SEMINÁRIO DE ANÁLISE E EQUAÇÕES DIFERENCIAIS

Dia 26 de Outubro (quinta-feira), às 13h30, sala 6.2.33

Choquard type equations with Hardy-Littlewood-Sobolev critical growth

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Abstract: We are concerned with existence and concentration of ground state solutions to a class of nonlocal Schrödinger equations. We consider the case in which the nonlinearity exhibits critical growth, namely in presence of the Hardy-Littlewood-Sobolev lower, as well as upper critical exponents. Assuming mild conditions on the nonlinearity and by using variational methods, we obtain existence and non-existence results. The limiting case of dimension two is also addressed. (Joint works in collaboration with: J. Zhang; J. van Schaftingen and J. Zhang; C. Tarsi and M. Yang).

Local: FCUL – Edf. C6 - Piso 2, 6.2.33