

Table of Contents

Volume 5 Number 4

October 2019

Black Hole Clusters: The Dark Matter

K. Dalton.....989

A Fourier Series Proof That the Axial like the Transverse Optical Doppler Shift Impacts Time and Information Rates

S. Reich.....992

Effect of Doppler Shifts on Photon and Particle Flux of Beams

S. L. Reich.....995

Dark Matter Cosmology and Astrophysics

V. S. Netchitailo.....999

On the Jebesen-Birkhoff Theorem in a Born-Infeld Type Theory of Gravity

T. de Oliveira Rosa, M. E. X. Guimarães, R. Pascale Neto, J. L. Neto.....1051

Energy Electromagnetic Force Equivalence, $E = F_e \times r$

G. Poole.....1057

Theory of Electro Relativity

G. Poole.....1063

An Equivalence for Both Coulombian and Gravitational Interactions

C. D'Errico.....1068

The 6.7 keV Line Emission from the Stellar Flare of Algol

A. C. Eze, S. Esaenwi, A. I. Chima.....1090

Why Zeldovich Failed to Estimate the Precise Value of Cosmological Constant in Planck Unit?

K. Chandra.....1098

The Magnetoquasistatic Field and Gravity, $g = Gc^4\tau/\pi r^3$

G. Poole.....1105

A Simple Explanation for the Higgs-Mechanism Given by a Modified Kronig-Penney-Model

C. Wochnowski.....1112

The Bare and Dressed Masses of Quarks in Pions via the of Quarks' Geometric Model

G. Guido.....1123

On Discrete Cosmology, Gravitation and Mechanics

J. Alcauza.....1150

Critique of Momentum, Mass and Time in Relativity

S. L. Reich, W. G. Perera.....1183