

ON GRW-CLOSED SETS (GENERALIZED REGULAR WEAKLY CLOSED SETS) IN A TOPOLOGICAL SPACES

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Abstract

In this paper, the notion of generalized regular weakly closed set (GRW - closed set) as a generalization of rw -closed set [16] in a Topological space is introduced and few of its behaviors are studied. A subset A of a topological space (X, τ) is called GRW-Closed if U contains $\text{closure}^*(cl^*)$ of A whenever U contains A where U is regular semi open in (X, τ) . Some of their properties are investigated.

Key Words : *Regular semi open sets, GRW-Closed sets, $cl^*(A)$.*

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