IP/DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, FEBRUARY 4, 2015
PADELFORD C-36
4–5PM

Multi-physics imaging models in discontinuous media

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In many multi-physics models, smoothness of the PDEs parameters is often assumed to get reconstruction and stability results. In some cases, this assumption is far from the physical reality of the considered medium. I will discuss on the difficulties to set up a good model of discontinuous parameters for an imaging purpose and I will explain why it is important to do so. I will present some models where "SBV type" coefficients can be recovered with resolution and stability.

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**).