

Table of Contents

Volume 2 Number 13

December 2014

Multifractal Analysis of the Asymptotically Additive Potentials

- L. Xu, L. Yang.....1139

Obtaining a New Representation for the Golden Ratio by Solving a Biquadratic Equation

- L. Mondaini.....1149

A Survey of the Implementation of Numerical Schemes for the Heat Equation Using Forward Euler in Time

- P. P. Cárdenas Alzate.....1153

Some Construction Methods of A-Optimum Chemical Balance Weighing Designs

- R. Awad, S. Banerjee.....1159

A Generalization of Ince's Equation

- R. Moussa.....1171

Euler-Lagrange Elasticity with Dynamics

- H. H. Hardy.....1183

Spin Glass Phase Exists in the Random Weak Disorder for the Villain Model

- M. Y. Ali, S. Dhar.....1190

A Multi-Secret Sharing Scheme with Many Keys Based on Hermite Interpolation

- T. Adachi, C. Okazaki.....1196

The Rise of Solitons in Sine-Gordon Field Theory: From Jacobi Amplitude to Gudermannian Function

- L. Mondaini.....1202

Regression-Tensor Modeling of Multivariate Optimization of Process for Applying Metal Coatings

- V. A. Rusanov, S. V. Agafonov, S. N. Dumnov, A. V. Daneev, S. V. Lyamin.....1207

On the Cauchy Problem for Von Neumann-Landau Wave Equation

- C. Y. Liu, M. M. Liu.....1224

Comparison of Simulation Methods of Ion-Atomic Collisions in PIC-MC

- V. Sysun, A. Sysun, V. Ignakhin, V. Titov, A. Tikhomirov.....1233

Reliability Modelling and Analysis of Redundant Systems Connected to Supporting External Device for Operation Attended by a Repairman and Repairable Service Station

- I. Yusuf, R. S. Said, F. S. Koki, M. Babagana.....1242