

ABSTRACT

On Artin representations and nearly ordinary Hecke algebras over totally real fields

I will explain how to prove an analogue in the “completely split” Hilbert case of a result of Buzzard and Taylor about two-dimensional Artin representations and weight one forms, and prove new cases of the strong Artin conjecture for totally odd, two-dimensional “icosahedral” representations of the absolute Galois group of a totally real field.