1106-37-2423   **Volodymyr Nekrashevych*** (`nekrash@math.tamu.edu`). *Finitely presented groups associated with expanding maps.*

We associate with every expanding self-covering of a compact metric space a finitely presented group. We show that if the space is path connected, then this group classifies the dynamical system: two groups are isomorphic as abstract groups if and only if the dynamical systems are topologically conjugate. We also show that these groups have simple commutator subgroup and compute the abelianization. (Received September 16, 2014)