# IP/DIFFERENTIAL GEOMETRY/PDE SEMINAR

Tuesday, March 10, 2015
LOW 115
4–5PM

## Broken ray tomography and related inverse problems

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In X-ray tomography one wants to recover a function in a domain from its integral over all lines. In broken ray tomography the lines are replaced with broken rays which reflect on a part of the boundary of the domain. This is can be seen as a partial data version of the X-ray tomography problem and it is indeed related to Calderon's problem with partial data. I will discuss possible approaches to the broken ray tomography problem, its relation to other inverse problems and recent results.

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**).