Alex Lubotzky  
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will speak on

Counting representations of arithmetic groups

ABSTRACT: Given a higher rank arithmetic group (e.g. $\text{SL}(3, \mathbb{Z})$) it has $r(n)$ complex irreducible representations of degree $n$. We will study the the rate of growth of $r(n)$, the associated zeta function $\sum_n r(n)n^{-s}$, its Euler factorisation etc. Some connections with subgroup growth, congruence subgroup property and super-rigidity will be shown. (Based on joint works with B. Martin and with M. Larsen).

Monday, January 30, 2006  
Lecture at 4:00 PM (\#)  
Coffee, tea, and refreshments from 3-5 PM.  
Room 617, Wachman Building  
Department of Mathematics