

IP/DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, MARCH 11, 2015

SIG 229

1:30–2:30PM

On some inverse problems arising in the p -Laplacian model

Manas Kar

(U OF WASHINGTON)

Inverse problems for non-linear equations have been of great interest recently. We will discuss the p -Calderon problem, which is a nonlinear generalization of the inverse conductivity problem due to Calderon that involves the p -Laplacian equation. We mainly will trace on the enclosure method in order to reconstruct the unknown obstacles and the interior uniqueness result for the conductivities.

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**).

The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation contact the Disability Services Office at least ten days in advance at: 206-543-6450/V, 206-543-6452/TTY, 206-685-7264 (FAX), or dso@u.washington.edu.