1128-16-192 **Daniel Rogalski*** (drogalski@ucsd.edu). *Noncommutative Projective Surfaces.*

Starting in the late 1980's, work of Artin, Schelter, Tate, Van den Bergh, and others laid the groundwork for a beautiful theory of the geometry of noncommutative graded algebras. This subject of noncommutative projective geometry has led to new insights into the structure of many important classes of algebras. We give an introduction to some of the main ideas of this area, and then survey some more recent results concerning the project to classify noncommutative projective surfaces. (Received February 26, 2017)