Seminar

K-Theory, Quadratic Forms and Number Theory

Title: Computation of an asymptotics related to Nahm's conjecture

Speaker: Dr. Masha Vlasenko (MPIM, Bonn)

Date: Wed 3rd November 2010 at 3:00PM

Location: Mathematical Sciences Seminar Room

Abstract: We consider certain functions $F_{A,B,C} intheupperhalf - planegivenasaq - seriesdependingonparameters(A, B, C)whereAisapositivedefiniterxr - matrixwithrationalentrie$
$vectorandCisarationalnumber.SeveralyearsagoWernerNahmhasformulatedaconjecturalcriteric$
$1, andthesetriplessatisfyNahm'scriterion.Forr = 2wehavealreadyfoundacounterexample, hencet$
$1wouldhavespecialformandthisgivesinfinitenumberofpolynomialequationsontheentriesofAandB$