

REMARKS ON HÉNON PROBLEMS IN A BALL

Olimpio Miyagaki (UFSCAR)

Abstract

This talk will be concerned with some existence of positive solutions for a class of the Hénon problem in a unit ball, see [Hénon], with subcritical, critical and supercritical growths. The approach are via variational methods, employing the Mountain Pass Theorem due to Ambrosetti and Rabinowitz combined with compactness results due to [Ni], and also to Do Ó, Ruf and Ubilla [do O,Ruf,Ubilla]. Results are contained in the recent papers [Barboza et al., Miyagaki et al.].