

FIXED POINT RESULTS IN M- METRIC SPACE WITH APPLICATION TO LCR CIRCUIT

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In this article, we introduce a fixed point theorem for M-metric space with relation theoretic principle and give an important application to solve the initial value problem (IVP) which illustrate the applicability and efficiency of our result. The Banach contraction principle (BCP) is one of the most stalwart result in fixed point theory. BCP is basically depend on the domain and the nature of mapping. In this paper, we are generalising the BCP and Boyd and Wong theorem for M-metric space via relation theoretic principle.

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