

# Analysis of Coupled Impulsive Fractional Integro-Differential Equations with Caputo Derivatives

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## Abstract

In this paper, we investigate an impulsive coupled system of fractional integro-differential equations having Caputo derivatives. The existence and uniqueness results of the system are obtained with the help of Kransnoselskii's type fixed point theorem. Different kinds of Ulam stabilities are discussed. An example is presented to support the results.

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