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$S-\alpha$ FUZZY SEMIGROUPS

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Abstract

The concept of S- α fuzzy semigroups of an S-semigroup is introduced and their characterizations are obtained. S- α fuzzy left, fuzzy right cosets and S- α fuzzy normal subsemigroups are defined and some equivalent conditions on S- α fuzzy normal subsemigroup are proved.

Key Words: S-semigroup, fuzzy group, S-fuzzy semigroup, α -fuzzy set, α -fuzzy group, Fuzzy semigroup.

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