SEMINARIO DE GEOMETRÍA ALGEBRAICA

Viernes 14 de mayo de 2010, **13:00**, Seminario 238

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Impartirá la conferencia

On the effective representation of the Hilbert scheme of points.

Resumen.

The punctual Hilbert scheme of points describes the set of saturated ideals defining a fixed number of points (counted with multiplicity) as a scheme. In this talk, we will describe a effective representation of this scheme as a subvariety of a Grassmannian. This new explicit complete set of equations are deduced from the commutation relations characterising border bases and from generating equations. We will also related the tangent space at a point of the Hilbert scheme, with the projection with respect to the underlying border basis