

Does GCDT solve the Hubble constant tension ?

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CDT might define a quantum theory of gravity, but how one can locate the asymptotic safety UV fixed point is still unclear. However, so-called generalized CDT models, which allow for baby universe creation, make it possible to conjecture how quantum corrections can influence late time cosmology. The quantum corrections lead to a modified Friedmann equation which does not involve a cosmological constant but nevertheless results in a late time exponential expansion of the universe and in addition solves the Hubble constant tension.

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