

COINCIDENCE POINT THEOREMS FOR MULTI-VALUED MAPPINGS IN FUZZY METRIC SPACES

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Abstract. In this paper, by applying the countable extensions of a t -norm, we have proved a coincidence point theorem for the fuzzy Nadler type of contraction mappings. Also, a coincidence point theorem in a fuzzy metric spaces for an implicit relation is given.

Key Words and Phrases: fuzzy metric space, t -norm, Nadler contraction mapping, coincidence point, Cauchy sequence, implicit relation.

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