

Γ -FIELD

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Abstract

In this paper, we introduce the notion of a Γ -field as a generalization of a field, study their properties of a Γ -field and prove that M is a Γ -field if and only if M is an integral, simple and commutative Γ -ring.

Keywords: Γ -field, Γ -ring, Γ -semiring, Γ -group, Γ -semigroup, regular Γ -ring, integral Γ -ring, simple Γ -ring, commutative Γ -ring.

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