



Speaker: Alex Himonas
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Tuesday, September 4, 2018
11:00 AM
258 Hurley Hall

Title: Persistence of spatial analyticity for nonlinear evolution equations

Abstract:

In this talk we will discuss the persistence of spatial analyticity for solutions of the Cauchy problem of two important integrable evolutions equations, namely, the Korteweg-de Vries and the Camassa-Holm equations. For a class of analytic initial data with a given uniform radius of analyticity, we shall present lower bounds on the uniform radius of analyticity at any time.