

Seshadri constants of equivariant vector bundles on toric varieties

Jyoti Dasgupta

Seshadri constants measure the local positivity of an ample line bundle. They were introduced by Demailly. Later, Hacon generalized the notion of Seshadri constants to vector bundles. In this talk, we consider torus equivariant vector bundles on toric varieties. Assuming certain conditions on the vector bundle, we compute precise values of Seshadri constants at arbitrary points on projective spaces and Bott towers of height at most 3. This talk is based on joint work with Bivas Khan and Aditya Subramaniam.