

TABLE OF CONTENTS

Volume 3 Number 4

December 2013

Study on Stack Effect of Stairwell by Numerical Model of Leakage Flow through Gap of Door

J.-Y. Kim, J.-S. Kim.....241

Mechanical Analysis of Viscous-Elastic Fluid Acting on Residual Oil in the Micro Pore

L. L. Liu, C. Yu, L. H. Wang, C. C. Y. Fu, P. X. Li.....248

Numerical Analysis of the Losses in Unsteady Flow through Turbine Stage

S. Dykas, W. Wróblewski, D. Machalica.....252

Study on the Wake Shape behind a Wing in Ground Effect Using an Unsteady Discrete Vortex Panel Method

C. Han, S. A. Kinnas.....261

Numerical Simulation of Hydraulic Transport of Sand-Water Mixtures in Pipelines

C. Kim, C. Han.....266

MHD Effect on an Oscillatory Mixed Convective Flow Past an Infinite Vertical Porous Plate with Radiation

N. Ahmed, S. Sinha.....271

MHD Transient Flow with Hall Current Past an Accelerated Horizontal Porous Plate in a Rotating System

N. Ahmed, J. K. Goswami, D. P. Barua.....278

Effect of Laryngopharyngeal Anatomy on Expiratory Airflow and Submicrometer Particle Deposition in Human Extrathoracic Airways

X. Si, J. Xi, J. Kim.....286

Performance Evaluation of Heat Exchangers in OTEC Using Ammonia/Water Mixture as Working Fluid

T. Morisaki, Y. Ikegami.....302

Near Wake of a Horizontal Circular Cylinder in Stably Stratified Flows

Y. Ohya, T. Uchida, T. Nagai.....311

Direct Numerical Simulation of a Jet Issuing from Rectangular Nozzle by the Vortex in Cell Method

T. Uchiyama, M. Kobayashi, S. Iio, T. Ikeda.....321

Experimental and Numerical Study of Dilute Gas-Solid Flow inside a 90° Horizontal Square Pipe Bend

W. A. Aissa, T. A. M. Mekhail, S. A. Hassanein, O. Hamdy.....331

A New Large Scale Instability in Rotating Stratified Fluids Driven by Small Scale Forces

A. Tur, M. Chabane, V. Yanovsky.....340

The figure on the front cover is from the article published in Open Journal of Fluid Dynamics, 2013, Vol. 3, No. 4, pp. 311-320 by Yuji Ohya, *et al.*