1009-20-179   **Robert Gilman***, Department of Mathematical Sciences, Stevens Institute of Technology, Hoboken, NJ 07030. *Solving One Variable Equations in Free Groups.* Preliminary report.

We present a practical method for finding all solutions to one variable equations in free groups. This result is joint work with Dima Bormotov and Alexei Myasnikov. (Received August 15, 2005)