

Meeting: 1001, Evanston, Illinois, SS 14A, Special Session on Nonlinear Waves

1001-35-376 **Gang Zhou*** (gzhou1@nd.edu) and **I M Sigal**. *Asymptotic Stability of Nonlinear Schrödinger Equations with Potential.*

We prove asymptotic stability of trapped solitons in the generalized nonlinear Schrödinger equation with a potential in dimension 1 and for even potential and even initial conditions. (Received August 31, 2004)