

Quantum Torics

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In this talk, I will outline the construction of Quantum Torics. Classical Toric Varieties are algebraic varieties encoded in a fan whose generators belong to a lattice of integer points in some \mathbb{C}^d . Quantum Torics are stacks encoded in a fan whose generators belong to an arbitrary additive subgroup of some \mathbb{C}^d that may be dense. If time permits, I will introduce the moduli space of such Torics.

References

- [1] L. KATZARKOV, E. LUPERCIO, L. MEERSSEMAN AND A. VERJOVSKY, *The Definition of a Non-Commutative Toric Variety*, **Contemporary Math.**, vol. 620, p. 223–250 (2014).