Meeting: 1003, Atlanta, Georgia, SS 5A, AMS Special Session on Radon Transform and Inverse Problems, I

1003-44-1541 **Carlos A. Berenstein*** (carlos@math.umd.edu), Mathematics Department, Univ. of Maryland, College Park, MD 20742, **Dennis Healy** (dhealy@math.umd.edu), Department of Mathematics, University of Maryland, College Park, MD 20742, and **Glenn Easley**. *The role of the Radon Transform in image processing.* Preliminary report.

We will describe ongoing joint research of the three authors on the role that the 2-d Radon transform plays in image processing, such as denoising, deblurring, segmentation, and edge detection. (Received October 05, 2004)