

1047-57-291

Richard Canary* (canary@umich.edu), Department of Mathematics, University of Michigan, Ann Arbor, MI 48109, and **Peter Storm** (canary@umich.edu), Department of Mathematics, University of Pennsylvania, Philadelphia, PA 19104. *Moduli spaces of hyperbolic manifolds*. Preliminary report.

We will discuss the topology of moduli spaces of unmarked hyperbolic 3-manifolds of a fixed homotopy type. This space often fails to be Hausdorff, and sometimes even fails to be T_1 .

Our moduli space arises as the quotient of the more often studied space $AH(M)$ of marked hyperbolic 3-manifolds homotopy equivalent to a fixed compact 3-manifold M under the action of the outer automorphism group of the fundamental group of M . (Received January 31, 2009)