

A NOTE ON QUASI Γ -ABSORBENTS IN Γ -GROUPOID LATTICES

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Abstract

The concept of quasi-absorbent in groupoid-lattice was introduced by O. Steinfeld [4]. The class of quasi-absorbent in groupoid-lattice is the common generalization of quasi-ideals in rings and semigroup. The notion of partially ordered Γ -groupoid-lattice was introduced by Sen and Seth in [3]. In this paper we introduce the notion of quasi- Γ -absorbent in Γ -groupoid-lattice. Here we will show that a quasi- Γ -absorbent k of a Γ -groupoid lattice $a \ 2 \ B$ is minimal if and only if any of its non-zero elements generate the same left- Γ -absorbents and the same right- Γ -absorbents of $a \ 2 \ B$.

Key Words: Quasi- \square -absorbent, \square -groupoid-lattice.

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