

Quasi-mobius maps of Morse boundaries.

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Abstract: Boundaries of hyperbolic groups have played an important role in low-dimensional topology and geometric group theory. By restricting to rays satisfying the Morse property, one can define an analogous boundary for more general groups. Inspired by a theorem of Paulin, we give precise conditions for when a homeomorphism between the Morse boundaries of two groups is induced by a quasi-isometry of the groups themselves. (Joint work with M. Cordes and D. Murray)