

abstract

SPECIAL LECTURE

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

Let Γ be a non-cocompact lattice on a right-angled building X . Examples of such X include products of trees, or Bourdon's building $I_{\{p,q\}}$, which has apartments hyperbolic planes tessellated by right-angled p -gons and all vertex links the complete bipartite graph $K_{\{q,q\}}$. We prove that if Γ has a strict fundamental domain then Γ is not finitely generated. The proof uses a topological criterion for finite generation and the separation properties of subcomplexes of X called tree-walls. This is joint work with Kevin Wortman (Utah).