

Table of Contents

Volume 5 Number 13

July 2014

Application of the Method of Characteristics to Population Balance Models Considering Growth and Nucleation Phenomena

- S. M. Rehman, S. Qamar.....1853

Measuring Dependence Risk of Funds with Copula in China

- J. Q. Tang, G. H. Sun.....1863

Empirical Determination of the Tolerable Sample Size for Ols Estimator in the Presence of Multicollinearity (ρ)

- O. O. Alabi, T. O. Olatayo, F. R. Afolabi.....1870

Fourier and Wavelet Spectral Analysis of EMG Signals in 1-km Cycling Time-Trial

- M. Bigliassi, P. R. Scalassara, T. F. D. Kanthack, T. Abrão, A. C. de Moraes, L. R. Altimari.....1878

Study of Stability Analysis for a Class of Fourth Order Boundary Value Problems

- C. Bala Rama Krishna, P. S. Rama Chandra Rao.....1887

Block Matrix Representation of a Graph Manifold Linking Matrix Using Continued Fractions

- F. I. Becerra López, V. N. Efremov, A. M. Hernandez Magdaleno.....1894

Global 1 Estimation of the Cauchy Problem Solutions to the Navier-Stokes Equation

- A. Durmagambetov, L. Fazilova.....1903

Mathematical Analysis of a Large Scale Vector SIS Malaria Model in a Patchy Environment

- J. Wairimu, S. Gauthier, W. Ogana.....1913

A New Approach for the Exact Solutions of Nonlinear Equations of Fractional Order via Modified Simple Equation Method

- M. Younis.....1927

Dividend Payments with a Hybrid Strategy in the Compound Poisson Risk Model

- P. Li, C. C. Yin, M. Zhou.....1933

Changing the Paradigm

- R. W. Nielsen.....1950

Entrance Region Flow of Herschel-Bulkley Fluid in an Annular Cylinder

- R. G. Pai, A. Kandasamy.....1964

Positive Definite Solutions for the System of Nonlinear Matrix Equations $X + A^*Y^{-n}A = I$, $Y + B^*X^{-m}B = I$

- S. M. El-Sayed, A. M. Al-Dubiban.....1977

Asymptotic Estimates for Second-Order Parameterized Singularly Perturbed Problem

M. Kudu.....1988

Local Search-Inspired Rough Sets for Improving Multiobjective Evolutionary Algorithm

A. A. EL-Sawy, M. A. Hussein, E.-S. M. Zaki, A. A. Mousa.....1993

Reliability Analysis of a Powerloom Plant Using Interval Valued Intuitionistic Fuzzy Sets

S. K. Tyagi.....2008

Solution of Multi-Delay Dynamic Systems by Using Hybrid Functions

K. Maleknejad, R. Ezzati, T. Damercheli.....2016

A Trivariate Causality Test: A Case Study in Cameroon

J. G. Tamba, F. D. Koffi, M. Lissouck, M. Ndame, N. E. Afuoti.....2028

A Semi-Analytical Method for Solutions of a Certain Class of Second Order Ordinary Differential Equations

S. O. Edeki, H. I. Okagbue, A. A. Opanuga, S. A. Adeosun.....2034

Coordinated Control of Traffic Signals for Multiple Intersections

L. Q. Fan.....2042

Heavy-Tailed Distributions Generated by Randomly Sampled Gaussian, Exponential and Power-Law Functions

F. von Wegner.....2050

Truncated Geometric Bootstrap Method for Time Series Stationary Process

T. O. Olatayo.....2057

Wavelet Density Estimation of Censoring Data and Evaluate of Mean Integral Square Error with Convergence Ratio and Empirical Distribution of Given Estimator

M. Afshari.....2062

A Method to Simulate the Skew Normal Distribution

D. Ghorbanzadeh, L. Jaupi, P. Durand.....2073

An Error Controlled Method to Determine the Stellar Density Function in a Region of the Sky

M. A. Sharaf, Z. A. Mominkhan.....2077

Influence of the Domain Boundary on the Speeds of Traveling Waves

L. X. Ma, J. L. Tan.....2088

Empirical Study on Credit Risk of Our Listed Company Based on KMV Model

L. Lin, T. Lou, N. Zhan.....2098