

Harvard-M.I.T. Algebraic Geometry Seminar

CUBIC FOURFOLDS AND SPACES OF RATIONAL CURVES

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Abstract:

For a general nonsingular cubic fourfold $X \subset \mathbb{P}^5$ and $e \geq 5$ an odd integer, we show that the space M_e parametrizing rational curves of degree e on X is non-uniruled. For $e \geq 6$ an even integer, we show that space M_e has at most one rational curve passing through a very general point (and conjecture that M_e is in fact non-uniruled).

Tuesday, October 29

3:00 p.m.

Harvard Rm 507

<http://www-math.mit.edu/~jstarr/02sem/>.