

abstract

Joint IAS-PU Number Theory Seminar
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

We consider a generalization of Serre's conjecture for irreducible, conjugate self-dual Galois representations $\rho : G_F \rightarrow GL_3(\overline{F}_p)$, where F is an imaginary quadratic field in which p splits. We previously gave a conjecture for the possible Serre weights of ρ . If ρ is modular and irreducible locally at p we establish this conjecture, modulo weights that are close to the boundary. Under our assumptions there are 9 predicted weights. This is joint work with Matthew Emerton and Toby Gee.