

1031-13-18

**Layra Felicia Matusevich\***, Department of Mathematics, Texas A&M University, Mailstop 3368, College Station, TX 77843-3368. *Weyl Closure of Hypergeometric Systems*.

I will show that GKZ hypergeometric systems, which are built from toric ideals, and Horn systems, which are built from lattice basis ideals, are Weyl closed. This means that such systems are the differential annihilators of their solution spaces. (Received July 05, 2007)