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AdS/CFT Correspondence for Scalar Field Theory in Lattice AdS₂, AdS₃

Thursday, July 29, 2021 10:15 PM (15 minutes)

We use a regular tessellation of AdS₂ based on the (2,3,7) triangle group, with an extension to Euclidean AdS₃, 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.

Primary author: COGBURN, Cameron (Boston University)

Co-authors: OWEN, Evan (Boston University); BROWER, Richard (Boston University)

Presenters: COGBURN, Cameron (Boston University); OWEN, Evan (Boston University); BROWER, Richard (Boston University)

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