Ralf Schmidt and Salam Turki* (sturki@newhaven.edu). *Triply imprimitive representations of GL(2).

We give a criterion for an irreducible, admissible, supercuspidal representation $\pi$ of $GL(2;K)$, where $K$ is a $p$-adic field, to become a principal series representation under every quadratic base change. We determine all such $\pi$ that have trivial central character and conductor 2, and explain their relevance for the theory of elliptic curves. (Received September 21, 2015)