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)