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K-Theory, Quadratic Forms and Number Theory Seminar

Robert Osburn

will speak on

Gaussian hypergeometric functions and supercongruences

Wed 27th September 2006 at 4:00PM

Location: Mathematical Sciences Seminar Room

In 1984, Greene introduced the notion of hypergeometric functions over finite fields. Special values of these functions have recently been of interest as they are related to numbers of F_p points on algebraic varieties and to Fourier coefficients of modular forms. In this talk, we discuss general mod p^3 congruences of Ahlgren, Loh – Rhodes, and of Mortenson. This is joint work with Carsten Schneider (Linz).

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