

# Existence of solutions of fractional p-laplacian systems with different critical Sobolev-Hardy exponents

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May 5, 2020

## Abstract

In this paper, we investigate a fractional p-Laplacian system with different critical Sobolev-Hardy exponents. By variational methods and the Mountain-Pass lemma, positive minimizers of the related best Sobolev constants and the existence of positive solutions of the system are found.

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