Characterization of Fuzzy Lattices on a Group with Respect to T-Norms

Abstract

We introduce the notion of fuzzy lattice of groups and investigated some of its basic properties. We also study the homomorphic image, pre-image of fuzzy lattices, arbitrary family of fuzzy lattices and lattice fuzzy normal groups using T-norms. we introduce the notion of sensible fuzzy lattice in groups and some related properties of lattices are discussed.

Reference

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Index Terms

Computer Science Fuzzy Systems

Key words

Lattice ordered group Fuzzy lattice
Sensible fuzzy normal lattice
pre-image
direct product