

cases	doc_1		doc_2		decision	id
	authors	<ul style="list-style-type: none">Qingsong WangBo YangFangyang Zheng	authors	<ul style="list-style-type: none">Wang, QingsongYang, BoZheng, Fangyang	DUPLICATES	656
	title	On Bismut Flat Manifolds	title	On Bismut Flat Manifolds		
	publication_date	2016-03-23 03:14:17+00:00	publication_date	2016-07-08 00:00:00		
	source	SupportedSources.ARXIV	source	SupportedSources.CORE		
	journal	Trans. Amer. Math. Soc., 373 (2020), 5747-5772	journal			
	volume		volume			
	doi		doi	None		
	urls	<ul style="list-style-type: none">http://arxiv.org/pdf/1603.07058v3http://arxiv.org/abs/1603.07058v3http://arxiv.org/pdf/1603.07058v3	urls	<ul style="list-style-type: none">http://arxiv.org/abs/1603.07058		
	id	id4630481496682330854	id	id-3322137028450962800		
	abstract	In this paper, we give a classification of all compact Hermitian manifolds with flat Bismut connection. We show that the torsion tensor of such a manifold must be parallel, thus the universal cover of such a manifold is a Lie group equipped with a bi-invariant metric and a compatible left invariant complex structure. In particular, isosceles Hopf surfaces are the only Bismut flat compact non-K\"ahler surfaces, while central Calabi-Eckmann threefolds are the only simply-connected compact Bismut flat threefolds.	abstract	In this paper, we give a classification of all compact Hermitian manifolds with flat Bismut connection. We show that the torsion tensor of such a manifold must be parallel, thus the universal cover of such a manifold is a Lie group equipped with a bi-invariant metric and a compatible left invariant complex structure. In particular, isosceles Hopf surfaces are the only Bismut flat compact non-K\"ahler surfaces, while central Calabi-Eckmann threefolds are the only simply-connected compact Bismut flat threefolds.Comment: In this 3rd version, we add a lemma on Hermitian surfaces with flat Riemannian connection. References are updated and typos correcte		
	versions		versions			