

1014-35-885

William Rundell* (rundell@math.tamu.edu), Department of Mathematics, Texas A&M University, College Station, TX 77843. *Inverse Obstacle problems for Laplace's Equation*. Preliminary report.

This talk looks at several methods for the reconstruction of interior obstacles from boundary measurements. Specifically, we consider the problem to be modelled by Laplace's equation and the boundary data to consist of a single set of Cauchy data measured on the outer boundary. (Received September 26, 2005)