

GRADUATE SEMINAR

Moumita Shau

Weil representation of symplectic groups

PhD Student supervised by Allen Herman and Fernando Szechtman

November 26, 2018

Time 1:30 pm

Location Math and Stat Lounge (CW 307.20)

Abstract: We examine the construction and basic properties of the Weil representation of the symplectic group $Sp_{2n}(F_q)$, where F_q is a finite field with q elements and of prime characteristic. All preliminary background from group representation theory will be reviewed first along with illustrative examples.