

Tameness of hyperbolic 3-manifolds

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We show that a hyperbolic 3-manifold with finitely generated fundamental group is homeomorphic to the interior of a compact manifold with boundary. This answers a question of Marden (conjectured by Canary). Many cases were already known, including geometrically finite manifolds (Marden), indecomposable fundamental group (Bonahon), and limits of tame hyperbolic manifolds (Brock-Souto, extending work of Canary-Minsky, Evans, Ohshika). Applications will be discussed as well to conjectures and problems of Ahlfors, Canary, Hass, Simon, and Thurston.