

عنوان مقاله:

SOME RESULTS ON INTUITIONISTIC FUZZY SPACES

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خلاصه مقاله:

In this paper we define intuitionistic fuzzy metric and normed spaces. We first consider finite dimensional intuitionistic fuzzy normed spaces and prove several theorems about completeness, compactness and weak convergence in these spaces. In section ۳ we define the intuitionistic fuzzy quotient norm and study completeness and review some fundamental theorems. Finally, we consider some properties of approximation theory in intuitionistic fuzzy metric spaces.

کلمات کلیدی:

Intuitionistic fuzzy metric (normed) spaces, completeness, Compactness, Finite dimensional, Weak convergence, Quotient spaces, Approximation theory

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