

abstract

JOINT IAS/PU NUMBER THEORY SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

We prove, under mild hypotheses, there are no irreducible two-dimensional ordinary even Galois representations of the Galois group of \mathbb{Q} with distinct Hodge-Tate weights, in accordance with the Fontaine-Mazur conjecture. We also show how this method can be applied to a related circle of problems.