

Three solutions for Dirichlet boundary value problems driven by an a -Laplacian operator

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Talk Abstract

An overview on some results concerning the existence of at least three solutions for non-linear elliptic Dirichlet boundary value problems driven an a -Laplacian operator and with sub-linear reaction terms at zero, is given. No asymptotic conditions on the nonlinearity at infinity are required. In particular, one looks on those results obtained combining variational and truncation techniques.

Keywords: positive solutions, nodal solutions, nonlinear nonhomogeneous elliptic equations.

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