

# NONLOCAL NEUMANN BOUNDARY CONDITIONS: PROPERTIES AND PROBLEMS

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We present some properties and existence results for problems involving the fractional  $p$ -Laplacian and a generic source term with nonlocal Neumann conditions on the boundary. Depending on the conditions on the source term, we use different techniques to obtain existence of solutions. When  $p = 2$ , we give a generalization considering problems involving both nonlocal and local interactions.