Preprints of Domestic Conferences

Onset of MWV in a Rotating Couette System
D. Takada, K. Masumoto, Y. Takeda

Stability of Natural Convection in a Horizontal Layer induced by Internal Heating – Effect of Distribution of Heat Generation –
Y. Tasaka, Y. Takeda

Experiment on Natural Convection in a Horizontal Layer Induced by Internal Heat Generation
Y. Kudoh, Y. Tasaka, K. Yonekura, Y. Takeda

Spatiotemporal Behavior of the Precessing Jet
H. Kitaura, Y. Sugawara, Y. Tasaka, Y. Takeda

A Transition Scheme of a Spatial Structure in the Axisymmetric Sudden Expansion Flow
N. Furuichi, Y. Takeda, M. Kumada

Multiline Flow Rate Measurement Using Ultrasonic Doppler Method
S. Wada, H. Kikura, M. Aritomi, Y. Takeda, M. Mori

A New Algorithm for Low Velocity Measurement by UVP
N. Tadata, Y. Takeda, Y. Tasaka

Sound Speed Measurement of PCM Micro Emulsion Slurry
D. Vuarnoz, Y. Tasaka, Y. Takeda, H. Inaba

Accurate Measurement of Overflow Coefficient by UDM
N. Kashiwaguma, Y. Takeda, T. Ohkubo, J. Nagao

Development of Telemetrology System with UDM
T. Ohkubo, J. Nagao, Y. Takeda, H. Tezuka, M. Mori

Transmission Characteristics of Ultrasonic Waves in Fine Particles of Phase-Change Material-Water Slurry
D. Vuarnoz, Y. Tasaka, Y. Takeda, H. Inaba, A. Horibe, N. Haruki

Visualization of Particle Behavior in an Artificially Generated Tornado
Y.Ueno, Y.Murai, F.Yamamoto

Reynolds Number Dependency of Three-Dimensional Bubble-Bubble Interaction
J. Qu, Y.Murai, F.Yamamoto

Visualization of Gas-Liquid Two-Phase Flow in Parallel Helical Tubes
M.Ishikawa, K.Sakai, Y.Murai, S.Toda, S.Yoshikawa, F.Yamamoto

Formulation of Effective Viscosity of Bubbly Liquids by Falling Sphere Method
H.Oiwa, Y.Murai, F.Yamamoto

PIV Measurement of Bubble Motion in Unstable Bubble Plume
W.Cheng, T.Sasaki, Y.Murai, F.Yamamoto

Flow Characteristics of Two-Phase flow in Alkalic Water Electrolysis
T.Sasaki, N.Nagai, Y.Murai, F.Yamamoto

Bubble Behavior in Horizontal Turbulent Channel Flow
Y.Oishi, Y.Murai, F.Yamamoto

Flow Characteristics of Gas-Liquid Two-Phase Flow in Helical Tubes
K.Sakai, Y.Murai, S.Toda, S.Yoshikawa, M.Ishikawa, F.Yamamoto

Measurement of Effective Viscosity of Bubbly Liquids Using Concentric Cylinders
H.Oiwa, K.Mitta, M.Ishikawa, Y.Murai, F.Yamamoto

Influence of Wall Inclination Angle for Drag of Wall Sliding Bubbles
M.Ashihara, A.Kitagawa, Y.Murai, F.Yamamoto

Estimation of Pressure Field Around a Savonius Windmill
Y.Nakajima, Y.Murai, T.Ido, F.Yamamoto

PTV of Near-Wall Bubbles in a Horizontal Channel Flow
Y.Oishi, Y.Murai, M.Ishikawa, F.Yamamoto

On Modification of Shear Stress in Bubbly Liquids
Y.Murai, H.Oiwa, F.Yamamoto

Liquid Driven Mechanism in Aeration Process
Y.Murai

Modification Mechanism of Shear Stress in Gas-Liquid Two-Phase Flow
H.Oiya, Y.Murai, F.Yamamoto

Numerical Analysis of Two-Phase Flow Considering Bubble Deformation
M.Shimizu, H.Oiya, Y.Murai, F.Yamamoto

Application of Particle Tracking Velocimetry to Multiphase Flows (Keynote speech)
Y.Murai, F.Yamamoto

Experimental Study on Bubble Behavior Contributing to Frictional Drag Reduction
Y.Murai, H.Oiya, Y.Ooishi, F.Yamamoto

Spatio-temporal Measurement of Flow Field Using Ultrasound Doppler Method and its Application
to Flow Structure Analysis
   Y. Takeda, G. King
An Analysis of a Flow Structure of a Separated and Reattachment Flow Using Proper Orthogonal Decomposition
   N. Furuichi, Y. Takeda, M. Kumada
Spatio-Temporal Continuation of Discrete Data Obtained by PTV
   Y. Murai, Y. Takeda
Development of flow rate and flow profile measurement using ultrasonic Doppler method (20)
Number of Measurement Point and Estimated Error
   T. Ohkubo, Y. Takeda, M. Mori, K. Tezuka, H. Tezuka