

7/31 [Ryo Yamagishi] Crepant resolutions and moduli of G-constellations for abelian groups

For a finite subgroup G of $SL(n, \mathbb{C})$, a moduli space of G -constellations is a generalized notion of the G -Hilbert scheme, and it is expected that every (projective) crepant resolution X of \mathbb{C}^n/G is obtained as such a moduli space. In the talk I will construct an explicit morphism from the resolution X to a moduli space for abelian G and discuss when it becomes an isomorphism.