

**Courant Institute of Mathematical Sciences**  
Mathematics Colloquium  
February 7, 2011

Speaker: **Frank Merle, Universite Cergy-Pontoise & IHES**

Title: Blow-up global existence for dispersive critical problems.

Abstract: "We will give a review on various problems to relate existence of soliton for dispersive problems to dynamical properties of solutions of the equation. We will illustrate this relation in the case of nonlinear Schrodinger, wave, and generalised KdV equations."