



Speaker: Xiaokui Yang
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Thursday, April 9, 2015
11:00 AM
125 Hayes-Healy Hall

Title: Curvatures of direct image sheaves of vector bundles and applications

Abstract:

In this talk, we present several curvature formulas for direct images sheaves of vector bundles. We also introduce some applications on the positivity and vanishing theorems for vector bundles over Kähler and non-Kähler manifolds, new examples on nef but not semi-positive bundles and curvature properties of moduli spaces of curves.