Hyperbolic 3-manifolds groups are subgroup conjugacy separable

SHEILA C. CHAGAS AND PAVEL A. ZALESSKII

Abstract. A group G is called subgroup conjugacy separable if for every pair of non-conjugate finitely generated subgroups of G, there exists a finite quotient of G where the images of these subgroups are not conjugate. It is proved that the fundamental group of a hyperbolic 3-manifold (closed or with cusps) is subgroup conjugacy separable.

Mathematics Subject Classification (2010): 20E26 (primary); 20E06, 20E08, 20E18, 20E45, 20F10, 20F34, 20F38, 20F65, 20F67, 57M60 (secondary).