Oberseminar
Institut für Algebraische Geometrie

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Monodromy group of linear projections.

Let X be an irreducible, reduced complex projective hypersurface of degree d. A point P not in X is called *uniform* if the monodromy group of the projection of X from P is isomorphic to the symmetric group of d elements. By the Castelnuovo's uniform position principle, a general point is uniform. Pirola and Schlesinger proved that the locus of *non uniform* points for an irreducible and reduced plane curve is at most finite.We generalize this result proving that the locus of non-uniform points is contained in a finite union of linear spaces of codimension at least 2 in the ambient space. Moreover, we prove that for a smooth hypersurface the locus of non uniform points is at most finite. I will also mention results on general hypersurfaces and projections of smooth varieties in higher codimension.

Donnerstag, 21.11.2019

16:30 - 17:30, Raum b302

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.