

## **abstract**

ARITHMETIC HOMOGENEOUS SPACES

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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Given a higher rank arithmetic group (E.g.  $SL(3, \mathbb{Z})$ ) 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  $\sum(r(n)n^{-s})$ , 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.