

NUMBER THEORY SEMINAR
Tuesday, May. 18, 4.30 - 5.30 pm, MS 6221

Ben Brubaker, Stanford

May 18, 2004

Title: "Applications of Eisenstein Series on the Metaplectic Group"

Abstract: We will review the formulation of metaplectic Eisenstein series, which can roughly be regarded as certain twists of the usual spectral Eisenstein series attached to subgroups of $GL(n)$. By examining their Fourier coefficients, we obtain interesting Dirichlet series containing various products of L-functions and Gauss sums from which we derive arithmetic applications. We will survey results of the past year using this method and formulate a general context at the conclusion of the talk.