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Review of Number 27

Naim Çağman* <naim.cagman@gop.edu.tr>

Department of Mathematics, University of Tokat Gazisomanpaşa, 60250 Tokat, Turkey

Abstaract — In this work, we review all papers that are published in Number 27 of the Journal of New Theory. We then introduce all of the members of the editorial board and reviewers of the papers in this issue.

Keywords — *Journal of New Theory, J. New Theory, JNT, Number 27.*

1 Number 27

We are happy to inform you that Number 27 of the Journal of New Theory (JNT) is completed with 9 articles.

In [1], the authors introduced the concept of anti fuzzy BG-ideals in BG-algebra and we have discussed some of their properties. Relation between anti fuzzy BG-ideal and cartessian product of anti fuzzy BG-ideals is developed.

In [2], existence and uniqueness of local classical solutions of the quasilinear evolution integrodifferential equation in Banach spaces are studied. The results are demonstrated by employing the fixed point technique on C_0-semigroup of bounded linear operator. At last, we deal an example to interpret the theory.

In [3], avian influenza epidemic model with drug resistance effect is investigated. The basic reproduction number $\mathbb{R}_0$ find out using next generation method. The local and global stability of a disease free and endemic equilibrium of the system is studied and discussed. Numerical simulations are carried out to investigate the influence of the key parameters on the spread of the disease, to support the analytical conclusion and illustrate possible behavioral scenarios of the model.

In [4], the authors defined a new operation on soft sets, called extended difference and investigate its relationship between extended difference and restricted difference and some other operations of soft sets. This study is based on the paper "On operations of Soft Sets" by Sezgin and Atagün [Comput. Math. Appl. 61 (2011) 1457-1467].

* *Editor-in-Chief of the Journal of New Theory.*

In [5], the authors introduced and investigated the concepts of lightly nano ω-closed sets and lightly nano ω-open sets in a nano topological spaces, which are weaker form of lightly nano-closed sets and lightly nano-open sets and relationships among related ng-closed sets are investigated.

In [6], the authors redefined some basic operations of hesitancy fuzzy graph and it is referred as hesitancy fuzzy digraph (in short HFDG). They discussed some arithmetic operations and relations among HFDG. They further proposed a method to solve a shortest path problem through score function.

In [7], a suggestion for the calculation of Pythagorean Expectation for football is presented. In the application section, end-season rankings and points for the 2017/2018 season of the selected fifteen European football leagues are predicted by using the suggested method. The data of the past five seasons of the selected European football leagues is used as the training dataset. All calculations are performed in R.

In [8], the authors introduced the notion of (2,L)-double fuzzifying topology which is a generalization of the notion of (2,L)-fuzzifying topology and classical topology. They defined the notions of (2,L)-double fuzzifying preproximity and (2,L)-fuzzifying syntopogenous structures. Some fundamental properties are also established. These concepts will help in verifying the existing characterizations and also help in achieving new and generalized results. Finally they studied a model as an application of fuzzifying topology in biology.

In [9], the authors derived the generating formulae for the Gegenbauer and modified Gegenbauer matrix polynomials by introducing a partial differential operator and constructing the Lie algebra representation formalism of special linear algebra by using Weisner's group-theoretic approach. An application of this results is also pointed out.

2 Acknowledgement

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