

arXiv.org > math > arXiv:1107.5357		Search or Article-id	(<u>Help</u> <u>Advance</u>
			All papers 💂
Mathematics > Differential Geometry			Download:
On the characteristic connection of gwistor space Rui Albuquerque (Submitted on 26 Jul 2011 (v1), last revised 17 Jul 2012 (this version, v2))		stor	 PDF PostScript Other formats
			Current browse cont math.DG < prev next > new recent 1107
We give a brief presentation of gwistor space, which is a new concept from G_2 geometry. Then we compute the characteristic torsion T^c of the gwistor space of an oriented Riemannian 4-manifold with constant sectional curvature k and deduce the condition under which T^c is \nabla^c-parallel; this allows for the classification of the G_2 structure with torsion and the characteristic holonomy according to known references. The case with the Einstein base manifold is envisaged.			Change to browse b
		allel; this	References & Citatio
Comments:	Many changes since first version, including title; Central European Journ Mathematics, 2013	al of	Bookmark(what is this?)
Subjects:	Differential Geometry (math.DG)		WISC
MSC classes: DOI:	53C10, 53C20, 53C25 (Primary) 53C28 (Secondary) 10.2478/s11533-012-0082-y		
Cite as:	arXiv:1107.5357 [math.DG]		

[v2] Tue, 17 Jul 2012 18:23:49 GMT (16kb)

From: Rui Albuquerque [view email] [v1] Tue, 26 Jul 2011 23:46:46 GMT (22kb)

Submission history

Link back to: arXiv, form interface, contact.

Which authors of this paper are endorsers?

(or arXiv:1107.5357v2 [math.DG] for this version)