

cases	doc_1		doc_2		decision	id
			authors	<ul style="list-style-type: none">Joyce, Dominic	DUPLICATES	19
			title	Asymptotically Locally Euclidean metrics with holonomy SU(m)		
			publication_date	1999-01-01 00:00:00		
	authors	<ul style="list-style-type: none">Joyce, Dominic	source	SupportedSources.CORE		
	title	Asymptotically Locally Euclidean metrics with holonomy SU(m)	journal			
	publication_date	2001-01-01 00:00:00	volume			
	source	SupportedSources.CORE	doi	None		
	journal	Annals of Global Analysis and Geometry	urls	<ul style="list-style-type: none">http://arxiv.org/abs/math/9905041		
	volume		id	id3937694877004539210		
	doi	10.1023/a:1006622430781	abstract	Let G be a nontrivial finite subgroup of U(m) acting freely on C^m - 0. Then C^m/G has an isolated quotient singularity at 0. Let X be a resolution of C^m/G, and g a Kahler metric on X. We say that g is Asymptotically Locally Euclidean (ALE) if it is asymptotic in a certain way to the Euclidean metric on C^m/G. In this paper we study Ricci-flat ALE Kahler metrics on X. We show that if G is a subgroup of SU(m) acting freely on C^m - 0, and X is a crepant resolution of C^m/G, then there is a unique Ricci-flat ALE Kahler metric in each Kahler class. This is proved using a version of the Calabi conjecture for ALE manifolds. We also show the metrics have holonomy SU(m). These results will be applied in the author's book ("Compact manifolds with special holonomy", to be published by OUP, 2000) to construct new examples of compact 7- and 8-manifolds with exceptional holonomy. They can also be used to describe the Calabi-Yau metrics on resolutions of a Calabi-Yau orbifold. The paper has a sequel, "Quasi-ALE metrics with holonomy SU(m) and Sp(m)", math.AG/9905043, which studies Kahler metrics on resolutions of non-isolated singularities C^m/G.Comment: 23 pages, LaTeX, uses packages amstex and amssym		
	urls	<ul style="list-style-type: none">https://core.ac.uk/download/pdf/96544.pdf				
	id	id2759676509553758114				
	abstract	None				
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