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The Singer Conjecture states that  $L^2$ -homology of the fundamental group of an aspherical closed manifold vanishes except possibly in the middle dimension. The goal of this work is to obtain an equivalent statement, applicable to all groups.

The action dimension of a group  $G$  is the least dimension of a contractible manifold which admits a proper  $G$ -action. A closely related notion, cocompact action dimension  $ca\text{-dim}(G)$ , is the least dimension of a contractible manifold (possibly with boundary) which admits a proper cocompact  $G$ -action. The Action Dimension Conjecture states that  $L^2$ -homology of any group  $G$  vanishes above  $ca\text{-dim}(G)/2$ .

We prove that the Singer Conjecture and the Action Dimension Conjecture are equivalent. (Received January 26, 2014)