

Euclidean axion wormholes do not contribute to the path integral

Thursday 23 September 2021 12:10 (15 minutes)

Axion fields coupled to gravity allow non-trivial Euclidean saddle points that correspond to wormholes. Their possible role in the path integral of quantum gravity has been a puzzle for over 30 years. In this talk I will first explain that these saddle points are unstable in a Euclidean sense even when additional axion or saxion fields are added. Secondly, the meaning of these instabilities will also be discussed.

Do you wish to attend the workshop on-site?

no

Summary

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