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COMMON FIXED POINT THEOREMS IN RIGHT COMPLETE DISLOCATED QUASI $\mathcal{G}-$ FUZZY METRIC SPACES

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Abstract: The aim of this paper is to present the ideas of right complete dislocated quasi $\mathcal{G}-$ fuzzy metric spaces and find the common fixed point results for mapping satisfying the $\alpha - \psi$ locally contractive mappings for a couple of such maps in a closed ball in right complete dislocated quasi $\mathcal{G}-$ fuzzy metric spaces. An example is likewise given which outline the predominance of our outcomes.

Keywords and Phrases: Common fixed point, right complete quasi $\mathcal{G}-$ fuzzy metric spaces, $\alpha-\psi$ contractive mappings, $\mathcal{G}-\alpha-$ admissible mapping with respect to η.

2020 Mathematics Subject Classification: 47H10, 54A40.

1. Introduction

In 1965, Zadeh [21] contemplated the idea of a fuzzy set in his original paper. From that point, it was grown widely by numerous scientists, which additionally remember fascinating uses of this hypothesis for various fields. Fuzzy set hypothesis has applications in applied sciences like neural organization hypothesis, steadiness hypothesis, numerical programming, demonstrating hypothesis, designing sciences, clinical sciences (clinical hereditary qualities, sensory system), picture preparing,