

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

## DYNAMICS ON BLOWUPS OF THE PROJECTIVE PLANE

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We will discuss the construction of surface automorphisms with "rich dynamics": infinite order and positive entropy. For rational surfaces we find automorphisms of minimal entropy, related to the Weyl group, Lehmer's number and blowups of  $\mathbb{P}^2$  at 10 points along a cuspidal cubic.

Tuesday, February 7th  
3:00 p.m.  
Harvard Science Center 507

<http://www-math.mit.edu/ags/>