

Table of Contents

Volume 5 Number 17

November 2014

Numerical Investigation of a UCN Source Based on Solid Deuterium by Combining a Simulation Code with an Analytical Approach	
H. Mohammadi, M. M. Firoozabadi, R. Gheisari.....	1831
On Motion, Its Relativity and the Equivalence Principle	
G. Barceló.....	1839
The Origins of Bosons and Fermions	
S. X. Ren.....	1848
Long-Period InAs/GaSb Type-II Superlattices for Terahertz Application	
L. L. Li, J. Ni, W. Xu.....	1880
Presence of Multifractality in High-Energy Nuclear Collisions	
M. I. Haque, M. Tariq, T. Hussain.....	1889
Spin-Dependent Transport in Carbon Nanotubes with Chromium Atoms	
S. P. Repetsky, O. V. Tretyak, I. G. Vyshivanaya, D. K. Cheshkovskiy.....	1896
Gauge Invariant Massive Long Range and Long Lived Photons	
G. G. Nyambuya.....	1902
Motion Law of Graviton in Three-Dimensional Space and Its Influence on Star Distribution of Spiral Galaxy	
P. A. Luo.....	1910
Revisiting Galactic Rotation Curves Given a Noncommutative-Geometry Background	
P. K. F. Kuhfittig, V. D. Gladney.....	1931
A Study of Some Properties of Bottomonium	
A. M. Yasser, G. S. Hassan, T. A. Nahool.....	1938
On the Dynamics of the Ensemble of Particles in the Thermodynamic Model of Gravity	
M. Gogberashvili.....	1945
Self Organised Criticality in Dilute Lattice	
A. B. Acharyya.....	1958
Three Generations of Particles Are Necessary for Our Universe as Well as the Next Level of Matter	
V. Burdyuzha.....	1963
Investigation of the Temperature Dependence of the Oscillation of the Magnetic Susceptibility in Semiconductors	
G. Gulyamov, U. I. Erkaboev, N. Yu. Sharibaev.....	1974
Asymmetrical Genesis by Remanufacture of Antielectrons	
D. J. Pons, A. D. Pons, A. J. Pons.....	1980