

Northeastern University



Mathematics Department

Geometry, Physics, and Representation Theory Seminar

Corey Bregman

Brandeis University

Thursday, October 4, 2:50-3:50 pm, Lake Hall 509

Surface bundles and Kaehler geometry

Abstract

A question going back to Serre asks which groups arise as fundamental groups of smooth complex projective varieties, or more generally, compact Kaehler manifolds. These groups are called Kaehler groups. We first give a brief overview of this subject and some known results, then discuss Kaehler groups arising from surface bundles.