
Méthodes géométriques et asymptotiques en théorie des groupes
Questions d'examen

1. Free products and amalgamated free products of groups.
2. HNN-extensions.
3. Group presentations. Example of a finitely generated but not finitely presented group.
4. Nilpotent groups.
5. Growth functions of finitely generated groups. Types of growth.
6. Formal languages and groups.
7. Groups with finitely many cone types.
8. Grigorchuk's group as an infinite finitely generated 2-group.
9. Residually finite groups.
10. Baumslag-Solitar groups.