
Speaker: Curtis Holliman
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Tuesday, July 17, 2018

1:30 PM

258 Hurley Hall

Title: Nonuniqueness for Nonlocal Equations

Abstract:

We consider a nonlocal PDE that has peaked-soliton solutions. We examine the collision of these solitons in Sobolev spaces with exponent less than $3/2$ to show that at the collision time, this solution precisely coincides with a traveling wave solution. Using the time reversibility of equations of this type, we thus obtain nonunique solutions.