

## Midwest Dynamical Systems

### *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 Folner function for  $F$ . In particular, I will demonstrate the following: For each generating set, there is a constant  $C > 1$  such that if  $A$  is a  $C^{-n}$ -Folner set in  $F$ , then  $A$  contains at least  $H(n)$  elements, where  $H(0) = 0$  and  $H(n+1) = 2^{H(n)}$ .

Saturday, November 7 at 4:00 PM in SEO 636