How to (Non-)Perturb a BPS Black Hole

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Abstract

We relate the structure of non-perturbative corrections to BPS black hole observables in flat-spacetime theories with certain properties of probe charged particles in the near-horizon geometry. Concretely, we consider 4d ${N} = 2$ supergravity with an infinite tower of F-terms and probe branes in ${AdS}_2\times{S}^2$$backgroundsthreadedbyconstantelectric - magneticfields.Thehighere

Keywords: Non, perturbative corrections, Black holes, String theory, Instability

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