Mathematics > Geometric Topology

Finiteness of nonzero degree maps between three-manifolds

Yi Liu

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In this paper, we prove that every orientable closed 3-manifold dominates at most finitely many homeomorphically distinct irreducible non-geometric 3-manifolds. Moreover, for any integer $d>0$, every orientable closed 3-manifold d-dominates only finitely many homeomorphically distinct 3-manifolds.

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