

1116-13-408

Haohao Wang* (hwang@semo.edu), Math Department, MS6700, Southeast MO State University, Cape Girardeau, MO 63701. *Implicit Equations and Rees Algebra*.

In this presentation, we will provide computational algorithms in determining the implicit equations of parametrized curves and surfaces, and study the geometry of the generators. We will explore the connections between the implicit equations and the defining equations of the Rees Algebra of rational space curves and surfaces. (Received August 31, 2015)