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**Paul Fabel\*** ([fabel@ra.msstate.edu](mailto:fabel@ra.msstate.edu)), Drawer MA, Department of mathematics and statistics, Mississippi State, MS 39762. *On homotopy equivalences of the Hawaiian earring*. Preliminary report.

Which self maps of the Hawaiian earring induce isomorphisms on the fundamental group? Are they precisely the self homotopy equivalences?

Some progress toward a positive answer is obtained by imparting a topological structure on the fundamental group, embedded within the inverse limit of free groups. (Received September 02, 2008)