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
Fuzzy gb*-homeomorphism are introduced and discussed in detail.

Reference

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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