



Kolloquium über Reine Mathematik

Einladung zu einem Vortrag

Dienstag, 8. November 2016

17 Uhr s.t., Geom H4

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Intersection cohomology of moduli spaces of vector bundles on curves

Abstract:

We consider moduli spaces parametrizing semistable vector bundles of given rank and degree over complex smooth projective curves. After reviewing basic geometric properties of these spaces, we recall classical formulas for their Betti numbers in the coprime case.

We then discuss a recent closed formula for their intersection Betti numbers and indicate the ingredients of the proof coming from motivic Donaldson-Thomas theory. This is joint work with S. Mozgovoy.

Vor dem Vortrag (ab 16.30 Uhr) stehen im Raum 327 Kaffee und Tee bereit.