Thesis Defense

Intersection Theory on the Hilbert Scheme of Points in the Projective Plane

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Abstract: I will discuss my results concerning the intersection product in the Chow ring of the Hilbert scheme of points in the projective plane. Specifically, I provide an explicit algorithm to compute the intersection of elements of complementary codimension in a basis for the Chow groups due to Mallavibarrena and Sols and an explicit algorithm to compute the action of a natural divisor on the classes in this basis.

This is my thesis defense.

Wednesday, April 26 at 9:00 AM in SEO 612