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CONSTRUCTING GROUP ACTIONS ON QUASI-TREES

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In joint work with M. Bestvina and K. Fujiwara we described an axiomatic approach to construct group actions on quasi-trees. The construction is very general and works for a wide class of groups that have some form of hyperbolic behavior. The original proof was quite technical. In new work, joint with Bestvina, Fujiwara and A. Sisto we have a much simpler approach that also produces acylindrical actions. We will describe this work.