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Type: Non spécifié

Kaluza-Klein Spectrometry for String Theory Compactifications

lundi 25 avril 2022 16:30 (25 minutes)

I will present a powerful new method that for the first time allows us to compute the Kaluza-Klein spectrum of a large class of string theory compactifications. This includes geometries with little to no remaining (super-)symmetries, completely inaccessible by standard methods. I will discuss various applications of this method, including to the AdS/CFT correspondence and to the stability of non-supersymmetric AdS vacua. As I will show, some of these AdS vacua are unstable due to tachyonic Kaluza-Klein modes, while others are perturbatively stable.

Type of contribution

Contributed Talk only

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Classification de Session: Contributed talks

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