

Lattice valued c-subgroups

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Lattice valued c-subgroups are defined as a fuzzy counterpart of (crisp) subgroups of a semigroup. Their representation by cuts are presented. Completely regular fuzzy semigroups are also investigated. It is proved that a fuzzy semigroup is regular if and only if it is a union of disjoint fuzzy c-subgroups.

This is a joint work with V. BUDIMIROVIĆ (Megatrend University, Belgrade) and A. TEPAVČEVIĆ, (University of Novi Sad).