

**Multiple solutions for the fractional  $p$ -Laplacian via  
degree theory**

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We study a Dirichlet type problem for a nonlinear, nonlocal equation driven by the degenerate fractional  $p$ -Laplacian with a jumping reaction, crossing the first eigenvalue. By means of Browder's degree for  $(S)_+$ -mappings and fractional spectral theory (in particular, monotonicity of weighted eigenvalues with respect to the weight), we prove existence of two nontrivial solutions.