

Table of Contents

Volume 10 Number 9

September 2022

Bose-Einstein Condensates and Atomic and Electron Lasers Including Atomic Laser in the self-Consistent Gravitation Field

B. V. Alexeev 2581

Atomic Spacetime Model Based on Atomic AString Functions

S. Yu. Eremenko 2604

Local Dynamics of a New Four-Dimensional Quadratic Autonomous System

S. G. Hu, L. Q. Zhou 2632

The Maximum Ordinality Principle (MOP) and Its Formal Language, *Namely* the “*Incipient*” Differential Calculus (IDC), *Open*, and at the Same Time *Offer*, A Radically New Perspective to Modern Science

C. Giannantoni 2649

Analytical Solutions to Definite Integrals for Combinations of Legendre, Bessel and Trigonometric Functions Encountered in Propagation and Scattering Problems in Spherical Coordinates

F. A. Namin 2690

Modeling of Residential Photovoltaic (PV) System Connected to Low Voltage (LV) Network: Application to Public Distribution Network of Burkina Faso

A. Zongo, D. Konane, F. Ouattara 2698

Research on Site Planning of Mobile Communication Network

Y. S. Chen, F. Q. Fu 2708

Green Function of Generalized Time Fractional Diffusion Equation Using Addition Formula of Mittag-Leffler Function

F. Wang, J. M. Zhang 2720

The 3-Sphere Instead of Hilbert Space

A. Soiguine 2733

Spectra of the Energy Operator of Two-Electron System in the Impurity Hubbard Model

S. Tashpulatov 2743

The History of the Derivation of Euler’s Number

M. Aghaeiboorkheili, J. G. Kawagle 2780

Comment to *Gywnn's* Fine-Structure Constant Approach

H. H. Otto 2796

Rotating Lepton Model of Pions and Kaons: Mechanics at fm Distances

C. G. Vayenas, D. Tsousis, D. Grigoriou, K. Parisi, E. C. Aifantis..... 2805

On the Meromorphic Solutions of Fermat-Type Differential Equations

D. F. Liu, B. Pan..... 2820

The Right Triangle as the Simplex in 2D Euclidean Space, Generalized to n Dimensions

I. Lénárt 2837