

1105-11-44

Nathan C. Ryan* (nathan.ryan@bucknell.edu), Department of Mathematics, Bucknell University, Lewisburg, PA 17837, and **Gonzalo Tornaría**, Universidad de la República, 11300 Montevideo, Uruguay. *Formulas for central values of twisted spin L -functions attached to paramodular forms*. Preliminary report.

In the 1980s Böcherer formulated a conjecture relating the central values of the imaginary quadratic twists of the spin L -function attached to a Siegel modular form F to the Fourier coefficients of F . This conjecture has been proved when F is either a Yoshida lift or a Saito-Kurokawa lift. More recently, we formulated an analogous conjecture for paramodular forms F of prime level, even weight and in the plus-space. In this talk, we examine this conjecture and some of its generalizations. (Received August 23, 2014)