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## On four-point nonlocal boundary value problems of nonlinear integro-differential equations of fractional order

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### ABSTRACT

In this paper, we prove the existence and uniqueness of solutions for a four-point nonlocal boundary value problem of nonlinear integro-differential equations of fractional order  $q \in (1, 2]$  by applying some standard fixed point theorems. An illustrative example is also presented.

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