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Extrinsic hyperspheres in manifolds with special holonomy

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(Submitted on 8 Jul 2011 (v1), last revised 13 Dec 2012 (this version, v2))

We describe extrinsic hyperspheres and totally geodesic hypersurfaces in manifolds with special holonomy. In particular we prove the nonexistence of extrinsic hyperspheres in quaternion-Kaehler manifolds. We develop a new approach to extrinsic hyperspheres based on the classification of special Killing forms.

Submission history

From: Andrei Moroianu [view email]
[v1] Fri, 8 Jul 2011 10:53:54 GMT (15kb)
[v2] Thu, 13 Dec 2012 09:00:13 GMT (15kb)

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