

Session 32: Mirrors of adjoint orbits and categories of singularities

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The adjoint orbit of $\mathfrak{sl}(2, \mathbb{C})$ with the height potential viewed as an LG model has no projective mirrors (Barmeier, Ballico, Gasparim, Grama, San Martin 2018). I will show how to construct intrinsic mirrors for such an orbit and mirror candidates for minimal adjoint orbits of $\mathfrak{sl}(n, \mathbb{C})$ for all n . Using the Gross-Siebert program, I find an LG mirror with the required Orlov's categories of singularities (Gasparim 2021).

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