

عنوان مقاله:

Twin positive solutions to the RL-type nonlinear FBVPs with p-Laplacian operator

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خلاصه مقاله:

In this work, we establish the existence of at least two positive solutions for a coupled system of p-Laplacian fractional-order boundary value problems. Establishing the existence of positive solutions to the problem is challenging for a variety of reasons, the most important of which is a lack of compatibility with the kernel. To address these issues, we have included the necessary conditions for overcoming certain methodological hurdles on the kernel as well as adapting to the problem's nature of positivity. The method is based on the AH functional fixed point theorem.

کلمات کلیدی:

Fractional derivative, boundary value problem, p-Laplacian, Integral equation, kernel, positive solution

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