Abstract

The purpose of this paper is to introduce a new form of generalized mapping namely fgb-continuous, fgb-irresolute mappings, fgb-closed maps, fgb-open and fgb*-open maps in fuzzy topological spaces. Some of their properties and characterization have been proved. As an application of these generalized fuzzy sets, fuzzy gbT1/2-space, fgb-homeomorphism and
Fgb*-homeomorphism are introduced and discussed in detail.

Reference

- D. Andrijevic, On b-open sets, Mat. vesnik 48 (1996), 59-64.

Index Terms

Computer Science

Fuzzy Systems

Key words

Fgb-closed sets
fgb-neighbourhood
fgbq-neighbourhood
fgb-continuous
fgb-irresolute mappings
fgb-closed maps
fgb*-open maps

fuzzy gbT1/2-space

fgb-homeomorphism

fgb*-homeomorphism