

(T_i, T_j) -PRE-SEMI-CLOSED SETS, (T_i, T_j) -PRE-SEMI-CONTINUOUS MAPS AND (T_i, T_j) - PRE-SEMI-IRRESOLUTE MAPS IN BITOPOLOGICAL SPACE

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Abstract

The new class of sets namely, (τ_i, τ_j) -pre-semi- closed sets is introduced for bitopological spaces. This class is properly placed in between the class of semi-pre-closed sets and the class of generalized semi-pre-closed sets in spaces.

Applying pre-semi-closed sets in bitopological spaces. Study two new spaces, $(\tau_i, \tau_j) - ps - T_{1/2}$ -space and $(\tau_i, \tau_j) - ps - T_{1/2}^*$ -space. We also introduce and study (τ_i, τ_j) -pre-semi-continuous maps and (τ_i, τ_j) -pre-semi-irresolute maps in bitopological spaces.

Key Words and Phrases : (τ_i, τ_j) -pre-semi-closed sets, (τ_i, τ_j) -pre-semi-open sets, (τ_i, τ_j) -pre-semi open sets, (τ_i, τ_j) -pre-semi-continuous maps, (τ_i, τ_j) -pre-semi-irresolute functions.

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