DIFFERENTIAL GEOMETRY/PDE SEMINAR

Wednesday, April 13, 2005
Padelford C-36
3:50-5pm

Integral geometry problem for magnetic flows and its applications to rigidity

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In this talk, we will discuss some results for the integral geometry problem for Anosov magnetic flows. The results are a joint work of the speaker with G. Paternain. We give applications to rigidity problems. The first is a rigidity theorem for contact magnetic flows of surfaces. The second is the action spectra rigidity for magnetic flows and, as a consequence, the eigenvalue rigidity for the twisted Laplacian.

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**).