

1116-16-2213 **Daniel Rogalski*** (drogalsk@math.ucsd.edu). *General noncommutative blowing up*. Preliminary report.

Van den Bergh has defined a notion of noncommutative blowing up which involves defining a Rees algebra in a category of functors. We show how to make the construction of this Rees algebra and its associated Proj category more explicit. As a consequence we see that the construction generalizes to define the blow up of a point in a noncommutative projective variety of any dimension. In addition, our generalization encompasses the Naive blowups we defined in earlier work with Keeler and Stafford. (Received September 22, 2015)