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Degree growth of monomial maps.

Given a rational monomial map $f_A : \mathbf{P}^n \to \mathbf{P}^n$ associated to an integer matrix A, it is well known that the first dynamical degree is equal to the spectral radius of A. Thus, it is natural to ask further about the asymptotic behavior of the degree sequence $\{\deg(f_A^k)\}_{k=1}^{\infty}$. We obtain several precise estimates of the degree sequences of monomial maps on $\mathbf{P}^n$. (Received August 18, 2010)