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

Anti Q-Fuzzy BG –Ideals in BG – Algebra

347 – 354.

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