

Table of Contents

Volume 3 Number 10

October 2015

Efficient Approach for 3D Stationary Optical Solitons in Dissipative Systems

- A. Konaté, E. Soro, O. Asseu, A. Kamagaté, P. Yoboué.....1239

Qualitative Properties and Numerical Solution of the Kolmogorov-Fisher Type Biological Population Task with Double Nonlinear Diffusion

- D. K. Muhamediyeva.....1249

A New Newton-Type Method with Third-Order for Solving Systems of Nonlinear Equations

- Z. L. Liu, Q. Y. Fang.....1256

A Direct Implementation of a Modified Boundary Integral Formulation for the Extended Fisher-Kolmogorov Equation

- O. O. Onyejekwe.....1262

Existence and Multiplicity of Solutions for Quasilinear $p(x)$ -Laplacian Equations in \mathbb{R}^N

- H. H. Qi, G. Jia.....1270

A Gauge Transformation between Ragnisco-Tu Hierarchy and a Related Lattice Hierarchy

- Y. Q. Liu, C. Hu, J. Dai.....1282

A Numerical Method for Shape Optimal Design in the Oseen Flow with Heat Transfer

- W. J. Yan, A. X. Wang, G. X. Guan.....1295

Finite Temperature Asymmetric Nuclear Matter Using Pion Dressing

- S. K. Sahu.....1308

Asymptotic Boundary Forms for Tight Gabor Frames and Lattice Localization Domains

- H. G. Feichtinger, K. Nowak, M. Pap.....1316

Distribution of Microcrystalline Quartz in Glassy Fulgurites from Garuamukh and Kimin, India

- B. J. Saikia, G. Parthasarathy, R. R. Borah.....1343

Structure of Schrödinger's Nucleon: Elastic Form-Factors and Radii

- G. P. Kamuntavičius.....1352