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Michelle Chu*, University of Texas at Austin, Department of Mathematics, RLM 8.100, 2515
Speedway Stop C1200, Austin, TX 78712, and **Han Li**. *Small generators of cocompact arithmetic
Fuchsian groups.*

In the study of Fuchsian groups, it is a nontrivial problem to determine a set of generators. Using a dynamical approach we construct for any cocompact arithmetic Fuchsian group a fundamental region in $\mathbf{SL}_2(\mathbb{R})$ from which we determine a set of small generators. (Received January 12, 2016)