

The singular-bulk problem of KKLT

Monday 12 July 2021 11:00 (30 minutes)

After summarizing recent progress concerning the 10d description of gaugino condensation effects, I will focus on issues related to the parametric control of KKLT. Difficulties are expected since the radius of a throat providing an appropriate uplift is larger than the bulk 4-cycle supporting the non-perturbative effect. This may in principle be overcome at the price of strong warping in the bulk. However, according to our recent analysis, such warping generically leads to extended singularities in the bulk, threatening the construction. Possible escape routes will also be discussed.

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