

TABLE OF CONTENTS

Volume 3 Number 2

June 2013

Effects of Viscous Dissipation on MHD Natural Convection Flow along a Vertical Wavy Surface with Heat Generation

K. H. Kabir, M. A. Alim, L. S. Andallah.....91

Computational Modeling of Government Policy to Attain Long-Term Higher Voter Turnout for Sustainable Democracy

M. Rahman.....99

On the Total Dynamic Response of Soil-Structure Interaction System in Time Domain Using Elastodynamic Infinite Elements with Scaling Modified Bessel Shape Functions

K. Kazakov.....104

New Improved Variational Homotopy Perturbation Method for Bratu-Type Problems

O. E. Abolarin.....110

Error Estimation and Assessment of an Approximation in a Wavelet Collocation Method

M. Schuchmann, M. Rasgulajew.....114

A Three-Stage Multiderivative Explicit Runge-Kutta Method

A. S. Wusu, M. A. Akanbi, S. A. Okunuga.....121

A Wavelet Multigrid Method Using Symmetric Biorthogonal Wavelets

D. De Leon.....127

Computational Studies of Reaction-Diffusion Systems by Nonlinear Galerkin Method

M. Kolář.....137

Computational Studies of Bacterial Colony Model

O. Pártl.....147

Eigenvector Sensitivity: A Kharitonov Result

V. Winstead.....158

Four Steps Continuous Method for the Solution of $y'' = f(x, y, y')$

A. O. Adesanya, M. R. Odekunle, M. O. Udoh.....169

The figure on the front cover is from the article published in American Journal of Computational Mathematics, 2013, Vol. 3, No. 2, pp. 104-109 by Konstantin Kazakov.