

Selected References for Lecture 3

11 November, 2021

- Grunewald, F. J., D. Segal, and G. C. Smith (1988). “Subgroups of finite index in nilpotent groups”. In: *Invent. Math.* 93.1, pp. 185–223. URL: <https://doi.org/10.1007/BF01393692>.
- Hrushovski, E. and A. Pillay (1995). “Definable subgroups of algebraic groups over finite fields”. In: *J. Reine Angew. Math.* 462, pp. 69–91.
- Lubotzky, Alexander and Avinoam Mann (1991). “On groups of polynomial subgroup growth”. In: *Invent. Math.* 104.3, pp. 521–533. URL: <https://doi.org/10.1007/BF01245088>.
- Lubotzky, Alexander, Avinoam Mann, and Dan Segal (1993). “Finitely generated groups of polynomial subgroup growth”. In: *Israel J. Math.* 82.1-3, pp. 363–371. URL: <https://doi.org/10.1007/BF02808118>.
- Matthews, C. R., L. N. Vaserstein, and B. Weisfeiler (1984). “Congruence properties of Zariski-dense subgroups. I”. In: *Proc. London Math. Soc. (3)* 48.3, pp. 514–532. URL: <https://doi.org/10.1112/plms/s3-48.3.514>.
- Nori, Madhav V. (1987). “On subgroups of $\mathrm{GL}_n(\mathbf{F}_p)$ ”. In: *Invent. Math.* 88.2, pp. 257–275. URL: <https://doi.org/10.1007/BF01388909>.
- Platonov, V. P. (1968). “Several remarks on linear groups”. In: *Mat. Zametki* 4, pp. 635–638.
- Sautoy, Marcus du and Fritz Grunewald (2006). “Zeta functions of groups and rings”. In: *International Congress of Mathematicians. Vol. II*. Eur. Math. Soc., Zürich, pp. 131–149.
- Zassenhaus, Hans (1938). “Beweis eines Satzes über diskrete Gruppen”. German. In: *Abh. Math. Semin. Univ. Hamb.* 12, pp. 289–312.