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Maya Chhetri* (maya@uncg.edu), **Petr Girg** and **Elliott Hollifield**. *Existence of positive solutions for a class of superlinear fractional Laplacian problems.*

We consider a class of nonlinear fractional Laplacian problems with Dirichlet external condition. Using degree theory, combined with a re-scaling technique, we discuss the existence of positive weak solutions for a class of superlinear problem when the bifurcation parameter is small. (Received September 17, 2019)