

SEMIPSEUDO SYMMETRIC $\hat{\Gamma}$ -SEMIRINGS

S. KRISHNAMOORTHY AND R. ARUL DOSS

Abstract

We introduce a class of $\hat{\Gamma}$ -semirings known as semipseudo symmetric $\hat{\Gamma}$ -semirings and characterize Archimedean $\hat{\Gamma}$ -semirings of this class. We obtain necessary conditions for semipseudo symmetric $\hat{\Gamma}$ -semiring to possess semisimple elements. Also we characterize maximal ideals in Archimedean semipseudo symmetric $\hat{\Gamma}$ -semirings.

Key Words : Semipseudo Symmetric Ideal, Semipseudo Symmetric $\hat{\Gamma}$ -Semiring, Archimedean $\hat{\Gamma}$ -Semiring, Strongly Archimedean $\hat{\Gamma}$ -Semiring, Semisimple elements and Globally Idempotent $\hat{\Gamma}$ -Semiring.

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