EXISTENCE OF MILD SOLUTIONS FOR IMPULSIVE FRACTIONAL FUNCTIONAL INTEGRO–DIFFERENTIAL EQUATIONS

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Abstract. In this investigation, our aim is to develop the definition of mild solutions for impulsive fractional differential equations of order $\alpha \in (1, 2)$ and obtain some sufficient conditions for existence of mild solutions using the analytic operator functions and fixed point theorems. We also verify the existence result with an example involving partial derivative.

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