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i Seminar

Mr. Klaas-Tido Ruehl (EPFL)

will speak on

The structure of annihilating polynomials for quadratic forms

Wed 11th February 2009 at 4:00PM

Location: Mathematical Sciences Seminar Room

Let $R[X]$ be the polynomial ring in one variable over a principal ideal domain R . For any given ideal I in $R[X]$

This talk is part of the *i* series. For more, see

<https://maths.ucd.ie/seminars>

it is possible to construct a set of generators P_1, \dots, P_r with certain nice properties. We apply and refine these results in the case of $R = \mathbb{Z}$. If m is the minimal natural number such that mQ lies in I , we can furthermore use the method to deduce an upper bound for the number of generators.