

**Meeting:** 999, Nashville, Tennessee, SS 3A, Special Session on Index Theory and the Topology of Manifolds

999-20-77

**David Rosenthal\***, St. John's University, Department of Mathematics & Computer Science, 8000 Utopia Parkway, Jamaica, NY 11439, and **Dirk Schuetz** ([schuetz@math.uni-muenster.de](mailto:schuetz@math.uni-muenster.de)), Fachbereich Mathematik und Informatik, Westfälische Wilhelms-Universität Münster, Einsteinstr. 62, D-48149 Münster, Germany. *On the Algebraic  $K$ - and  $L$ -theory of Word Hyperbolic Groups.*

In this work, the assembly maps in algebraic  $K$ - and  $L$ -theory for the family of finite subgroups are proven to be split injections for word hyperbolic groups. This is done by analyzing the compactification of the Rips complex by the boundary of a word hyperbolic group. (Received August 09, 2004)