

Séminaire d'algèbre, topologie et géométrie
Jeudi 28 novembre à 14h
Salle I

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A characterization of finite vector bundles on compact complex manifolds

A vector bundle E on a projective variety X is called finite if it satisfies a nontrivial polynomial equation with integral coefficients. A theorem of Nori says that E is finite if and only if the pullback of E to some finite étale Galois covering of X is trivial. We prove the same statement when X is a compact complex manifold.