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Applications of the Tunneling Potential Formalism

Thursday, 2 May 2024 14:15 (20 minutes)

The Tunneling Potential formalism offers an alternative to the Euclidean bounce formalism for calculating tunneling actions. These actions govern the exponential suppression of metastable vacua decay in quantum field theory. In this talk, I will discuss how this formalism elegantly describes gravitational effects on vacuum decay, bubble-of-nothing decays, domain walls, and more.

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