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Quantum Kerr tunneling vacua on a $(D\bar{D})_4$ -brane: An emergent Kerr black hole in five dimensions

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Abstract

A non-perturbation formalism underlying a quantum theory of gravity is revisited by exploiting a two form in a non-linear $U(1)$ gauge theory on a D_4 -brane. In particular, we explore two different gauge choices for a two form underlying the dynamics of a higher dimensional geometric torsion in a second order formalism. We obtain two non-extremal

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