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AdS/CFT Correspondece for Scalar Field Theory in Lattice AdS_2, AdS_3

Thursday, 29 July 2021 22:15 (15 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 ϕ^4 theory exhibit critical phenomena on the boundary.

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