

Table of Contents

Volume 3 Number 3

July 2017

Mathematical Overview of Hypersphere World-Universe Model

V. S. Netchitailo.....415

Limit Treatment of Space-Time Foam Calculations If Non Pathological Big Bang Singularity Is Accessible to Modified Einstein Equations

A. Beckwith.....438

How a Minimum Time Step and Formation of Initial Causal Structure in Space-Time Is Linked to an Enormous Initial Cosmological Constant

A. W. Beckwith.....454

Isolating a Minimum Radius of the Universe Consistent with the Production of at Least 1 Unit of Entropy, at the Start of Inflation

A. W. Beckwith.....461

Cosmic Initial Singularities in a Single Repeating Universe as Opposed to Their Behavior in a Multiverse

A. Beckwith.....467

How a Minimum Time Step Leads to a Causal Structure Used to Form Initial Entropy Production and High Frequency Gravitons, with 7 Subsequent Open Questions

A. W. Beckwith.....493

On the Structure of Electrons and Other Charged Leptons

M. E. Shulman.....503

The Creation of Neutron Stars and Black Stars with Extensions of the Chandrasekhar Limit

D. P. Clark.....522