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K-Theory, Quadratic Forms and Number Theory Seminar

Dr. Robert Osburn (UCD)

will speak on

Supercongruences for Apery-like numbers

Thu 27th October 2011 at 4:00PM

Location: Mathematical Sciences Seminar Room (Ag 1.01)

It is known that the numbers which occur in Apery's proof of the irrationality of the zeta function evaluated at 2 have many interesting congruence properties while the associated generating function satisfies a second order differential equation. In this talk, we discuss a proof of supercongruences for a generalization of numbers which arise in Beukers' and Zagier's study of integral solutions of Apery-like differential equations. This is joint work with Brundaban Sahu (NISER, India).

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