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

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


Index Terms

Computer Science
Fuzzy Systems

Key words

Lattice ordered group
Fuzzy lattice

Sensible fuzzy normal lattice

pre-image

direct product