SEMINÁRIO DE EQUAÇÕES DIFERENCIAIS

Radial sign-changing solutions to biharmonic nonlinear Schrödinger equations

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Resumo: In this work we obtain three radial solutions of a biharmonic stationary Schrödinger equation, being one positive, one negative and one that changes sign. The Dual Decomposition Method is used to split the natural second order Sobolev space considered in order to apply the appropriate variational approach.