

Kapovich, Michael**On the absence of Sullivan's cusp finiteness theorem in higher dimensions.** (English)[Zbl 0840.57023](#)

Bokut', L. A. (ed.) et al., Third Siberian school on algebra and analysis. Proceedings of the third Siberian school, Irkutsk State University, Irkutsk, Russia, August 30-September 4, 1989. Providence, RI: American Mathematical Society. Transl., Ser. 2, Am. Math. Soc. 163, 77-89 (1995).

Summary: We prove the existence of a discontinuous finitely generated free conformal group K_3 acting on \mathbb{R}^3 such that the number of rank 1 cusps of K_3 is infinite. Small deformations of K_3 provide a finitely generated Kleinian group with infinitely many conjugacy classes of finite order elements.

For the entire collection see [\[Zbl 0816.00016\]](#).

MSC:[57S30](#) Discontinuous groups of transformations[20H10](#) Fuchsian groups and their generalizations (group-theoretic aspects)[30F40](#) Kleinian groups (aspects of compact Riemann surfaces and uniformization)Cited in **2** Documents**Keywords:**[conformal group](#); [cusps](#); [Kleinian group](#)