



Speaker: Alex Himonas
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Tuesday, February 5, 2008
11:00 AM
258 Hurley Hall

Title: Non-uniform Dependence of Solutions of the Periodic Camassa-Holm Equation

Abstract:

Using approximate solutions we show that the solution map for the periodic Camassa-Holm equation is not uniformly continuous in Sobolev spaces with exponent greater or equal to one. This extends earlier results to the whole range of Sobolev exponents for which local well-posedness of CH is known.