

Coupled Optimal Results in b-Metric Space with Application to Differential Equation

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Abstract

B-metric space is one of the generalizations of metric space. We introduce the concept of coupling in non-self mapping in this space. Here, we establish some coupled optimal results in b-metric space supported by suitable examples and consequences. Also, an application of non-linear differential equation has been shown.

Keywords: Coupled Best Proximity Point, P-Property, b-Metric Space, Differential equation.

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