WICHITA STATE UNIVERSITY
Department of Mathematics and Statistics

The Lecture Series in the
Mathematical Sciences Presents Our Guest:

Professor Gunther Uhlman
Department of Mathematics,
University of Washington, Seattle

"Inverse Scattering in Anisotropic Media"

Abstract:

In this talk, we consider one of the basic inverse problems in anisotropic media. This involves the determination of a Riemannian metric which is Euclidian outside a ball from scattering information.

This problem is closely related to the question of whether one can determine a Riemannian metric on a bounded domain by measuring the travel times of geodesics through the domain. We will discuss the relationship between these two problems and some recent results.

Friday, March 20, 1998
3:00 PM in 335 Jabara Hall

Please come welcome our guest and join us for refreshments before the lecture at 2:30 p.m. in room 353 Jabara Hall.