

FIXED POINT RESULTS FOR CONTRACTIVE MAPPINGS IN COMPLEX VALUED FUZZY METRIC SPACES

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Abstract. The aim of this paper is to introduce the notion of complex valued fuzzy metric spaces. We prove some fixed point results of contractive mappings on complex valued fuzzy metric spaces. Some examples are presented to support the results proved herein. Our results extend various results in the existing literature.

Key Words and Phrases: Complex valued t -norm, complex valued fuzzy set, complex valued fuzzy metric space, fixed point.

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