

1114-13-293

Petter Andreas Bergh and **David A. Jorgensen*** (djorgens@uta.edu). *Complete intersections and equivalences with categories of matrix factorizations.*

Let R be a codimension c complete intersection, and S a codimension $c - 1$ intermediate complete intersection, so that $R = S/(x)$ for a nonzerodivisor x of S . In this talk we give an equivalence between the homotopy category of matrix factorizations of x over S and a certain thick subcategory of the singularity category of R determined by a condition on the support varieties of the objects of the singularity category. Our result recovers the well-known result of the case when $c = 1$, that is, of R being a hypersurface. This is joint work with Petter Bergh. (Received August 31, 2015)