

1084-14-219

Sara Gharahbeigi* (gharahbeigis@missouri.edu), Columbia, MO 65201. *Regularity of General Rational Curves on Hypersurfaces.*

We show that for general smooth rational curves on a general hypersurface of degree $d \leq N$ in \mathbb{P}^N , the restriction map of global sections is of maximal rank, and therefore the regularity index of such curves is as small as possible. (Received September 02, 2012)