

ON GREEN'S FUNCTIONS FOR SINGULAR ELLIPTIC PARTIAL DIFFERENTIAL EQUATIONS

THOMAS, KRAINER (PENN STATE ALTOONA)

ABSTRACT. In this talk I will survey recent results obtained in joint work with Juan Gil (Penn State Altoona) and Gerardo Mendoza (Temple University, Philadelphia) about the asymptotics of the resolvent kernel for realizations of elliptic operators on manifolds with conical singularities.

I am very pleased to give this talk during the Special Session honoring Professor B.-W. Schulze. I will indicate how Professor Schulze's work on pseudodifferential operators on manifolds with edges impacted our investigations of this problem.