1060-20-143   **Lev M Shneerson*** (`Lev.Shneerson@hunter.cuny.edu`), Department of Mathematics and Statistics, Hunter College, 695 Park Avenue, New York, NY 10065. *On the Growth of Finitely Presented Rees Quotients of Free Inverse Semigroups.* Preliminary report.

We present an inverse semigroup analogue of a classical result that characterizes polynomial growth of finitely presented Rees quotients of free semigroups in terms of primitive words that label loops of the Ufnarovskij graph of the presentation.

This is joint work with David Easdown (School of Mathematics and Statistics, the University of Sydney, Australia). (Received March 28, 2010)