

Table of Contents

Volume 8 Number 1

March 2018

Constraints on Neutrino Masses from Baryon Acoustic Oscillation Measurements

B. Hoeneisen.....1

Newton's and Einstein's Gravity in a New Perspective for Planck Masses and Smaller Sized Objects

E. G. Haug.....6

Compatibility of the Observed Rotation Parameters of Radio Pulsars on Long Time Scales

A. E. Avramenko, B. Y. Losovsky, V. D. Pugachev, T. V. Shabanova.....24

A Spherical Relativistic Anisotropic Compact Star Model

P. C. Fulara, A. Sah.....46

Mass of the Universe and the Redshift

R. P. Gupta.....68

Multiphase ISM in Nearby Early Type Galaxy IC 5063

B. T. Tate, A. T. Kyadampure, S. K. Pandey, M. K. Patil.....79

Mass Distribution in Space-Time and Conception about Space-Time-Mass Continuum

R. Singh.....94

Quantum Locking and the Meissner Effect Lead to the Origin and Stability of the Saturn Rings System

V. V. Tchernyi (Cherny), A. Yu. Pospelov.....104

Higher-Order Corrections for the Deflection of Light around a Massive Object. Diagonal Padé Approximants and Ray-Tracing Algorithms

C. Rodriguez, C. Marín.....121