

Contents

Vol. 26, No. 3, 2017

A simultaneous English language translation of this journal is available from Pleiades Publishing, Ltd.
Distributed worldwide by Springer. *Journal of Engineering Thermophysics* ISSN 1810-2328.

Wall Shear Stress from Single Almost Spherical and Long Taylor Bubbles in Laminar upward Tube Flow <i>V. E. Nakoryakov, L. S. Timkin, and R. S. Gorelik</i>	303
Oxidation of Hydrogen Sulfide and Corrosion of Stainless Steel in Gas Mixtures Containing H ₂ S, O ₂ , H ₂ O, and CO ₂ <i>A. A. Vostrikov, O. N. Fedyaeva, A. V. Shishkin, and M. Ya. Sokol</i>	314
Application of the Planar Laser-Induced Fluorescence Method to Determine the Temperature Field of Water Droplets under Intensive Heating <i>R. S. Volkov, G. V. Kuznetsov, and P. A. Strizhak</i>	325
Laminar Free Convection Heat Transfer and Separated Flow Structure in a Vertical Channel with Isothermal Walls and Two Adiabatic Opposing Fins <i>V. I. Terekhov, A. L. Ekaid, and Kh. F. Yassin</i>	339
Heat Transfer in Boiling of Refrigerant R-21 in a Downward Flow in an Assembly of Minichannels <i>V. V. Kuznetsov, S. V. Dimov, and A. S. Shamirzaev</i>	353
Thermal Regime of Slotted Channel with Moving Incompressible Liquid under Microwave Conditions <i>A. V. Salomatov and V. V. Salomatov</i>	359
Opposite Radiators Used for Thermostabilizing of X-Ray Detectors of the All-Sky Monitor to be Installed on the ISS <i>D. V. Serbinov, N. P. Semena, and M. N. Pavlinsky</i>	366
Experimental and Numerical Study of Heat Transfer Enhancement in a Turbulent Bubbly Flow in a Sudden Pipe Expansion <i>P. D. Lobanov and M. A. Pakhomov</i>	377
Capillary Hysteresis in a Confined Swirling Two-Fluid Flow <i>I. V. Naumov, B. R. Shariḡullin, and V. N. Shtern</i>	391
Chemical Reaction Effects on MHD Rotating Fluid over a Vertical Plate Embedded in Porous Medium with Heat Source <i>F. Mabood, S. M. Ibrahim, and G. Lorenzini</i>	399
Experimental Investigation on Burner Lip Thickness Effect on the Liftoff and Blowout Velocities of Jet Diffusion Flame <i>Y. Yan, T. H. Ye, and N. P. Jiang</i>	416
Numerical Investigation of Subcooled Boiling Characteristics of Magnetic Nanofluid under the Effect of Quadrupole Magnetic Field <i>M. Mohammadpourfard, H. Aminfar, and M. Karimi</i>	427
