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Elizabeth Field*, field@math.utah.edu, and **Heejoung Kim, Christopher Leininger** and **Marissa Loving**. *End periodic homeomorphism and volumes of mapping tori*. Preliminary report.

In this talk, we will discuss mapping tori associated to irreducible, end periodic homeomorphisms of certain infinite-type surfaces. Inspired by a theorem of Brock in the finite-type setting, we will relate the minimal convex core volume of such a mapping torus to the translation distance of its monodromy on (a certain subgraph of) the pants graph. (Received January 18, 2021)