Oklahoma State University

Colloquium

Title

The distribution of integral points on homogeneous varieties

Speaker:Sheng-Chi Liu, Texas A&M UniversityDate:Jan 25, 2013Time:4:00 PMRoom:MS 514

Abstract: In this talk we will give a broad overview of the Linnik problems concerning the equidistribution of integral points on homogeneous varieties. One particular example concerns the Heegner points, which are roots in the complex upper-half plane of certain quadratic forms. We will discuss certain "sparse" equidistribution problems concerning these points. The resolution of these problems involves a wide-range of techniques concerning modular forms and their associated L-functions, both on SL_2 and higher rank groups.