1035-58-1234     **M. R. Sandoval\*** (`mary.sandoval@trincoll.edu`), 300 Summit Street, Department of Mathematics, Trinity College, Hartford, CT 06106. *Partial Wave-traces for Two Classes of Examples of Singular Spaces.*

Two classes of examples of singular spaces are (1) the space of leaf closures of a Riemannian foliation $(M, \mathcal{F})$, and (2) the space of orbits of a Lie group $G$ acting on a manifold $Y$ by isometries. These classes of examples are related to one another. In this talk the proofs of the derivations of parial wave trace formulae for (1) basic Laplacian on $(M, \mathcal{F})$ and (2) the $G$-basic Laplacian on the $G$-manifold $Y$. (Received September 19, 2007)