

Stability of open-string models with broken supersymmetry

Thursday, 8 December 2022 17:00 (40 minutes)

We consider type IIB orientifold models in four-dimensional Minkowski spacetime, with $N=2$ supersymmetry spontaneously broken to 0. For an arbitrary choice of D9- and D5-brane configuration, we analyze the generation of masses at one-loop for all open- and closed-string sector moduli fields. In order to find non-tachyonic models at one-loop, a key ingredient is to consider brane configurations with rigid positions.

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