

## EXISTENCE AND UNIQUENESS OF MILD SOLUTION FOR NONLOCAL IMPULSIVE INTEGRO-DIFFERENTIAL EQUATION WITH STATE DEPENDENT DELAY

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*Abstract.* In this article, we first establish the mild solution for an impulsive fractional integro-differential equation with state dependent delay. Then we prove the existence and uniqueness of solution by applying well known classical fixed point theorems. The obtained results are illustrated with an example.

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