

Contact topology of Gorenstein toric isolated singularities

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Links of Gorenstein toric isolated singularities are good toric contact manifolds with zero first Chern class. In this talk I will present some results relating contact and singularity invariants in this particular toric context. Namely,

- (i) I will explain why the contact mean Euler characteristic is equal to the Euler characteristic of any crepant toric smooth resolution of the singularity.
- (ii) I will discuss applications of contact invariants of Lens spaces that arise as links of Gorenstein cyclic quotient singularities.