



Contribution ID: 138

Type: not specified

A Quantum-Mechanical Mechanism for Reducing the Cosmological Constant

Thursday, July 14, 2022 2:00 PM (1h 20m)

We exhibit a mechanism which dynamically adjusts cosmological constant toward $0+$. The adjustment is quantum-mechanical, discharging cosmological constant in random discrete steps. It renders de Sitter space unstable, and triggers its decay toward Minkowski. Since the instability dynamically stops at vanishing cosmological constant, the evolution favors the terminal Minkowski space without a need for anthropics. The mechanism works for any QFT coupled to gravity.

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