

abstract

GEOMETRIC PDE SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

Conditional on the scattering conjecture of the mass-critical nonlinear Schrodinger equation in spatial dimension one, we show that there exists a blow-up solution to the mass-critical generalized Korteweg de Vries equation (gKdV) with the minimal mass if the scattering conjecture for gKdV fails; furthermore, we show that this minimal element is almost periodic modulo symmetries. (Joint with Kwon and Visan)