

1128-11-272

Jennifer Johnson-Leung* (jenfns@uidaho.edu), Moscow, ID 83843. *Examples of Paramodular Surfaces*. Preliminary report.

The paramodular conjecture predicts that there is a bijective correspondence between isogeny classes of abelian surfaces of conductor N defined over the rational numbers with simple endomorphism ring and Siegel paramodular newforms with rational eigenvalues which are not in the span of the Gritsenko lifts. In this talk we will discuss several classes of examples which satisfy the paramodular conjecture. (Received February 28, 2017)