1056-00-1171   **Andrew Lazowski*** (`alazowski@wesleyan.edu`), Department of Mathematics, Wesleyan University, Science tower 655, 256 Church Street, Middletown, CT 06459. *The Hausdorff dimension of limit sets of subgroups of Kleinian groups.*

The limit set of a Kleinian group is the "locus of chaotic behavior" of the Kleinian group's action on the Riemann sphere. The Hausdorff dimension of the limit set measures the complexity of the limit set. We describe some recent results in the study of the Hausdorff dimension of subgroups of a Kleinian group. (Received September 21, 2009)