

EXISTENCE OF POSITIVE SOLUTION TO A QUASILINEAR ELLIPTIC PROBLEM IN R^N

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Abstract. In this paper we prove the existence of positive solution for the following quasilinear problem

$$\begin{aligned} -\Delta_p u &= a(x)f(u), \text{ in } \mathbb{R}^N, \\ u &> l > 0, \text{ in } \mathbb{R}^N, \\ u(x) &\rightarrow l, \text{ as } |x| \rightarrow \infty, \end{aligned}$$

where $\Delta_p u$, ($1 < p < \infty$) is the p -Laplacian operator. The proof is based on the results due to Diaz-Saà ([2]).

[Full text](#)

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