

FIXED POINT THEOREMS FOR MULTIVALUED CONTRACTIVE OPERATORS ON GENERALIZED METRIC SPACES

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Abstract. Using the concept of generalized w -distance we prove some interesting results on the existence of fixed points for multivalued contractive type operators in the setting of generalizes metric spaces. A data dependence result and Ulam-Hyers stability of fixed point inclusions are also presented.

Key Words and Phrases: Generalized metric space, multivalued contractive map, fixed point, generalized w -distance.

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