1011-20-153   **Robert Gilman*** (`rgilman@stevens.edu`), 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 23, 2005)