Multiplicity of normalized solutions for p-Laplacian equation with critical growth in RN

Xueqin Peng[1]

[1]University of Shanghai for Science and Technology

June 2, 2021

Abstract

In this paper, we consider the following p-Laplacian equation ? ? ? ? ? -[?]pu + |u|p-2u - λu = μ|u|q-2u + |u|p*-2u, in RN, u > 0, [?] RNu2dx = a2, where a,μ > 0, -[?]pu = div(|[?]u|p-2[?]u),1 < p < N, λ [?] R is an unknown parameter that appears as a Lagrange multiplier, p < q

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P-Multiplicity-NS.pdf available at https://authorea.com/users/417526/articles/524598-multiplicity-of-normalized-solutions-for-p-laplacian-equation-with-critical-growth-in-rn