
ALESSIO SAMMARTANO, Purdue University

Blowup algebras of rational normal scrolls

The Rees ring and the special fiber ring of a polynomial ideal I , also known as the blowup algebras of I , play an important role in commutative algebra and algebraic geometry. A central problem is to describe the defining equations of these algebras. I will discuss the solution of this problem when I is the homogeneous ideal of a rational normal scroll.