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


**Index Terms**

Computer Science  
Fuzzy Systems

**Key words**

Lattice ordered group  
Fuzzy lattice

Sensible fuzzy normal lattice

pre-image

direct product