Jason A. Behrstock* (jason@math.utah.edu), Department of Mathematics, University of Utah, Salt Lake City, UT 84112, and Walter D. Neumann. Quasi-isometric classification of graph manifolds.

We show that the fundamental groups of any two closed irreducible non-geometric graph manifolds are quasi-isometric, resolving a question of Kapovich and Leeb. We also classify the quasi-isometry types of fundamental groups of graph manifolds with boundary in terms of certain finite two-colored graphs. A corollary is a quasi-isometric classification of some families of Artin groups. (Received August 09, 2006)