Stabilization of a twisted modulus on a mirror of rigid Calabi-Yau manifold

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Abstract

We study the stabilization of a twisted modulus in Type IIB flux compactifications on a mirror of the rigid Calabi-Yau threefold. By analyzing the effective action of twisted and untwisted moduli, we find that three-form fluxes satisfying the tadpole cancellation conditions lead to supersymmetric AdS vacua. We also investigate swampland conjectures on this non-geometric background. This talk is based on 2406.08970 (hep-th).

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