

1070-05-114

Travis Schedler* (trasched@gmail.com) and **Qendrim R. Gashi**. *Normality and quadraticity for special ample line bundles on toric varieties arising from root systems.*

We prove that special ample line bundles on toric varieties arising from root systems are projectively normal. Here special means that the bundle is torus-equivariant, and the character of the line bundle that corresponds to a maximal Weyl chamber is dominant with respect to that chamber. Moreover, we prove that the associated semigroup algebra is quadratic. (Received February 03, 2011)