K-Theory, Quadratic Forms and Number Theory
Seminar

Title: Generic splitting for abstract Witt rings

Speaker: Vincent Astier (Universitaet Konstanz)

Date: Tue 17th July 2007 at 3:00PM

Location: Mathematical Sciences Seminar Room

Abstract: The theory of generic splitting of quadratic forms over a field K describes how we can add (generic) zeros to a given quadratic form over K by going to a field extension of K, and then describes the Witt ring of some of these extensions.

Using some notions from model theory, we present a possible generalization of these techniques to abstract Witt rings (more precisely: to special groups), so to a situation whithout any underlying field.