Mathematics, Statistics, and Computer Science **@ UIC**

Analysis and Applied Mathematics Seminar

Smoothing estimates for nonlinear dispersive PDE

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Abstract: In this talk, we will discuss recent results on a smoothing property of nonlinear dispersive PDE stating that the nonlinear part of the evolution is smoother than the initial data, and some applications of this phenomenon. We will concentrate on the cubic NLS equation on the torus, the real line, and the half-line.

Monday, April 11 at 4:00 PM in SEO 636