1086-20-2457   **Efim Zelmanov*** (`ezelmano@math.ucsd.edu`), Dept of Mathematics, 9500 Gilman Drive, La Jolla, CA 92093 - 0112, USA, La Jolla, CA 92093. *Complexity of Groebner - Shirshov rewriting systems.*

We will discuss time complexity of Groebner- Shirshov rewriting systems for groups and semigroups presented by generators and relators. (Received September 25, 2012)