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David H Yang* (dyang@math.harvard.edu). *Cohomology stabilization of Hom spaces and Manin's conjecture.*

We propose a cohomological stabilization conjecture for certain loci in spaces of maps from a fixed curve to a Fano variety. The sieving to obtain these loci is analogous to that needed in the classical Batyrev-Manin picture, and has been explored in work of Lehmann-Tanimoto. We show that a heuristic suggested by our conjecture recovers Peyre's constant, and provide some preliminary evidence toward its truth. (Received February 10, 2018)