

*Department of Mathematics,
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Math 248 - Analysis Seminar

Jason Metcalfe

UNC

Local well-posedness for quasilinear Schrodinger equations

Abstract:

I will speak on a recent joint study with J. Marzuola and D. Tataru which proves low regularity local well-posedness for quasilinear Schroedinger equations. Similar results were previously proved by Kenig, Ponce, and Vega in much higher regularity spaces using an artificial viscosity method. Our techniques, and in particular the spaces in which we work, are motivated by those used by Bejenaru and Tataru for semilinear equations.

Hosts: Ioan Bejenaru & Jacob Sterbenz

Tuesday, March 21, 2017

10:00 AM

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