



Speaker: Jennifer Beichman
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Tuesday, October 23, 2012
11:00 AM
258 Hurley Hall

Title: New decay estimates for a class of 1D dispersive PDE and applications to the 2D water wave problem

Abstract:

The water wave problem in 2D reduces to a 1D problem on the interface which acts like a dispersive PDE in some sense. From this starting point, I will present joint work with Sijue Wu deriving decay estimates for a class of 1D dispersive PDE including the water wave case, with precise applications to the existence for the solutions of the 2D water wave problem.