1125-20-735 Sang-hyun Kim, Thomas Koberda* (thomas.koberda@gmail.com) and Yash Lodha. N-chain groups of homeomorphisms of one-manifolds.

We study the algebraic structure of finitely generated groups of homeomorphisms of one-manifolds. We concentrate on groups generated by homeomorphisms, each supported on a single interval lying in a chain of intervals, subject to some mild dynamical conditions. These groups have many remarkable properties, including either having a simple commutator subgroup or having a wandering interval. (Received September 19, 2016)