BİLİMSEL ÇALIŞMALAR 2023

MAKALELER

Erey, N., Herzog, J., Hibi, T., and Saeedi Madani, S. (2023). The normalized depth function of squarefree powers. Collectanea Mathematica, 1-15.

Ateşli, B., Esen, O., de León, M., and Sardón, C. (2023). On locally conformally cosymplectic Hamiltonian dynamics and Hamilton-Jacobi theory. *Journal of Physics A: Mathematical and Theoretical*, 56(1), 015204.

Ajji, A., Chaouki, J., Esen, O., Grmela, M., Klika, V., and Pavelka, M. (2023). On geometry of multiscale mass action law and its fluctuations. *Physica D: Nonlinear Phenomena*, *445*, 133642.

Polat, G. G. and Özer, T. (2023). Analytical approaches for growth models in economics. Quaestiones Mathematicae, 1-34.

Robati, S. M. and Hafezieh, R. (2023). Groups whose vanishing class sizes are p-powers. Communications in Algebra, 1-7.

Liu, Q., Yazar, S., and Smith, F. (2023). On interaction between freely moving bodies and fluid in a channel flow. Theoretical and Applied Mechanics Letters, 13(1), 100413.

Oner, I. (2023). The null boundary controllability for the Mullins equation with periodic boundary conditions. An International Journal of Optimization and Control: Theories & Applications (IJOCTA), 13(1), 116-122.

Yakar, C. and Talab, H. (2023). Lagrange stability in terms of two measures wıth initial time difference for set differential equations involving causal operators. *Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics*, *72*(1), 84-104.

Ismailov, M. I. and Oner, I. (2023). Null boundary controllability for some biological and chemical diffusion problems, Evolution Equations and Control Theory, 12(5), 1287-1299.

Ismailov, M. I. (2023). Inverse scattering problem for linear system of four-wave interaction problem on the half-line with a general boundary condition, J. Math. Phys, Anal. Geom, 19(2), 443-455.

Ismailov, M. I. and Türk, Ö. (2023). Direct and inverse problems for a 2D heat equation with a Dirichlet - Neumann - Wentzell boundary conditions, Communucations in Nonlinear Science and Numerical Simulations, 127, 107519.

Ismailov, M. I. and Sabaz, C. (2023). Inverse Scattering Method via Riemann–Hilbert Problem for Nonlinear Klein–Gordon Equation Coupled with a Scalar Field, Journal of the Physical Society of Japan, 92, 104001.

Bazan, F.S.V., Bedin, L., Ismailov, M. I., and Borges, L. S. (2023). Inverse time-dependent source problem for the heat equation with a nonlocal Wentzell-Neumann boundary condition, Networks and Heterogeneous Media, 18(4), 1747–1771.

Buyukcolak, Y., Gozupek, D., and Ozkan, S. (2023). Equimatchable Bipartite Graphs, Discussiones Mathematicae: Graph Theory, 43(1), 77-94.

Esen, O., Kudeyt, M., and Sütlü, S. (2023). Tulczyjew's Triplet with an Ehresmann connection I: Trivialization and Reduction, Int. J. Geom. Methods Mod. Phys., 20(4), 37.

Çetin, Ş., Yılmaz, Y., and Yakar, C. (2023). Generalized Quasilinearization Method for a Initial Value Problem on Time Scales, Applications and Applied Mathematics: An International Journal, 18(2), 9.

Tiryakioğlu, B. and Ozturk, H. (2023). Mode-matching analysis for sound propagation in a cylindrical duct with a partial lining, Acoustical Physics, 69(4), 436-441.

Topal, S., Akürek, Y. E., and Duran, V. (2023). A Nano Topology Based Assessment with Parameter Reduction in Mathematics Education, Disiplinlerarası Eğitim Araştırmaları Dergisi, 7(14), 44-58.

Erkoç, T., Bozkurt, Güngör, S., and Akar G. (2023). SM-vanishing conjugacy classes of finite groups, Journal of Algebra and its Applications, 11, 1-9.

Başar, E., Öztop, S., Uysal, B.H., and Yaşar, Ş. (2023). Extreme points in Orlicz spaces equipped with s-norms and its closedness, Math. Nachr., 00, 1– 21.

Başar, E., Uysal, B.H., and Yaşar, Ş. (2023). Complex extreme points and complex rotundity in Orlicz spaces equipped with the s-norm, Istanbul Journal of Mathematics, 00, 1– 8.

Karaoglu, F. (2023). A New Form of Smooth Cubic Surfaces with 9 Lines, Journal of New Theory, 44, 62-78

Oner, I. and Camlibel, K. M. (2023). Stabilizability of strict convex processes with respect to arbitrary stability domain, SIAM Journal on Control and Optimization, 61(3), 1819-1834.

Oner, I. (2023). The null boundary controllability for a fourth-order parabolic equation with Samarskii-Ionkin-Type boundary conditions, Mediterr. J. Math, 20(323).

Gökbaş, H., Topal, S., and Smarandache, F. (2023). Neutrosophic Number Sequences: An Introductory Study, International Journal of Neutrosophic Science, 20(1), 27-48.

KİTAPLAR VE BÖLÜMLER

Duran, V., Topal, S., Taş, F., Ulaş, A. K., and Florentin, S. (2023). Modeling epidemics based on quantum decision-making model by the qutrit states and employing neutrosophic form of percolation analysis, Cognitive Data Science in Sustainable Computing: Cognitive Intelligence with Neutrosophic Statistics in Bioinformatics, Elsevier, 87-118.

Duran, V., Topal, S., Florentin, S., and Aslam, M. (2023). Using the four-valued Rasch model in the preparation of neutrosophic form of risk maps for the spread of COVID-19 in Turkey. Elsevier, Cognitive Data Science in Sustainable Computing: Cognitive Intelligence with Neutrosophic Statistics in Bioinformatics, Elsevier, 43-69.