

## **abstract**

Joint IAS-PU Number Theory Seminar  
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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We will discuss the value distribution of the Epstein zeta function  $E_n(L, cn)$  for real  $c$  and a random lattice  $L$  of covolume 1 and large dimension  $n$ . Important ingredients in our study will be the distribution of vector lengths in a random lattice as the dimension  $n$  tends to infinity and a new bound on the remainder term in the generalized circle problem. We will also present some applications of our results to for example the distribution of heights of flat tori.