Nonexistence results and multiple solutions for p-Laplacian nonlocal problem

João Rodrigues dos Santos Júnior

Universidade Federal do Pará

We establish nonexistence results for a nonlocal *p*-Laplacian problem, generalizing recent work in the field. Additionally, we prove a multiplicity result that provides conditions for obtaining a prescribed number of positive solutions through suitable geometric constraints on a one-dimensional fixed-point map. Computable examples illustrating our main results are included. A joint work with Giuseppe Failla (University of Messina -Italy) and Leszek Gasinski (University of the National Education Commission - Poland)