

Séminaire d'algèbre, topologie et géométrie
Jeudi 8 novembre à 14h
Salle I

Indranil Biswas

TIFR, Bombay

*A characterization of finite vector bundles on Gauduchon
astheno-Kähler 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 implies 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 admitting a Gauduchon astheno-Kähler metric.