

Abstract No. : GET19**ON A CLASS OF $\tilde{\gamma}$ -OPEN SETS AND OPERATION APPROACHES IN TOPOLOGICAL SPACES***** D. Saravanakumar, ** N. Kalaivani*****Department of Mathematics, Kalasalingam Academy of Research and Education, Krishnankoil, India, saravana_13kumar@yahoo.co.in******Department of Mathematics, Vel Tech Dr. RR and Dr. SR Technical University, Chennai, India., ** kalaivani.rajam@gmail.com**

Let (X, τ) be a topological space. An operation γ on the topology τ is a mapping from τ into the power set $P(X)$ of X such that $V \subseteq V^\gamma$ for each $V \in \tau$, where V^γ denotes the value of γ at V . A new class $\tilde{\gamma}$ -(X) of $\tilde{\gamma}$ -open sets in a topological space with respect to γ is introduced. In addition, we define $\sim \gamma$ -closed, $\tilde{\gamma}$ -interior, $\tilde{\gamma}$ -closure and $\tilde{\gamma}$ -boundary in a topological space, $\tilde{\gamma}$ -Ti ($i = 0, 1, 2, 1, 2$) spaces and $(\tilde{\gamma}, \tilde{\beta})$ -continuous mapping and study their properties.

Abstract no. : GET20**(gg)*-CONTINUOUS FUNCTIONS IN TOPOLOGICAL SPACES*****I.Christal Bai, **T. Shyla Isac Mary*****Research Scholar, Department of Mathematics, Nesamony Memorial Christian College, Marthandam 629 165, India, christalstalin@gmail.com******Department of Mathematics, Nesamony Memorial Christian College, Marthandam 629 165, India, E-mail: shylaisaacmary@yahoo.in**

The concept of regular continuous functions in Topological spaces was introduced by S.P. Arya and R. Gupta in 1974. In 2017, Basavaraj M. Ittanagi and Govardhana Reddy introduced and studied gg-continuous maps in Topological spaces. Recently I. Christal Bai and T. Shyla Isac Mary introduced (gg)*-closed sets in Topological spaces. The aim of this paper is to introduce and study a new class of continuous functions called (gg)*continuous functions in Topological spaces. We also discussed some of the basic properties.

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A NOTE ON THE RINGS OF BAIRE ONE FUNCTIONS

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This paper is a continuation of our work on the ring of Baire one functions on a topological space X , denoted by $B_1(X)$. It has been observed that $B_1(X)$ forms a commutative lattice ordered ring with unity containing the ring of continuous functions $C(X)$. Though in most of the situations $B_1(X)$ shows much resemblance to $C(X)$, it behaves quite differently in several other context. The objective of this paper is to address two such context where the results obtained for $B_1(X)$ widely differ from those known for $C(X)$. We partially resolve whether or not good ‘pseudocompact-like’ spaces exist. Also, as opposed to the case of $C(X)$, a Tychonoff space X may not be embedded in the structure space of $B_1(X)$. A suitable T_0 compact space is thus constructed from the structure space of $B_1(X)$ in which not only the Tychonoff space X is densely embedded, it contains the structure space of $C(X)$ as a dense subspace.

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NONHOLONOMIC FRAMES FOR FINSLER SPACES WITH P- POWER (A,B)-METRIC

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The main purpose of this paper is to first determine the two Finsler deformations of the p-power Finsler metric $F = \frac{(\alpha+\beta)^p}{\alpha^{p-1}}$ ($p \neq 0$). Consequently, we obtain the nonholonomic frame for Finsler space with p-power Finsler metrics which can be considered as the generalization of Randers metric.