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Γ-FIELD

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Abstract

In this paper,we introduce the notion of a Γ-field as a generalization of field, study them 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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