

عنوان مقاله:

GRADATION OF CONTINUITY IN FUZZY TOPOLOGICAL SPACES

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خلاصه مقاله:

In this paper we introduce a definition of gradation of continuity in graded fuzzy topological spaces and study its various characteristic properties. The impact of the grade of continuity of mappings over the N-compactness grade is examined. Concept of gradation is also introduced in openness, closedness, homeomorphic properties of mappings and T_2 separation axiom. Effect of the grades interrelated with N-compactness, closedness, T_2 separation and homeomorphism of mappings are studied.

کلمات کلیدی:

Fuzzy belongingness, Fuzzy quasi-coincidence, Gradation of openness, Gradation of neighborhoodness, Fuzzy topological spaces, Fuzzy filters, Graded continuity

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