

**Meeting:** 1004, Bowling Green, Kentucky, SS 14A, Special Session on Geometric Topology and Group Theory

1004-20-180      **Ashot Minasyan\*** ([minasyan@math.vanderbilt.edu](mailto:minasyan@math.vanderbilt.edu)), Department of Mathematics, Vanderbilt University, 1326 Stevenson Center, Nashville, TN 37240. *Separable Subsets of GFERF Negatively Curved Groups.*

A word hyperbolic group  $G$  is called GFERF if every its quasiconvex subgroup is equal to an intersection of finite index subgroups. We show that in any such group, the product of finitely many quasiconvex subgroups is closed in the profinite topology on  $G$ . This generalizes a number of previously known results and gives a different proof of the conjecture of Pin and Reutenauer concerning products of finitely generated subgroups in a free group. (Received January 24, 2005)