

### ***Journals***

- 3-D PTV Measurement of Bubble-Bubble Interaction in Free Rising Bubble Flow  
Y.Murai, M.Ishikawa, M.Ashihara, K.Kinugawa, F.Yamamoto  
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- Numerical Simulation of Bubbles Rising Through Densely Arranged Cylinders  
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Japanese Journal of Multiphase Flow, Vol.17, No.3, pp.296-304 (2003)
- Numerical Simulation & Experimental Study of Gas-Liquid Three-Phase Flow in Aeration Tank  
W.Cheng, X.Zhou, C.Song, T.Min, Y.Murai, F.Yamamoto  
Journal of Hydrodynamics, China Ocean Press, Ser.B, Vol.15, No.4, pp.118-123 (2003)
- An Algorithm for Estimating Liquid Flow Field From PTV Data of Bubble Motion  
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- Absolute Instability Analysis of the Vortical Structure in the Rectangular Plate Wake  
Y. Tasaka, H. Ishikawa, O. Mochizuki, M. Kiya  
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- Visualization of Bubbly Flow Rising Through Cylinders in Confined Plates  
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Trans. JSME, Ser.B, Vol.70, No.689, pp.60-68 (2004)

### ***International Conference Papers***

- Oscillating Taylor-Couette Flow  
D. Takada, Y. Takeda  
13<sup>th</sup> Couette-Taylor Workshop, Published as "Nonlinear Dynamics in Fluids" edited by F. Marqués & A. Meseguer, pp.69-72 (2003)
- Experimental Study on the Natural Convection induced by Internal Heating  
Y. Tasaka, Y. Kudoh, K. Yonekura, Y. Takeda  
Bulletin of 56<sup>th</sup> Annual Meeting of DFD, APS, Vol. 48, No. 10, pp.135-135 (2003)
- Temperature Behavior of the Natural Convection induced by Internal Heating  
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Bulletin of 56<sup>th</sup> Annual Meeting of DFD, APS, Vol. 48, No. 10, pp.73-74 (2003)
- Computer Tomographic Analysis of Slug Flow Structure in a Helical Coil Tube  
M.Ishikawa, Y.Murai, K.Sakai, S.Toda, K.Tamayama, F.Yamamoto  
Proc. 11th Int. Conf. Nuclear Engineering (ICONE-11) No.36302, pp.1-8 (2003)
- A Study on the Analysis of Temperature Field of Bubbly Flow  
D.S.Bae, P.R.Long, O.B.Kwon, N.S.Kim, Y.Murai, F.Yamamoto  
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- PIV Measurement of Bubbly Flow Induced by Alkaline Water Electrolysis  
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- Y.Murai, T.Sasaki, M.Ishikawa, F.Yamamoto  
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- Measurement of Effective Viscosity in Bubbly Flow Using Free-Falling Sphere  
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- 3-D Measurement and Post-Processing for Flow Around an Object  
T.Ido, H.Shimizu, Y.Nakajima, Y.Murai, F.Yamamoto  
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- Two-Frame PTV Based on Gaussian-Filtered Interrogation and Its Application to a Continuous  
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- Shallow Focal Particle Image Velocimetry for Bubbly Flows in a Wall Boundary Layer  
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