Contribution ID: 83

## Moduli stabilization near the boundary

Wednesday 22 September 2021 15:00 (15 minutes)

In this talk we discuss a novel approach to moduli stabilization in Type IIB flux compactifications. Our strategy relies on recent insights about Calabi-Yau moduli spaces based on asymptotic Hodge theory. The crucial observation is that exponential corrections must be present near most boundaries in these moduli spaces. We then use these corrections to engineer new flux vacua with an exponentially small superpotential. These vacua are particularly relevant from the perspective of the KKLT scenario, and moreover feature interesting hierarchies in the masses of the moduli.

## Do you wish to attend the workshop on-site?

no

## Summary

 Primary author:
 VAN DE HEISTEEG, Damian (Utrecht University)

 Presenter:
 VAN DE HEISTEEG, Damian (Utrecht University)

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