1084-19-315   **Kyle Joecken*** (`joecken@math.osu.edu`), Department of Mathematics, The Ohio State University, 231 W 18th Ave, Columbus, OH 43210. *Dimension of Classifying Spaces with Virtually Cyclic Stabilizers for Certain Three-Dimensional Geometry Groups.* Preliminary report.

Let Γ be a uniform lattice in certain three-dimensional geometry groups (e.g. the universal cover of $\mathrm{PSL}_2(\mathbb{R})$). We give estimates for the minimal possible dimension of a model for $\underline{\underline{E}}\Gamma$, the classifying space of Γ with isotropy in the family of virtually cyclic subgroups of Γ. (Received September 04, 2012)