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## **Foliations associated with the structure of a manifold over a Grassmann algebra of even degree exterior forms**

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### **Abstract**

In this paper we consider a category of manifolds over the algebra of even degree exterior forms on  $\mathbb{R}^N$ . We give examples of such manifolds. We explicitly find elements of the pseudogroup of differentiable transformations and demonstrate that on any differentiable manifold there exist affine foliations. © 2012. Allerton Press, Inc.

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### **Keywords**

Foliation, Grassmann algebra, Manifold over algebra