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AdS/CFT Correspondence for Scalar Field Theory in Lattice AdS$_2$, AdS$_3$

Tuesday, 1 August 2023 19:57 (3 minutes)

We use a regular tessellation of AdS$_2$ based on the (2,3,7) triangle group, with an extension to Euclidean AdS$_3$, to study the AdS/CFT correspondence. Perturbative calculations are verified and initial tests of monte carlo calculations for non-perturbative ^{4} theory exhibit critical phenomena on the boundary.

Topical area

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