

Abstract No:GET10**SOME PROPERTIES OF THE BITOPOLOGICAL SPACE
ASSOCIATED WITH A 3-UNIFORM SEMIGRAPH******Asha G Pillai, **Ramkumar.P.B******* TocH institute of Science & Technology, Kerala, Inida, ashapillai2341@gmail:com******** Rajagiri School of Engineering & Technology, Cochin, Kerala, India,
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In this paper, the outlying neighbourhood N_i^o of the vertex 'i' of a 3 – uniform semigraph $C_{m,1}$ is defined as $N_i^o = V - C_i$, where V is the vertex set and C_i is the set of vertices which are consecutively adjacent to 'i'. Let E and M denote the collection of end vertices and middle vertices of $C_{m,1}$ respectively. Define $\tau_E = \cap_{i \in E} P(N_i^o)$ and $\tau_M = \cap_{i \in M} P(N_i^o)$. τ_E and τ_M are the discrete topologies on the end vertex set of $C_{m,1}$ and hence (V, τ_E, τ_M) is a bitopological space. Different properties of this bitopological space are also discussed.

Abstract No: GET11**NEAR AND CLOSER RELATIONS IN TOPOLOGY******R. Chitrlekha, ** M. Anitha, *** N. Meena*******Department of Mathematics, Rani Anna Govt. College, Tirunelveli, Tamilnadu, India.********Department of Mathematics, Rani Anna Govt. College, Tirunelveli, Tamilnadu, India.*********Department of Mathematics, M.D.T.Hindu College, Tirunelveli, Tamilnadu, India.***

Dvalishvili studied the concepts of near relations and closer relations in topology in 2005. In 2009, these relations were further investigated by Thamizharasi and Thangavelu. In this paper, nearly open sets such as semi-open, pre-open, α -open, β -open and $b^\#$ -open sets in topological spaces are characterized by using the above relations.

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ON ALMOST CONTRA δ gp -CONTINUITY IN TOPOLOGICAL SPACES

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Abstract Some new class of continuity, called almost contra δ gp-continuous functions is introduced by using δ gp-closed sets in topological spaces and some of their fundamental properties are obtained. The relationships of almost contra δ gp-continuity with other related functions are discussed .