

Table of Contents

Volume 5 Number 4

April 2017

Archimedes' Principle Revisited

- P. Mohazzabi.....836

The Exact Solution of the Space-Time Fractional Modified Kdv-Zakharov-Kuznetsov Equation

- Q. Y. Jin, T. C. Xia, J. B. Wang.....844

Kinematic Relativity of Quantum Mechanics: Free Particle with Different Boundary Conditions

- G. P. Kamuntavičius, G. Kamuntavičius.....853

Gravitation as Geometry or as Field

- W. Petry.....862

Exact Time Domain Solutions of 1-D Transient Dynamic Piezoelectric

Problems with Nonlinear Damper Boundary Conditions

- N. M. Khutoryansky, V. Genis.....873

The Faraday Isolator, Detailed Balance and the Second Law

- G. S. Levy.....889

Error Analysis and Variable Selection for Differential Private Learning Algorithm

- W. L. Nie, C. Wang.....900

Energy Conservation and Gravitational Wavelength Effect of the

Gravitational Propagation Delay Analysis

- P. Kornreich.....912

Decay Rate for a Viscoelastic Equation with Strong Damping and Acoustic Boundary Conditions

- Z. Y. Ma.....922

A Note on the Cosmological Constant in $f(R)$ Gravity

- P. K. F. Kuhfittig.....933

Classical Fundamental Unique Solution for the Incompressible Navier-Stokes Equation in \mathbb{R}^N

- W. S. Khedr.....939

Biomechanical Study of Vertebral Compression Fracture Using Finite Element Analysis

- H. Takano, I. Yonezawa, M. Todo, M. H. Mazlan, T. Sato, K. Kaneko.....953

**Exact Solution for Thermal Stagnation-Point Flow with
Surface Curvature and External Vorticity Effects**

R. M. C. So, E. W. S. Kam.....966