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# Impulsive anti-periodic boundary value problem for nonlinear differential equations of fractional order

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### ABSTRACT

In this paper, we prove the existence and uniqueness of solutions for an anti-periodic boundary value problem of nonlinear impulsive differential equations of fractional order  $\alpha \in (2, 3]$  by applying some well-known fixed point theorems. Some examples are presented to illustrate the main results.

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