

GRADUATE SEMINAR

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Weil representation of unitary groups

PhD Student supervised by Allen Herman and Fernando Szechtman

March 25, 2018

Time 1:30 pm

Location Math and Stat Lounge (CW 307.20)

Abstract:

Let A be a finite local principal ideal ring with an involution and let V be an A -module of even rank $2m$. The residue field of A has odd characteristic and the nilpotency degree of the maximal ideal of A is odd. We define the Weil representation of the unitary group $U_{2m}(A)$ and we decompose the Weil module into irreducible constituents.