

1067-11-665

Benjamin Hutz* (bhutz@gc.cuny.edu), CUNY Graduate Center, 365 Fifth Ave, Room 4208, New York, NY 10016, and **Michelle Manes**. *Rational self-maps on projective space with automorphisms*. Preliminary report.

The space of rational self-maps on projective space is acted on by elements of the projective linear group in a natural way through conjugation. The resulting equivalence classes forms a moduli space and one can study “interesting” families in this moduli space. One definition of interesting is maps which have a non-trivial automorphism group under the action of conjugation. In this talk we will examine the possible automorphism groups that can occur and the families that realize them. (Received September 13, 2010)