

A BRIEF NOTE ON STRONGLY REGULAR NEAR-RINGS

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Abstract

Let N be a Near-ring and $I (\neq N)$ a right ideal of N . If for each pair of ideals A and B of N , $AB \subseteq I$ implies that either $A \subseteq I$ or $B \subseteq I$, then I is called a prime right ideal of N . I is strongly prime right ideal if for each pair of a and b in N , $aIb \subseteq I$ and $ab \in I$ implies that $a \in I$ or $b \in I$ and we will call a strongly semi prime right ideal whenever $aIa \subseteq I$ and $a^2 \in I$. In this paper we have given some characterizations of strongly regular near-rings.

Key Words : *Near-ring, Regular Near-ring, Ideal, V-Near-ring, Prime ideal.*

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