

Meeting: 1000, Albuquerque, New Mexico, SS 12A, Special Session on Regularity in PDEs and Harmonic Analysis

1000-45-152 **Irina Mitrea*** (im3p@virginia.edu), University of Virginia, Department of Mathematics,
Kerchof Hall, Charlottesville, VA 22904. *Norm estimates for inverses of singular integrals in two
dimensions.*

We produce norm estimates for inverses of singular integral operators relevant for Dirichlet, Neumann, tangential and oblique boundary value problems associated with the Laplacian in a distinguished subclass of Lipschitz domains in two dimensions. (Received August 23, 2004)