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**Scoil na
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Algebra and Number Theory Seminar

Rod Gow (UCD)

will speak on

Rank Problems for Subspaces of Symmetric or Hermitian Matrices Over Finite Fields

Mon 18th October 2010 at 4:00PM

Location: Mathematical Sciences Seminar Room

Using a counting method, we obtain bounds for the dimensions of subspaces of symmetric or hermitian matrices that satisfy certain restrictions on the ranks of their elements. In some cases, the bounds are optimal. We assume in most of the work that we are working over a finite field.

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