

Tharmalingam Gunasekar, Rajendran Swetha, Shanmugam Manikandan, Shyam Sundar Santra, Dumitru Baleanu (pp.5-29)

Modeling Seoul Virus Transmission Dynamics through Fractal-Fractional Derivatives and Laplace-Adomian Decomposition

Hijaz Ahmad, Muhammad Nadeem, Muhammad Tariq, Evren Hincal, Osama Oqilat, Waleed Mohammed Abdelfattah (pp.30-60)

Fractional Ostrowski-Type Inequalities with Hypergeometric Functions: Theory and Applications

Ahmad A. Hanandeh, Amer I. Al-Omari, Mohammed Obeidat (pp.61-74)

Parameter Estimation of the Farlie-Gumbel-Morgenstern Bivariate Weibull Distribution via Bivariate Ranked Set Sampling with an Application to Breast Cancer Data

Latifa Agamalieva, Ban Jamal Khalid Alsindi, Hasan Bulut, Malahat Orujova (pp.75-84)

An Extraction of Soliton Solutions of the Nonlinear Mathematical Model in a Magneto-Elastic Circular Rod

Seyed Mohammad Ajdani, Francisco Bulnes (pp.85-89)

Stanley's Conjecture on the Independence Complexes of Graphs

Tichaona Chikore, Farai Nyabadza (pp.90-105)

Mathematical Modeling of the Impact of Web Visibility on Airport Fare Structure

Iqbal H. Jebril, Iqbal Batiha, Shaher Momani (pp.106-123)

A Fractional-Order Framework for Bond Pricing: Mittag-Leffler Stability and Numerical Implementation

Fares Bekhouche, Iqbal Batiha, Ouidad Boulakour, Radwan M. Batyha, Ahmed Bouchenak, Shaher Momani (pp.124-148)

Enhanced Investigation of Caputo, Caputo Fabrizio, and Atangana Baleanu Fractional Derivatives in the Laplace Adomian Decomposition Method for Nonlinear Time Fractional Models

T.K. Huseynov, B.K. Amiraslanov, N.E. Ibrahimova, A.S. Mutallimova, T.A. Safarova, A.G. Huseynov (pp.149-159)

Mathematical Model for a Vibrational-Frequency Liquid Densitometer Resonator with Additional Movable Supports

Keerthika V., Prahalatha R. (pp.160-185)

Analysis and Numerical Simulation of Higher-Order Time-Fractional KDV Equations using an Enhanced DGJ Iterative Method

Maalee Almheidat, Hamzeh Tbakhi, Mohammad Alwidian, Mohammad Jrab, Wael Farhan, Suad Alhihi, Ayat Almomani, Morad Ahmad, Mohammad Alqudah (pp.186-208)

A Novel Family of Generalized Distributions: Theory and Applications in the Medical Field

Mehman Hasanov, Sahib Piriev, Khagani Abdullayev, Turana Rasullu, Nurana Jamalzade, Javid Namazov (pp.209-215)

Mathematical Model of Dispersion Front During Bending and Twisting of Cylindrical Piezoceramics

Mohd Azri Pawan Teh, Aiman Fikri Jamaludin, Nazrina Aziz (pp.216-227)

Advancing Quality Control: New Two-Sided Chain Sampling Plans for Exponential Distribution

Yashar Mehraliyev, Ramiz Iskanderov (pp.228-240)

On The Solvability of an Inverse Boundary Value Problem for the Linearized Equation of Longitudinal Waves in Rods with Periodic and Integral Conditions

R.M. Rzaev, G.Kh. Imanova, L.R. Aliyeva, M.Sh. Maharramov (pp.241-253)

On Nontangential Convergence of Multidimensional Singular Integrals

Sowmya Narayani S.T., Sumitha D. (pp.254-274)

Enhancing of OBS Network Efficiency with Retransmission, Feedback and Scheduled Maintenance