FRG Harmonic Analysis Seminar

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*Traces in Hardy spaces and applications*

**Abstract:** We give some natural size and cancellation conditions guaranteeing that functions defined in a Lipschitz domain have traces in Hardy spaces on its boundary. This builds on a long line of results, going back to the work of Calderon, Coifman, and Wilson, among others. Applications to compensated compactness are also presented. In particular, we give new proofs and extensions to the classical (by now) div-curl and Jacobian lemmas.

October 31, 2005
110 Mathematical Sciences
4:00 p.m.-4:50 p.m.