IP/DIFFERENTIAL GEOMETRY/PDE SEMINAR

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Padelford C-36
4–5PM

2-dimensional Schroedinger operators related to a well-posedness problem

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The purpose of this talk is to discuss the influence of the 2-dimensional linear Schroeddinger operator in the dynamics and evolution of a dispersive, non-local PDE called the Novikov-Veselov equation. We will describe solutions well-posed in Bourgain spaces. We will also mention how the scattering problem can be associated to the long-time behavior for solutions of this equation. These are recent works with Anna Kazeykina (U. Paris-Sud).

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, `www.math.washington.edu`, follow the link **Seminars, Colloquia, and Conferences**).