

**Logic Seminar**

*Fast Growth in the Folner Function for Thompson's Group  $F$ .*

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**Abstract:** While it is not known whether Thompson's group  $F$  is amenable, I will establish a lower bound on the cardinality of its Foelner sets. In particular, I will demonstrate the following: There is a constant  $C > 1$  such that if  $A$  is a  $C^{-n}$ -Foelner set in  $F$ , then  $A$  contains at least  $H(n)$  elements, where  $H(0) = 0$  and  $H(n + 1) = 2^{H(n)}$ .

Tuesday, November 10 at 4:00 PM in SEO 612