



## Algebra and Number Theory Seminar

**Title:** Golay pseudocodewords

**Speaker:** Nigel Boston (UCD/CSI)

**Date:** Mon 23rd March 2009 at 4:00PM

**Location:** Mathematical Sciences Seminar Room

**Abstract:** The minimum pseudodistance of a code is a better measure of performance than its minimum distance. Many people have tried and failed to show that the (tail-biting trellis of the) extended binary Golay code has minimum pseudodistance 8. I explain these terms and introduce a new technique using multivariate weight enumerators.