

# Harvard-M.I.T. Algebraic Geometry Seminar

## RATIONALLY CONNECTED VARIETIES OVER FINITE FIELDS

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### Abstract:

Let  $X$  be a rationally connected variety over a finite field  $F$ . Given two  $F$ -points of  $X$ , is there a rational curve in  $X$  (defined over  $F$ ) passing through these two points?

The answer to this question (and its generalizations) solve some conjectures of Colliot-Thélène on R-equivalence and on the Chow group of zero cycles.

Tuesday, May 6th  
3:00 p.m.  
Harvard Rm 507

<http://www-math.mit.edu/~jstarr/03sem/>.