

Rao, K. Chandrasekhara; Kannan, K.; Narasimhan, D.

On semi star generalized closed sets in bitopological spaces. (English) Zbl 1211.54044
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A subset A of a bitopological space (X, τ_1, τ_2) is called $\tau_1\tau_2$ -semi star generalized closed (briefly $\tau_1\tau_2$ - s^*g closed) if $\tau_2\text{-cl}(A) \subseteq U$ whenever $A \subseteq U$ and U is τ_1 -semi open in X . Then a map $f : (X, \tau_1, \tau_2) \rightarrow (Y, \sigma_1, \sigma_2)$ is said to be pairwise s^*g -continuous if $f^{-1}(U)$ is $\tau_i\tau_j$ - s^*g closed for each σ_j -closed set U in Y ($i \neq j, i, j = 1, 2$). In the paper the authors present some straightforward results for $\tau_1\tau_2$ - s^*g closed sets and pairwise s^*g -continuous mappings and introduce the concepts of S^*GO -connectedness and S^*GO -compactness for bitopological spaces.

Reviewer: Jorge Picado (Coimbra)

MSC:

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