

# Table of Contents

**Volume 7    Number 1**

**March 2017**

<b>Thermal Radiation Effect on the MHD Turbulent Compressible Boundary Layer Flow with Adverse Pressure Gradient, Heat Transfer and Local Suction</b>	
M. Xenos.....	1
<b>A Study on the Half-Ducted Axial Flow Fan Designed by a Diagonal Flow Fan Design Method</b>	
A. Kaji, Y. Kinoue, N. Shiomi, T. Setoguchi.....	15
<b>Non-Dimensional Values for Convergence of Lift Prediction Using Panel Method</b>	
R. I. Fernando, C. C. Pablo.....	26
<b>Flow Diagnosis and Optimization Based on Vorticity Dynamics for Transonic Compressor/Fan Rotor</b>	
H. L. Chen, M. G. Turner, K. Siddappaji, S. M. H. Mahmood.....	40
<b>Effect on the Flow Behaviors by Adding Internals in a Riser Reactor</b>	
L. H. Feng, Y. F. Bu, J. Wang, Y. Mao, Z. W. Men.....	72
<b>Algebraic Calculation Method of One-Dimensional Steady Compressible Gas Flow</b>	
A. Tolmachev.....	83
<b>Numerical Study of 2-D Natural Convection in a Square Porous Cavity: Effect of Three Mode Heating</b>	
G. E. B. Malomar, C. Mbow, P. D. Tall, A. Gueye, V. B. Traore, A. C. Beye.....	89
<b>Effects of Inflow Conditions on Wind Turbine Performance and near Wake Structure</b>	
M. Khan, Y. Odemark, J. H. M. Fransson.....	105