

Analysis and Applied Mathematics Seminar

Random data Cauchy theory for some nonlinear dispersive equations

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Abstract: In this talk, I will discuss several problems on nonlinear wave and dispersive equations with random initial data, including the energy critical nonlinear wave and Schroedinger equations, and derivative nonlinear wave equations. I will present several almost sure well-posedness and scattering results for these equations and contrast the ways in which random data techniques can be exploited in these different contexts.

Monday, November 5 at 4:00 PM in 636 SEO