Abstract

In this paper, we introduce the notion of anti Q-fuzzy BG-ideals of BG-algebras, lower level cuts of a fuzzy set, lower level BG-ideal and prove some results on these. We show that a Q-fuzzy subset of a BG-algebra is a Q-fuzzy BG-ideal if and only if the complement of this Q-fuzzy subset is an anti Q-fuzzy BG-ideal.

Reference

Index Terms

Computer Science Mathematical Applications

Key words

BG-algebra

sub BG-algebra

BG-ideal

fuzzy BG-ideal

Anti fuzzy BG-ideal

Q- fuzzy BG-ideal

Anti Q-fuzzy BG-ideal