On the decomposition of the Weil Representation

Shu Yen Pan

Department of Mathematics, National Tsing Hua University, Taiwan

Abstract. In this talk we would like to discuss the decomposition of the Weil representation of a finite symplectic group and an odd orthogonal group in terms of the Deligne-Lusztig virtual characters. Basically we follow B. Srinivasan's idea and extend her result.