

1085-13-164

Hailong Dao*, Department of Mathematics, University of Kansas, Lawrence, KS 66049. *On the existence of non-trivial semi-dualizing modules.*

Let R be a normal Cohen-Macaulay local ring. In this talk I will describe some recent evidence indicating that the existence of non-trivial semi-dualizing modules forces $\text{Spec}(R)$ to have "bad" singularities. Some of the results are joint works with O. Celikbas. (Received September 08, 2012)