

GEOMETRIC DESCRIPTION OF SCHREIER GRAPHS OF B-S GROUPS

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Abstract. Let $BS(1, n) = \langle A, B \mid AB = B^n A \rangle$ be the Baumslag-Solitar group, where $n \geq 2$. This group has the natural action on the real line. In this paper we explicitly construct Schreier coset graphs of the group for stabilizers of all points in the real line under the action. As its consequence, we classify the Schreier coset graphs up to isomorphism, and obtain a relevance to presentations for the stabilizers.

Key words and phrases: Schreier graphs, Baumslag-Solitar groups.