1023-20-442 Ilya Kapovich\* (kapovich@math.uiuc.edu), UIUC Department of Mathematics, 1409 West Green Street, Urbana, IL 61801, and Richard Weidmann, Mathematics Department, Colin Maclaurin Building, Heriot-Watt University, Edinburgh, EH14 4AS, Scotland. Algebraic finiteness for Kleinian and relatively hyperbolic groups. Preliminary report.

We will discuss various algebraic finiteness results for subgroups of bounded rank in Kleinian groups with parabolics, groups that are hyperbolic relative to abelian subgroups, and word-hyperbolic groups with torsion. The methods involve generalizing foldings and Nielsen techniques developed earlier for the setting of torsion-free hyperbolic groups, but the presence of torsion and of parabolic elements presents substantial new problems. (Received September 13, 2006)