NEW OPERATOR VIA STRONG FORM OF NANO OPEN SETS

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Abstract: The aim of this paper is to introduce an operator γ, a function from N-BO(U) $\to$ P(U) in nano topological space (U,τ_R(X)). Here we have also characterised various properties based on the operation γ. Moreover we have made an attempt to develop some new spaces through Nγ_b open sets in nano topological space and finally we have also examined the relationship among them.

Keywords and Phrases: Nγ_b-open set, Nγ_b-Cl, Nγ_b-g-closed set, Nγ_b-T $_{1/2}$ space.

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1. Introduction

Lellis Thivagar et al initiated nano topological space with respect to a subset X of an universe which is defined in terms of lower and upper approximations of X. The elements of a nano topological space are called the nano-open sets. But certain nano terms are satisfied simply to mean "very small". It originates from the