

cases	doc_1		doc_2		decision	id
	authors	<ul style="list-style-type: none">Thomas PuettmannCatherine Searle	authors	<ul style="list-style-type: none">Thomas PüttmannCatherine Searle	DUPLICATES	15
	title	The Hopf conjecture for manifolds with low cohomogeneity or high symmetry rank	title	The Hopf conjecture for manifolds with low cohomogeneity or high symmetry rank		
	publication_date	2012-07-17 00:00:00	publication_date	2001-06-08 00:00:00		
	source	SupportedSources.INTERNET_ARCHIVE	source	SupportedSources.INTERNET_ARCHIVE		
	journal		journal	American Mathematical Society (AMS)		
	volume		volume			
	doi		doi	10.1090/s0002-9939-01-06039-7		
	urls	<ul style="list-style-type: none">https://archive.org/download/arxiv-1207.4086/1207.4086.pdf	urls	<ul style="list-style-type: none">https://web.archive.org/web/20200811141927/https://www.ams.org/journals/proc/2002-130-01/S0002-9939-01-06039-7/S0002-9939-01-06039-7.pdf		
	id	id3980933445503773627	id	id1130266059251235952		
	abstract	We prove that the Euler characteristic of an even-dimensional compact manifold with positive (nonnegative) sectional curvature is positive (nonnegative) provided that the manifold admits an isometric action of a compact Lie group G with principal isotropy group H and cohomogeneity k such that $k - (\dim G - \dim H) < 5$. Moreover, we prove that the Euler characteristic of a compact Riemannian manifold M^{4l+4} or M^{4l+2} with positive sectional curvature is positive if M admits an effective isometric action of a torus T^l , i.e., if the symmetry rank of M is $> l$.	abstract	We prove that the Euler characteristic of an even-dimensional compact manifold with positive (nonnegative) sectional curvature is positive (nonnegative) provided that the manifold admits an isometric action of a compact Lie group G with principal isotropy group H and cohomogeneity k such that $k - (\dim G - \dim H) \leq 5$. Moreover, we prove that the Euler characteristic of a compact Riemannian manifold M^{4l+4} or M^{4l+2} with positive sectional curvature is positive if M admits an effective isometric action of a torus T^l , i.e., if the symmetry rank of M is $\geq l$.		
	versions		versions			