Temple University Mathematics Colloquium

Robert Seeley

University of Massachusetts, Boston

will speak on

Zeta functions, heat kernels, and resolvents for elliptic operators

Associated with the classical elliptic operators (Laplace, Dirac, Schrodinger) there are zeta functions, generalizing the Riemann zeta function. We will review some of the many questions from geomoetry and physics motivating the study of these functions, and discuss the nature of their poles and residues in various geometric situations.

Monday, April 25, 2005
Lecture at 4:00 PM($\sharp$), refreshments at 3:00 PM.
Room 617, Wachman Building
Department of Mathematics