

1112-20-614 **Caglar Uyanik***, cuyanik2@illinois.edu. *Dynamics of free group automorphisms*. Preliminary report.

We will discuss various free group analogs of pseudo-Anosov homeomorphisms of hyperbolic surfaces. We will focus mostly on dynamics of their actions and deduce several structural results about subgroups of $Out(F_N)$. Part of this talk is based on joint work with Martin Lustig and Matt Clay. (Received August 11, 2015)