FRACTIONAL ORDER IMPULSIVE PARTIAL HYPERBOLIC DIFFERENTIAL INCLUSIONS WITH VARIABLE TIMES

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Abstract
This paper deals with the existence of solutions to some classes of partial impulsive hyperbolic differential inclusions with variable times involving the Caputo fractional derivative. Our works will be considered by using the nonlinear alternative of Leray-Schauder type.

Keywords and phrases: impulsive functional differential inclusions, fractional order, solution, left-sided mixed Riemann-Liouville integral, Caputo fractional-order derivative, variable times, fixed point.

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