Institut Henri Poincaré

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String Theory in Greater Paris

Rencontres Théoriciennes

“Supergravité, théorie des cordes et théorie M”

Jeudi 21 Avril 2022, 11:45

Dionysios Anninos

King’s College

Comments on Euclidean de Sitter

We explore the cosmological version of Euclidean black hole thermodynamics, namely the gravitational path integral over compact manifolds, in various dimensions. In general dimension we discuss the thermodynamic picture of the sphere path integral in terms of the quantum field theoretic Hilbert space in a Lorentzian de Sitter. In lower than four dimensions we discuss the availability of exact results.

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