HOW MUCH COHOMOLOGY DO ARITHMETIC GROUPS HAVE?

Frank Calegari

Let G be an arithmetic group. In this talk, I will describe some conjectures concerning the growth of homology (in characteristics p and zero) as one takes the tower of congruence subgroups $G(p^n)$ of p-power order and lets $n \to \infty$. These predictions come (in part) from considerations in the Landlands program.