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K-Theory, Quadratic Forms and Number Theory Seminar

Dr. Masha Vlasenko (MPIM, Bonn)

will speak on

Computation of an asymptotics related to Nahm's conjecture

Wed 3rd November 2010 at 3:00PM

Location: Mathematical Sciences Seminar Room

We consider certain functions $F_{A,B,C}$ in the upper half-plane given as a q -series depending on parameters (A, B, C) where A is a matrix with rational entries, B is a rational r -vector and C is a rational number. Several years ago Werner Nahm has found a form for $r=1$, and these triplets satisfy Nahm's criterion. For $r=2$ we have already found a counterexample, hence the criterion should have a special form and this gives in a finite number of polynomial equations on the entries of A and B . However these

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