

Speaker: Madhav Nori

Title: Galois and Motivic Galois Groups

Abstract:

This is a report of joint work with Chris Wallace. The Galois group of the algebraic closure of a number field acts on the étale cohomology of a variety with $\hat{\mathbb{Z}}$ coefficients. The objective is to determine the image of the Galois group in this action up to commensurability. This is almost achieved modulo a Mittag-Leffler condition which we conjecture.