



Andrew Kresch

Unified approach to quantum cohomology of Grassmannians

TIME:

23 Oct 2006, 16:00 - 18:00

LOCATION:

FU-Berlin, Institut für Mathematik
Arnimallee 3, Rm. 119

The quantum cohomology ring of an algebraic variety encodes answers to enumerative questions about rational curves on the variety. We start with the case of Grassmannian varieties, where everything can be described concretely. There are some more general homogeneous varieties where many sorts of similar results can be obtained. We describe a unified treatment of these results, proposed in a recent preprint by Chaput, Manivel, and Perrin.

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