ENTIRE SOLUTIONS OF A SUBLINEAR ELLIPTIC PROBLEM ON HARMONIC NA GROUPS AND EUCLIDEAN SPACES.

Abstract Let L be the Laplace operator on \mathbb{R}^d , $d \geq 3$ or the Laplace Beltrami operator on the harmonic NA group. We give necessary and sufficient conditions for the existence of entire bounded or large solutions of the equation

$$\mathbf{L}u - \varphi(\cdot, u) = 0$$

under the hypothesis that the oscillation $\sup_{|x|=r} \varphi(x, \cdot) - \inf_{|x|=r} \varphi(x, \cdot)$ tends to zero as r tends to infinity at specified rate.