



Algebra and Number Theory Seminar

Title: Constant rank subspaces of matrices I

Speaker: Rod Gow (UCD)

Date: Mon 15th September 2008 at 4:00PM

Location: Mathematical Sciences Seminar Room

Abstract: This will be a survey of questions relating to subspaces of $n \times n$ matrices all of whose non-zero elements have the same rank. We will describe known results bounding the dimensions of such subspaces and give some constructions using field-theoretic techniques. We will also discuss the group of equivalences of certain of these subspaces.