

UCD School of Mathematics and Statistics

University College Dublin Belfield, Dublin 4, Ireland Tel +353 1 7

Fax

An Coláiste Ollscoile, Ba Belfield, Baile Átha Clia

Email

Web

+353 1 716 2580 +353 1 716 1196 Scoil na Matamaitice agus na Staitisticí UCD

An Coláiste Ollscoile, Baile Átha Cliath Belfield, Baile Átha Cliath 4, Éire

> seminars@maths.ucd.ie maths.ucd.ie/seminars

K-Theory, Quadratic Forms and Number Theory Seminar

Vincent Astier (Universitaet Konstanz)

will speak on

Generic splitting for abstract Witt rings

Tue 17th July 2007 at 3:00PM

Location: Mathematical Sciences Seminar Room

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.

This talk is part of the K-Theory, Quadratic Forms and Number Theory series. For more, see https://maths.ucd.ie/seminars