

1113-06-166

**Mahir Bilen Can\*** (mcan@tulane.edu), 6283 St. Charles Ave, New Orleans, LA 70118. *Set partitions and equivariant K-theory*. Preliminary report.

It is well known for sometime that the combinatorics of the polytope of a toric variety captures its cohomological data. Following this philosophy, in this talk we will present a combinatorial model for the equivariant K theory of certain wonderful compactifications in terms of a lattice that is naturally associated to a toric variety. This talk is based on our joint work with Soumya Banerjee (Ben-Gurion University of the Negev). (Received August 20, 2015)