), Vol. 6, No. 2 (2003) 155-164
- Tariq, A.** (see Panigrahi, P. K.), Vol. 6, No. 4 (2003) 407-416
- Tesař, V.** "Fluid Plug" Microfluidic Valve for Low Reynolds Number Fluid Flow Selector Units, Vol. 6, No. 1 (2003) 77-85
- Tomimatsu, S., Fujisawa, N. and Hosokawa, A.** PIV Measurement of Velocity Field in a Spray Combustor, Vol. 6, No. 3 (2003) 273-281
- Trávníček Z. and Maršík F.** Visualization and Mass Transfer with a Bistable Two-Slot Impinging Jet, Vol. 6, No. 4 (2003) 417-421
- Uchibaba, T.** (see Mizuki, S.), Vol. 6, No. 4 (2003) 337-342
- Uemura, T.** (see Yamamoto, Y.), Vol. 6, No. 3 (2003) 263-272
- Uselton, S.** (see Shen, Q.), Vol. 6, No. 1 (2003) 31-39
- Watanabe, M.** (see Hirooka, N.), Vol. 6, No. 2 (2003) 175-184
- Yamaguchi, K.** (see Aoki, K.), Vol. 6, No. 1 (2003) 67-76
- Yamamoto, Y. and Uemura, T.** A New Super-Resolution PIV Accelerated by Characteristic Pixel Selection, Vol. 6, No. 3 (2003) 263-272
- Yoneta, M.** (see Nozaki, T.), Vol. 6, No. 2 (2003) 135-142
- Yoon, Y.** (see Ahn, K.), Vol. 6, No. 4 (2003) 353-361
- Zaitsev, M. Yu.** (see Kopiev, V. F.), Vol. 6, No. 3 (2003) 303-311
- Zhang, Y.** (see Ng, W. B.), Vol. 6, No. 4 (2003) 329-336
- Zhang, Y., Prakash, E.C. and Sung, E.** Hierarchical Facial Data Modeling for Visual Expression Synthesis, Vol. 6, No. 3 (2003) 313-320

Title Index (Vol. 6)

Frontispiece

3-D Structure of Baiu Front around Japan Simulated by Ultra High Resolution Atmospheric General Circulation Model on the Earth Simulator.

Yoshioka, M. K., Araki, F., Uehara, H., Enomoto, T. and Igarashi, A., Vol. 6, No. 4 (2003) 327

Bio-Tissue Structure Monitoring under Shock Wave Treatment.

Bazulev, N., Pomin, N., Hirano, T., Lavinskaya, E., Mizukaki, T., Nakagawa, A., Rubnikovich, S. and Takayama, K., Vol. 6, No. 2 (2003) 91

Counterflow Diffusion Flame under Reduced Gravity.

Torii, S., Yano, T. and Maeda, H., Vol. 6, No. 1 (2003) 6

Enhanced Visualization Methods for Interpretation of Wind Tunnel Data.

Mejia, K. M., Kihlken, T. and Simon, L. V., Vol. 6, No. 4 (2003) 324

Flow Patterns of Cross-Flow Around Four Equispaced Cylinders at Low Reynolds Number.

Lam, K., Li, J. Y. and So, R. M. C., Vol. 6, No. 1 (2003) 5

Flow Visualization of Streak Lines around a Butterfly, *Sasakia charonda*.

Inoue, M. and Azuma, A., Vol. 6, No. 3 (2003) 209

Flow-Visualizations behind a High Diver.

Leder, A. and Grebin, U., Vol. 6, No. 4 (2003) 328

Mean and Turbulent Flow Field in the Wake of a Ship Model by LDV.

Felli, M. and Di Felice, F., Vol. 6, No. 2 (2003) 92

Numerical Analysis of Rotor Blades with and without Film Cooling Holes.

Kao, A. F., Tai, C. H. and Miao, J. M., Vol. 6, No. 2 (2003) 93

Numerical Simulations of Unsteady Shock Waves around Complex Bodies.

Jimbo, T. and Tanahashi, T., Vol. 6, No. 3 (2003) 212

Numerical Study on the Effects of the Rupture Process of a Secondary Diaphragm in an Expansion Tube.

Kage, K., Ishimatsu, K. and Okubayashi, T., Vol. 6, No. 3 (2003) 207

Quantitative Measurements of Micro- and Macromixing in a Stirred Vessel using Two-color Laser Induced Fluorescence.

Kling, K. and Mewes, D., Vol. 6, No. 3 (2003) 208

Real Time Color Holographic Interferometry Devoted to 2D Unsteady Wakes Flows.

Desse, J. M., Albe, F. and Tribillon, J. L., Vol. 6, No. 1 (2003) 7

Some Additional CFD Flow Field and Pressure Solution Results for Dimpled Golf Ball with Backspin Rate of 2,000 rpm.

Ting, L. L. Vol. 6, No. 4 (2003) 326

Toroidal Vortex Structure for a Triple Impeller Stirred-Tank at various Rotational Speeds obtained using Time-Resolved PIV.

Papadopoulos, G. and Hammad, K. J., Vol. 6, No. 4 (2003) 325

Visualisation of the Two-Phase Gasoline/Air Flow Around Engine Intake Valves using Back-Lit Photography Techniques.

Ellerman, D. M., Milton, B. E. and Behnia, M., Vol. 6, No. 2 (2003) 90

Visualization of a Narrow-band Transient Liquid Crystal Signal on a Film-cooled Contoured Platform of a Nozzle Guide Vane for Film Cooling Performances Measurements.

Vogel, G., Vol. 6, No. 2 (2003) 89

Visualization of Invisible Reaction Zone of H₂ Molecules on the Front of Diffusion Flame of Propane.

Sargsyan, G. and Tsarukyan, S., Vol. 6, No. 1 (2003) 8

Visualization of Large-Scale Internal Seiche in Lake Inawashiro.

Tanaka, H., Fujita, Y. and Yamaji, H., Vol. 6, No. 1 (2003) 4

Visualization of Lifted Laminar Jet Flame by Rayleigh Scattering, OH PLIF, and CH Chemiluminescence.

Won, S. H., Lee, J. S., Jin S. H. and Chung, S. H., Vol. 6, No. 3 (2003) 211

Visualization of Patient-Specific Volume Images In Image-Guided Diagnosis and Therapy.

Robb, R., Vol. 6, No. 1 (2003) 3

Visualization of Shock Wave and Detonation Wave.

Obara, T. and Ohyagi, S., Vol. 6, No. 3 (2003) 210

Visualization of Shock Wave Diffraction on 3D Edge.

Zibarov, A. V., Babayev, D. B., Mironov, A. A., Komarov, I. J., Konstantinov, P. V., Medvedev, A. V. and Karpov, A. N., Vol. 6, No. 2 (2003) 94

Visualization of Taylor-Couette Vortex with a Short Annulus.

Kawai, H. and Takahashi, T., Vol. 6, No. 4 (2003) 323

Selection.

Yamamoto, Y. and Uemura, T., Vol. 6, No. 3 (2003) 263-272

A Novel Technique for Quantitative Temperature Mapping in Liquid by Measuring the Lifetime of Laser Induced Phosphorescence.

Hu, H. and Koochesfahani, M. M., Vol. 6, No. 2 (2003) 143-153

An Experimental Study on Swirling Flow in a 90 Degree Circular Tube by Using Particle Image Velocimetry.

Chang, T. H. and Lee, H. S., Vol. 6, No. 4 (2003) 343-352

Application of PIV to Over-expanded Supersonic Flows: Possibilities and Limits.

Ahn, K., Kim, J. H. and Yoon, Y., Vol. 6, No. 4 (2003) 353-361

Automotive Testing Using Pressure-Sensitive Paint.

Mébarki, Y., Cooper, K. R. and Reichert, T. M., Vol. 6, No. 4 (2003) 381-393

Chemically Reacting Liquid Round Jet.

Hong, S. D., Okamoto, K., Kim, H. J., Sugii, Y. and Madarame, H., Vol. 6, No. 3 (2003) 225-234

Comparisons of Wind Tunnel Experiments and Computational Fluid Dynamics Simulations.

Shen, Q., Uselton, S., and Pang, A., Vol. 6, No. 1 (2003) 31-39

Dependence of Aerodynamic Characteristics and Flow Pattern on Surface Structure of a Baseball.

Aoki, K., Kinoshita, Y., Nagase, J. and Nakayama, Y., Vol. 6, No. 2 (2003) 185-193

Flow Visualization of a Compound Swirl Jet with a Thick Rim.

Nozaki, T., Yoneta, M., Ochiai, T. and Kai, T., Vol. 6, No. 2 (2003) 135-142

Fluid Flow Visualization by Three-dimensionally Reconstructed Tracer Path Lines.

Machacek, M. and Rösgen, T., Vol. 6, No. 2 (2003) 115-124

"Fluid Plug" Microfluidic Valve for Low Reynolds Number Fluid Flow Selector Units.

Tesař, V., Vol. 6, No. 1 (2003) 77-85

Flying Characteristics and Flow Pattern of a Sphere with Dimples.

Aoki, K., Ohike, A., Yamaguchi, K. and Nakayama, Y., Vol. 6, No. 1 (2003) 67-76

Hierarchical Facial Data Modeling for Visual Expression Synthesis.

Zhang, Y., Prakash, E. C. and Sung, E., Vol. 6, No. 3 (2003) 313-320

Laser Flow Visualization and Velocity Fields by Particle Image Velocimetry in an Electrostatic Precipitator Model.

Mizeraczyk, J., Dekowski, J., Podliński, J., Kocik, M., Ohkubo, T. and Kanazawa, S., Vol. 6, No. 2 (2003) 125-133

Liquid Crystal Heat Transfer Measurements in a Rectangular Channel with Solid and Slit Rib.

Panigrahi, P. K. and Tariq, A., Vol. 6, No. 4 (2003) 407-416

Measurement on CO₂ Solution Density by Optical Technology.

Song, Y., Nishio, M., Chen, B., Someya, S. and Ohsumi, T., Vol. 6, No. 1 (2003) 41-51

Nanoparticle Coagulation in a Temporal Mixing Layer Mean and Size-selected Images.

Modem, S. and Garrick, S. C., Vol. 6, No. 3 (2003) 293-302

Numerical and Experimental Investigations on the Mach 2 Pseudo-Shock Wave in a Square Duct.

Sun, L. Q., Sugiyama, H., Mizobata, K. and Fukuda, K., Vol. 6, No. 4 (2003) 363-370

Numerical Simulation of the Inner Structure of a Two-phase Plume Formed in a Stratification Environment.

Chen, B., Song, Y., Nishio, M. and Someya, S., Vol. 6, No. 1 (2003) 9-20

Numerical Study of the Effects of the Rupture Process of a Secondary Diaphragm in Expansion Tubes.**Paper****3D Shape Reconstruction from Synthetic Images Captured by a Rotating Periscope System with a Single Focal Direction.**

Someya, S., Okamoto, K. and Tanaka, G., Vol. 6, No. 2 (2003) 155-164

A New Super-Resolution PIV Accelerated by Characteristic Pixel

- Kage, K., Ishimatsu, K. and Okubayashi, T., Vol. 6, No. 2 (2003) 107-114
- Pattern of Flow around a Sphere Oscillating an Neutrally Buoyancy Horizon in a Continuously Stratified Fluid.**
Chashechkin, Yu. D. and Levitskiy, V. V., Vol. 6, No. 1 (2003) 59-65
- Phenomenon of Labyrinth Seal with Low Static Pressure Difference and Large Clearance (Prediction of Performance and Experimental Result).**
Shimada, K., Kimura, K., Ohta, H. and Aoki, K., Vol. 6, No. 4 (2003) 395-405
- PIV Measurement of Toner Particle Motion in a Micro-gap in the Development Process of Electrophotography.**
Hirooka, N., Oba, S., Nakayama, N., Kawahashi, M. and Watanabe, M., Vol. 6, No. 2 (2003) 175-184
- PIV Measurement of Velocity Field in a Spray Combustor.**
Tomimatsu, S., Fujisawa, N. and Hosokawa, A., Vol. 6, No. 3 (2003) 273-281
- PIV Web Visualization System Toward PIV Visualization Grid.**
Kadooka, Y., Kobashi, H., Choi, J. W., Lee, Y. H. and Tago, Y., Vol. 6, No. 3 (2003) 283-291
- Planar Velocity Visualization in High-Speed Wedge Flow using Doppler Picture Velocimetry (DPV) compared with Particle Image Velocimetry (PIV).**
Seiler, F., Havermann, M., George, A., Leopold, F. and Srulijes, J., Vol. 6, No. 3 (2003) 253-262
- Preliminary Study of Two Immiscible Liquid Layers Subjected to a Horizontal Temperature Gradient.**
Someya, S., Munakata, T., Nishio, M. and Okamoto, K., Vol. 6, No. 1 (2003) 21-29
- Quantitative Measurements of Micro- and Macromixing in a Stirred Vessel using Planar Laser-Induced Fluorescence.**
Kling, K. and Mewes, D., Vol. 6, No. 2 (2003) 165-173
- Quasi-Real Time Bio Tissues Monitoring using Dynamic Laser Speckle Photography.**
Bazylev, N., Fomin, N., Hirano, T., Lavinskaya, E., Mizukaki, T., Nakagawa, A. Rubnikovich, S. and Takayama, K., Vol. 6, No. 4 (2003) 371-380
- Several Applications of Laser Diagnostics for Visualization of Combustion Phenomena.**
Chung, S. H., Vol. 6, No. 2 (2003) 95-106
- Temperature Correction of PSP Measurement Using Dual-Luminophor Coating.**
Mitsuo, K., Asai, K., Hayasaka, M. and Kameda, M., Vol. 6, No. 3 (2003) 213-223
- Three-dimensional Visualization of Diffusion Flame Shapes under Acoustic Excitation Using Stereoscopic Imaging and Reconstruction Technique.**
Ng, W. B., Salem, A. F. and Zhang, Y., Vol. 6, No. 4 (2003) 329-336
- Unseeded and Seeded PIV Measurements of River Flows Videotaped from a Helicopter.**
Fujita, I. and Hino, T., Vol. 6, No. 3 (2003) 245-252
- Visualization and Mass Transfer with a Bistable Two-Slot Impinging Jet.**
Trávníček Z. and Maršík F., Vol. 6, No. 4 (2003) 417-421
- Visualization and Numerical Analysis of Stress Waves in Blasting Process.**
Matsumoto, S., Nakamura, Y. and Itoh, S., Vol. 6, No. 3 (2003) 235-244
- Visualization of the Largescale Vortex Structures in Excited Turbulent Jets.**
Kopiev, V. F., Zaitsev, M. Yu., Inshakov, S. I. and Guriashkin, L. P., Vol. 6, No. 3 (2003) 303-311
- Visualization of Two-dimensional Vortex Flows in Thin Oscillating Liquid Films.**
Kiyashko, S. V. and Nazarovskiy, A. V., Vol. 6, No. 1 (2003) 53-58
- Visualization of Unsteady Shock Oscillations in the High-Enthalpy Flow Field around Double Cones.**
Jagadeesh, G., Hashimoto, T., Naitou, K., Sun, M. and Takayama, K., Vol. 6, No. 2 (2003) 195-203
- Visualization Studies using PIV in a Cylindrical Tank with and without Vortex Suppressor.**
Mizuki, S., Gowda, B. H. L. and Uchibaba, T., Vol. 6, No. 4 (2003) 337-342