FIXED POINT THEOREM FOR SET-VALUED RESTRICTED-QUASI-CONTRACTION MAPS IN A *D*^{*}- METRIC SPACE

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ABSTRACT

In this paper we achieve a fixed point theorem for D^* -metric set-valued restricted-quasi-contraction mappings in a D^* -metric space. The result was obtained analogously by the method followed by Aydi [1] and extends the set-valued fixed point theory from *b*-metric spaces to D^* -metric spaces.

KEYWORDS: Fixed Point Theorem, Quasi-Contraction Mappings, Set-Valued Mappings, *D**-Metric Space, *D**-Metric Set-Valued Restricted, Quasi, Contraction Mappings