

## **abstract**

MEMBERS SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

---

The Lubotzky-Sarnak Conjecture asserts that the fundamental group of a finite volume hyperbolic manifold does not have Property  $\tau$ .

Put in a geometric context, this conjecture predicts a tower of finite sheeted covers for which the Cheeger constant goes to zero. This Conjecture has attracted a lot of attention recently because of its connections to the topology of finite sheeted covers of closed hyperbolic 3-manifolds. This talk will discuss these connections, together with recent work that connects these circles of ideas with the group theoretic property LERF (a far reaching generalization of residually finite).