

## Table of Contents

Volume 4 Number 4

December 2014

### Reply to “Comments on ‘There Is No Axiomatic System for the Quantum Theory’”

- K. Nagata.....195

### Tailoring Quantum Correlations of a Coupled Central Two Qubits Soaked in a Finite Temperature Antiferromagnetic Environment with Frequency Gap

- L. C. Fai, N. E. Afuoti, G. C. Fouokeng, J. C. N. Kueteche, M. Tchoffo.....201

### Time Dependent Entropy and Decoherence in a Modified Quantum Damped Harmonic Oscillator

- F. B. Pelap, A. Fomethe, A. J. Fotue, M. P. Djemmo Tabue.....214

### Causality Is Logically Definable—Toward an Equilibrium-Based Computing Paradigm of Quantum Agents and Quantum Intelligence (QAQI) (Survey and Research)

- W.-R. Zhang, K. E. Peace.....227

### Circular Scale of Time as a Way of Calculating the Quantum-Mechanical Perturbation Energy Given by the Schrödinger Method

- S. Olszewski.....269

### From $E = mc^2$ to $E = mc^2/22$ —A Short Account of the Most Famous Equation in Physics and Its Hidden Quantum Entanglement Origin

- M. S. El Naschie.....284

### Three-Party Simultaneous Quantum Secure Communication Based on Closed Transmission Loops

- X. R. Yin.....292