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Jennifer M Johnson-Leung* (jenfns@uidaho.edu) and **Brooks Roberts**. *On the modularity of hyperelliptic curves of genus 2.*

The paramodular conjecture of Brumer and Kramer states that there is a one-to-one correspondence between abelian surface of conductor N and Siegel modular forms of genus 2 and paramodular level N . In this talk, I will discuss a quadratic twisting map from the space of Siegel modular forms of paramodular level N to the space of Siegel modular forms of paramodular level Np^4 which corresponds to the quadratic twisting of the associated hyperelliptic curve. (Received September 15, 2015)