Speaker: Rafael Barostichi
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Friday, July 13, 2012
3:00 PM
258 Hurley Hall

Title: Analytic theory of weakly dispersive equations

Abstract:

We shall present detailed proofs of two versions of the Ovsiannikov theorem and then use these results in order to prove local well-posedness of an abstract Cauchy problem in a space of periodic functions that extend analytically in a strip of the complex plane around the x-axis. Then, we apply this result to some important weakly dispersive equations.