

PDE, COMPLEX ANALYSIS AND DIFFERENTIAL GEOMETRY SEMINAR

Guest Speaker: Curtis Holliman
The Catholic University of America

Date: Thursday, March 5, 2020

Time: 1:00 PM

Location: 258 Hurley Hall



Lecture Title:

Stability Properties for Generalizations of Novikov's Equation

Abstract

We discuss some new techniques that allow us to examine the instability for generalizations of Novikov's equation when the initial data are taken in rough spaces. We utilize peakon collisions to construct examples of instability and also generate nonunique solutions to the family of equations.