

Título: Ground state solutions for quasilinear stationary Schrödinger equations

Resumo: We establish the existence of ground state solution for quasilinear Schrödinger equations involving critical growth. The method used here is minimizing the gradient integral norm in a manifold defined by integrals involving the primitive of the nonlinearity function. An effort is made to prove the existence results when the nonlinearity has critical growth and does not satisfies the Ambrosetti-Rabinowitz condition.