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Graphs of quasicircles

The curve graph of a surface was introduced by Harvey and is defined as the simplicial complex where vertices are isotopy classes of essential simple closed curves in the surface, and edges are pairs of disjoint curves. Work of Ivanov proves that the group of automorphisms of the curve graph is isomorphic to the extended mapping class group of the corresponding surface. In this talk, we will introduce the graph of quasicircles, and discuss an analogue of the result of Ivanov for the graph of quasicircles. This work is joint with Katherine Williams Booth and Alex Nolte.