



Seminar

K-Theory, Quadratic Forms and Number Theory

Title: An introduction to Milnor-Witt K-theory

Speaker: Dr Kevin Hutchinson (UCD)

Date: Wed 2nd May 2007 at 4:00PM

Location: Mathematical Sciences Seminar Room

Abstract: This is primarily an expository talk on the work of Fabien Morel. Milnor-Witt K-theory arises as a graded algebra of homomorphisms - or cohomology operations - in the ' A^1 -homotopy category'. *The Milnor-Witt K-theory of a field has a particularly elegant theory and to the powers of the fundamental ideal in the Witt Ring of the field. I will discuss the relation to*

Time permitting, I will discuss ongoing work with L. Tao on the relation to the homology of special linear groups.