Abstract

In this paper, a new concept of anti-homomorphism between two fuzzy groups $G$ and $G'$ is defined. Many results analogous to homomorphism of groups are established.

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**Index Terms**

Computer Science Applied Mathematics

**Key words**

Fuzzy set fuzzy level subset fuzzy groups

fuzzy level subgroup

fuzzy normal subgroup

fuzzy abelian subgroup

fuzzy cyclic subgroup homomorphism

Anti-homomorphism

anti-automorphism