

# IP/DIFFERENTIAL GEOMETRY/PDE SEMINAR

TUESDAY, JANUARY 27, 2015

LOW 115

4–5PM

Calderon's problem for rough conductivities

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(UC BERKELEY)

Calderon's problem asks whether the coefficients of an elliptic equation can be recovered from its Dirichlet-to-Neumann map. Sylvester and Uhlmann introduced the method of complex geometrical optics solutions to show that this is possible when the coefficients are assumed to be sufficiently nice. In this talk we will discuss some recent work using methods from dispersive equations to construct these CGO solutions under less stringent regularity conditions for the coefficients.

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

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