HARALD HELFGOTT, Université de Montréal Growth and generation in  ${\rm SL}_2(Z/p)$ 

Some groups can be generated slowly. Some groups can't. In some groups, sets can grow slowly. In some other groups, sets can't. What goes wrong when additive combinatorics goes non-abelian—and how can this "wrongness" help us where automorphic forms have not?