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# Groups of diffeomorphisms of a Cantor set

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## Abstract

Let  $K$  be a Cantor set contained in a line. We call *group of diffeomorphisms of  $K$*  the group of homeomorphisms of  $K$  which are locally restrictions of diffeomorphisms of the line. In this talk, we will discuss some properties of these groups and see consequences of our results for Higman-Thompson groups  $V_n$ . This is joint work with Dominique Malicet.

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