

BI-INTERIOR IDEALS OF Γ -SEMIRINGS

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Abstract

In this paper, as a further generalization of ideals, we introduce the notion of bi-interior ideal as a generalization of quasi ideal, bi-ideal and interior ideal of Γ -semiring and study the properties of bi-interior ideals of Γ -semiring. We prove that if M is a field Γ -semiring, then M is a bi-interior simple Γ -semiring.

Keywords: quasi ideal, bi-ideal, interior ideal, bi-interior ideal, bi-quasi ideal, regular Γ -semiring, bi-interior simple Γ -semiring.

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