

## **Table of Contents**

## Volume 4 Number 2

## April 2018

Anisotropic Behavior of Cosmological Models with Exponential and Hyperbolic Scale Factors
F. M. Esmaeili
How to Determine Initial Starting Time Step with an Initial Hubble Parameter H = 0 after Formation of Causal Structure Leading to Investigation of the Penrose Weyl Tensor Conjecture
A. W. Beckwith
Measurement Quantization Unites Classical and Quantum Physics
J. A. Geiger
Cosmic String Theory: Gravity and Tension
G. Poole
How to Determine a Jump in Energy Prior to a Causal Barrier, with an Attendant Current, for an Effective Initial Magnetic Field. In the Pre Planckian to Planckian Space-Time
A. W. Beckwith
How Does a Setting of the Vacuum Energy Density, as Given Today, Lead to an Initial Hubble Radius for the Early Universe, <i>i.e.</i> How Does the Early Universe Partly Mimic a Black Hole?
A. W. Beckwith
Was Polchinski Wrong? Colombeau Distributional Rindler Space-Time with Distributional Levi-Cività Connection Induced Vacuum Dominance. Unruh Effect Revisited
J. Foukzon, A. Potapov, E. Men'kova