

Complex Manifold with Large Automorphism Groups

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Abstract: We show that vector bundles over manifolds with “Density Property” also satisfy the Density Property.

Furthermore we discuss a different class of manifold with large automorphism groups which we call “RR-spaces” and which include some linear algebraic groups as well as Danielewski surfaces and certain products. These RR-spaces share many of the properties which have been verified by Rosay and Rudin for the euclidean space \mathbb{C}^n .