On Hardy type inequaties and applications to Schrödinger equations

Marco Aurélio Soares Souto [*]

In order to use the variational method to solve Schrodinger equations with nonlinearity like $K(x)u^p$, it is useful to study Sobolev immersions of convenient spaces.

---

[*]Unidade Acadêmica de Matemática e Estatística, UFCG , email: marco@dme.ufcg.edu.br