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Yu Yasufuku* (yasufuku@math.cst.nihon-u.ac.jp). *Integral Points and Forward Orbits on \mathbb{P}^n .*

Silverman has proved finiteness of integers in an orbit of a non-totally-ramified morphism on \mathbb{P}^1 . In this talk, we will describe generalizations of this result to maps on \mathbb{P}^n . Some specific low-degree and low-dimensional maps are treated, and we also present, assuming a powerful conjecture by Vojta, a theoretical result treating more general morphisms. (Received December 12, 2011)