

1097-53-168

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On Gromov's scalar curvature conjecture.

Gromov's conjecture states that the universal covering of a closed n -manifold with positive scalar curvature has macroscopic dimension $< n-1$. We prove this conjecture for manifolds with the fundamental group G provided G is a virtual duality group and it satisfies the coarse Baum-Connes conjecture. (Received January 20, 2014)