

1047-13-379

S Dale Cutkosky* (cutkoskys@missouri.edu), Dept. Math., University of Missouri, Columbia, MO 65211, and **Juergen Herzog** and **Hema Srinivasan**. *Asymptotic Growth of Algebras Associated to Powers of Ideals*.

We study generalized symbolic powers and form ideals of powers and form ideals, and compare their growth with the growth of ordinary powers, and we discuss the question of when the graded rings attached to symbolic powers or to form ideals of powers are finitely generated. (Received February 02, 2009)