

Abstract 93 – Paper ID: 110**Fixed points of some F-contractions using Mann's iteration in (θ, δ) -convex b -metric spaces**

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Abstract

This paper presents some fixed-point results in b -metric spaces using Mann's iterative process with (θ, δ) -convex structure. We establish some fixed-point theorems by defining new contraction conditions, namely the F-Kannan type contraction in (θ, δ) -convex b -metric spaces and the F-Hardy Rogers type contraction in (θ, δ) -convex b -metric spaces.

Keywords: Fixed point, b -metric spaces, Mann's iteration, (θ, δ) -convex structure, F-Kannan type contraction, F-Hardy Rogers type contraction