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**Sara Gharahbeigi\***, Washington University in St Louis, St Louis, MO 63130. *Regularity of general rational curves on hypersurfaces.*

We show that for a general smooth rational curve on a general hypersurface of degree  $d \leq N$  in  $\mathbb{P}^N$ ,  $N \geq 4$ , the restriction map of global sections is of maximal rank, and therefore the regularity index of such curves is as small as possible. (Received February 14, 2012)