

Table of Contents

Volume 4 Number 2

June 2014

Cosmic Dark Energy from 't Hooft's Dimensional Regularization and Witten's Topological Quantum Field Pure Gravity

- M. S. El Naschie.....83

Compatibility of Quantum Entanglement with the Special Theory of Relativity

- B. Ritchie.....92

Local Implementations of Non-Local Quantum Gates in Linear Entangled Channel

- D. Saha, S. Nandan, P. K. Panigrahi.....97

Quantum Discord of a Two-Qubit Anisotropy XXZ Heisenberg Chain with Dzyaloshinskii-Moriya Interaction

- N. Zidan.....104

The Capacity of a Channel with an Image as the Information Source

- L. B. Levitin, T. Toffoli.....111

Toward Efficient Quantum Key Distribution Reconciliation

- N. Benletaief, H. Rezig, A. Bouallegue.....117