K-Theory, Quadratic Forms and Number Theory Seminar

Dr. Vincent Astier (UCD)

will speak on

Elementary equivalence of lattices of open sets definable in o-minimal expansions of fields

Thu 10th November 2011 at 4:00PM

Location: Mathematical Sciences Seminar Room (Ag 1.01)

The main result is that lattices of open definable subsets of o-minimal expansions of fields are always elementary equivalent, and the aim of the talk is mostly to explain what it means. I will present the notions of elementary equivalence (a model-theoretic approach to comparing structures) and o-minimality, then try to show what all of this has to do with lattices of open sets. Finally I will present the result and the tools used to obtain it.

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