

1154-20-1530

**Nicolás Matte Bon\***, EPFL SB MATH EGG, MA B3 514 (Bâtiment MA), Station 8, CH-1015 Lausanne, Switzerland, and **Michele Triestino**. *Groups of homeomorphisms of mapping tori over the Cantor set.*

To every Cantor dynamical system (i.e. a homeomorphisms of the Cantor set), we associate a group of homeomorphisms on the real line. It arises as a group of of homeomorphisms of the suspension flow of the dynamical system which preserves every orbit of the flow and acts on it by piecewise linear dyadic homeomorphisms. This gives a simple construction of groups that satisfy interesting properties among groups of homeomorphisms of real line, including simplicity and finite generation, and a fixed point property for actions on the circle. (Received September 16, 2019)