K-Theory, Quadratic Forms and Number Theory Seminar

Nicolas Grenier-Boley (Universite Paris 13)

will speak on

Sums of values represented by a quadratic form

Wed 2nd February 2011 at 3:00PM

Location: Mathematical Sciences Seminar Room

Let K be a field of characteristic different from 2. To each quadratic space (V, q) over K, we attach a number called the q-level of K which is a possible generalization of the level of K. In this talk, we will give some general results and examples about this number and highlight the case where q is a Pfister form over K by obtaining generalizations of classical results in the algebraic theory of quadratic forms.

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