Philadelphia Area Number Theory Seminar

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Fourier Coe cients of Vector-Valued Poincare Series

Abstract: Poincare series are an invaluable tool in the construction of automorphic forms, and their coe cients have been well studied. In the classical case, one can use Lipschitz summation to get an exact formula that involves Kloosterman sums and Bessel functions. For vector-valued Poincare series, if the associated representation is \normal", one also obtains a nice exact formula that involves Bessel functions and \generalized Kloosterman