



Seminar

K-Theory, Quadratic Forms and Number Theory

Title: A non-abelian Stickelberger theorem

Speaker: Dr. Henri Johnston (Cambridge)

Date: Wed 14th April 2010 at 4:00PM

Location: Mathematical Sciences Seminar Room

Abstract: Let L/k be a finite Galois extension of number fields with Galois group G (not necessarily abelian). For every odd prime p satisfying certain mild technical hypotheses, we use values of Artin L -functions to construct an element in the centre of the group ring $\mathbb{Z}_{(p)}[G]$ that annihilates the p -part of the class group of L . This is joint work with David Burns.