

Meeting: 1006, Lubbock, Texas, SS 15A, Special Session on Discrete Groups, Homogeneous Spaces, Rigidity

1006-20-95 **Jason F Manning*** (manning@caltech.edu), Caltech, Mathematics, MC 253-37, Pasadena, CA 91125. *Actions of Chevalley groups on hyperbolic spaces.*

Given an infinite finitely presented group G , one can ask on what Gromov hyperbolic spaces G acts in an interesting way. In general, this is a hard question, but in some cases a complete answer can be given (usually this means that there are no "nontrivial" actions). We discuss the case of Chevalley groups over rings of algebraic integers. (Received February 08, 2005)