

1145-VL-1963 **D. Johnson*** (dylanjohnson777@yahoo.com). *Searching for Toric Rings with USTP*. Preliminary report.

A commutative Noetherian ring R has Uniform Symbolic Topology Property (USTP) if, for all integers $n > 0$, there exists some integer h such that $\mathfrak{p}^{(hn)} \subseteq \mathfrak{p}^n$ for all prime ideals \mathfrak{p} in R . Using recent work from J. Carvajal-Rojas, J. Page, D. Smolkin, and K. Tucker, we identify toric rings which have USTP, as well as an upper bound on their h values. In particular, for k a field of positive characteristic, we show that $k[x_1, \dots, x_n]$ has an h value bounded above by n and $k[w, x, y, z]/(wx - yz)$ has an h value bounded above by 3. Both of these results were already shown by Smolkin and Carvajal-Rojas, but we use a less technical method which we hope more readily generalizes to other rings. (Received September 24, 2018)