ANTI-PERIODIC BOUNDARY VALUE PROBLEM FOR NONLINEAR IMPLICIT FRACTIONAL DIFFERENTIAL EQUATIONS WITH IMPULSES

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Abstract. In this paper, we establish the existence and uniqueness of solutions for a class of anti-periodic boundary value problem for nonlinear implicit fractional differential equations with impulse and Caputo fractional derivative. The arguments are based upon the Banach contraction principle, and Schaefer’s fixed point theorem. An example is included to show the applicability of our results.

References


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