

EFT strings and the Convex Hull Distance Conjecture

Thursday, 27 June 2024 17:00 (15 minutes)

In this work, we explore the realization of the Convex Hull version of the Swampland Distance Conjecture in various 4D $N=1$ effective theories. In these setups, we identify the infinite towers of states that become light in the infinite distance limits and we compute the corresponding scalar charge-to-mass ratio vectors in order to construct their convex hull. We consider the possible EFT string limits and their associated charge-to-mass vectors and explore their relation with the convex hull of light towers.

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