

NOTE ON NANO HYPER CONNECTED SPACES

M. Lellis Thivagar and I. Geetha Antoinette*

School of Mathematics,
Madurai Kamaraj University,
Madurai- 625 021, Tamilnadu, INDIA.

E-mail: mlthivagar@yahoo.co.in

*Department of Mathematics,
Jayaraj Annapackiam College,
Periyakulam, Theni - 625 601, Tamilnadu, INDIA.

E-mail: geetharegis@yahoo.co.in

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Abstract: The objective of this paper is to define nano hyper connected space and study its properties. This paper gives a characterization of nano hyper connected spaces, using the concept of nano pre open sets and nano semi open sets. Further some new weak nano functions are defined which preserve nano hyperconnected property.

Keywords and Phrases: Nano topology, nano hyper connected space, nano ultra connected, nano feebly continuous functions, nano somewhat nearly continuous function.

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1. Introduction

Lellis Thivagar et al [1] introduced nano topological space with respect to a subset X of a finite universe which is defined in terms of lower and upper approximations of X . The elements of the nano topological space are called nano open sets. Connectedness is one of the core concepts of topology. Here we introduce nano hyper connectedness and derived their characterizations in terms of nano semi