

Review of: "Multiplicity of solutions for nonlocal fractional equations with nonsmooth potentials"

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In this paper, the authors extend Ricceri's three critical points theorem to a non-smooth case. The approach is based on non-smooth analysis. As an application, they obtain the existence of at least three critical points for a differential inclusion fractional-Laplacian with kernel. The novelty of the paper and on the related literature is the introduction of a fractional -Laplacian operator with Kernel. In fact, the authors consider symmetric kernels K satisfying the following variant of a Levy-integrability type condition K_1 and the coercivity condition K_2 . The authors do not comment on why the consideration of kernels that are more general that $K(y, z) = |y-z|^{-(N+2s)}$ is of any interest.

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