



Seminar

K-Theory, Quadratic Forms and Number Theory

Title: Gaussian hypergeometric functions and supercongruences

Speaker: Robert Osburn

Date: Wed 27th September 2006 at 4:00PM

Location: Mathematical Sciences Seminar Room

Abstract: 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 \mathbb{F}_p points on algebraic varieties and to Fourier coefficients of modular forms. *Int. Ahlgren, Loh–Rhodes, and of Mortenson. This is joint work with Carsten Schneider (Linz).*