

Table of Contents

Volume 5 Number 5

May 2017

The Unified Description of a Solution-Particle

T. Nemauro.....991

A Short Discussion on the Gravitational Redshift in the Light of an Alleged Local Variability of the Planck Constant

C. Cataldo.....1001

Decay Mode Solutions to (2 + 1)-Dimensional Burgers Equation, Cylindrical Burgers Equation and Spherical Burgers Equation

X. Z. Li, J. L. Zhang, M. L. Wang.....1009

Foucault Pendulum and Other Coriolis Effects in Inertial Frames

P. Mohazzabi.....1016

Stochastic Modelling of Solution Particle Movement: An Individual Case of Coupled Concentration Gradient Dependent and Independent Movements of Efavirenz

T. Nemauro.....1027

Entanglement vs. Correlation in Quantum Theory

A. F. Kracklauer.....1035

Intelligent Urban Sustainable Development Plan

Z. Q. Ku, T. Liao.....1044

Numerical Computation of Structured Singular Values for Companion Matrices

M.-U. Rehman, S. Tabassum.....1057

A Frequency-Equivalent Scale-Free Derivation of the Neutron, Hydrogen Quanta, Planck Time, and a Black Hole from 2 and π ; and Harmonic Fraction Power Laws

D. Chakeres, R. Vento, V. Andrianarijaona.....1073

Towards a Field Theoretical Stochastic Model for Description of Tumour Growth

L. Mondaini.....1092

Electromagnetic Self-Force Mechanisms and Origin of R^{-1} Term

S. Fathi, H. Razavi.....1099

Normalized Area Solar Cell and Potential Applications

M. Pasquini, J.-J. Simon, J. L. Rouzo, F. Flory, L. Escoubas.....1106

The Work of a Normal Force

P. Mohazzabi.....1113

On the Kinematics for the Closed Planar Homothetic Inverse Motions in Complex Plane

O. Sener, A. Tutar.....1120

Study of Wavelet Methodology and Chaotic Behavior of Produced Particles in Different Phase Spaces of Relativistic Heavy Ion Collisions

M. A. Ahmad, V. V. Lyashenko, Z. V. Deineko, J. H. Baker, S. Ahmad.....1130

The Global Analysis of a Stochastic Two-Scale Network Epidemic Dynamic Model with Varying Immunity Period

D. Wanduku, G. S. Ladde.....1150

Playing Rock, Paper, Scissors in Non-Transitive Statistical Thermodynamics

G. S. Levy.....1174

Research on Smart Growth of Sustainable Cities Based on Information Entropy and Super-Efficiency DEA Model

X. M. Lv, S. K. Zhang, A. Li, J. B. Li.....1198