

## **Quadratic twists of Siegel modular forms of paramodular level: motivation and local aspects**

Brooks Roberts, University of Idaho

For every quadratic Dirichlet character there is a linear map from the space of elliptic modular forms of a fixed weight and level to the space of elliptic modular forms of the same weight and a known increased level. In joint work with Jennifer Johnson-Leung, we have defined and calculated an analogous twisting map for Siegel modular forms of degree two and paramodular level. In this talk we will discuss some motivation for this map and its local origin and behavior.