

A BEST PROXIMITY POINT THEOREM FOR SUZUKI TYPE CONTRACTION NON-SELF-MAPPINGS

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Abstract. Let A and B be nonempty subsets of a metric space X . The purpose of this paper is to prove the existence and uniqueness of a best proximity point for a non-self-mapping $T : A \rightarrow B$ such that T is a contraction mapping in the sense of Suzuki. Examples are given to support the usability of our results.

Key Words and Phrases: best proximity point; fixed point; contraction non-self-mapping; P-property.

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