

1115-20-365

Camelia Karimianpour* (ckari099@uottawa.ca), Ottawa, K1S2A1, Canada. *On the K-types of the Unramified Principal Series Representations of the n -fold Metaplectic Covers of $SL_2(\mathbb{F})$.* Preliminary report.

Covering groups of $SL_2(\mathbb{F})$, for a p -adic field \mathbb{F} , are topological central extensions of $SL_2(\mathbb{F})$ by the group of n -th roots of unity. In this talk, we compute the K-types of the principal series representations of these covering groups. Among these representations are the reducible unramified principal series representations for which we investigate the distribution of the K-types into its irreducible constituents. (Received September 22, 2015)