Algebra and Number Theory Seminar

Rod Gow

will speak on

Constant rank subspaces of matrices 2

Mon 22nd September 2008 at 4:00PM

Location: Mathematical Sciences Seminar Room

We will use octonions to construct a 7-dimensional constant rank 6 subspace of real 7 x 7 skew-symmetric matrices which is invariant under the compact Lie group $G_2(R)$. $The action of the group is transitive on the one-dimensional subspaces of this space, implying in a strong way the constant rank property of the subspace.$

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