

Table of Contents

Volume 5 Number 11

November 2017

On the Crucial Role of the Variational Principle in Quantum Theories

E. Comay.....2093

Research on Refined Oil Distribution Plan Based on Dynamic Time Window

Q. Liu, L. H. Wang, L. Yu.....2104

**New Results of Global Asymptotical Stability for Impulsive Hopfield
Neural Networks with Leakage Time-Varying Delay**

Q. Xi.....2112

**Variational Formulations Yielding High-Order Finite-Element
Solutions in Smooth Domains without Curved Elements**

V. Ruas.....2127

**Air Pollutant Emissions in the Fukui-Ishibashi and
Nagel-Schreckenberg Traffic Cellular Automata**

A. Salcido, S. Carreón-Sierra.....2140

**Simplest Method for Calculating the Lowest Achievable Uncertainty
of Model at Measurements of Fundamental Physical Constants**

B. Menin.....2162

A New Job Shop Heuristic Algorithm for Machine Scheduling Problems

M. Ehsaei, D. T. Nguyen.....2172

A Growth Framework Using the Constant Elasticity of Substitution Model

P. Bhattacharya.....2183

**Stability Analysis of a Numerical Integrator for Solving
First Order Ordinary Differential Equation**

S. O. Ayinde, A. A. Obayomi, F. S. Adebayo.....2196

**Positive Radial Solutions for a Class of Semilinear Elliptic Problems
Involving Critical Hardy-Sobolev Exponent and Hardy Terms**

Y.-Y. Lan.....2205

A Quadratic Programming with Triangular Fuzzy Numbers

S. M. Mirmohseni, S. H. Nasser.....2218

Sign-Changing Solutions for Discrete Dirichlet Boundary Value Problem

Y. H. Long, B. L. Zeng.....2228

Topological Modelling of Deep Ulcerations in Patients with Ulcerative Colitis

I. Morilla, M. Uzzan, D. Cazals-Hatem, H. Zaag, E. Ogier-Denis, G. Wainrib, X. Tréton.....2244

A Mathematical Model to Analyze Spread of Hemorrhagic Disease in White-Tailed Deer Population

G. Baygents, M. Bani-Yaghoub.....2262

Bianchi Type-V Cosmological Models for Perfect Fluid with Time-Varying Gravitational and Cosmological Constant

M. A. Ullah, M. A. Hossain, M. M. Alam.....2283

Application of Improved Artificial Bee Colony Algorithm in Urban Vegetable Distribution Route Optimization

Z. Z. Zhang, L. H. Wang.....2291

Modification of Even-A Nuclear Mass Formula

J. Y. Zhang.....2302