DIFFERENTIAL GEOMETRY/PDE SEMINAR

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Padelford C-36
4PM–5PM

Some problems of uniqueness for the Ricci flow on noncompact manifolds

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At present, there are a number of basic unresolved questions about the qualitative behavior of general smooth solutions to the Ricci flow on noncompact manifolds which naturally reduce to problems of their uniqueness (or that of an associated system) within an appropriate class. I will survey some of these questions and describe some related results from two recent projects (one joint with Ovidiu Munteanu and Jiaping Wang) concerning the uniqueness of solutions of potentially unbounded curvature and the persistence of uniformly bounded curvature along the flow.

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**).