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# Recent Results on Alpha Prime Corrections of Stringy Black Holes

*Wednesday, 23 January 2019 16:30 (30 minutes)*

I will review some recent results on the explicit computation of the first-order alpha prime corrections of static, supersymmetric 4- and 5-dimensional stringy black holes. We will use the framework of the Heterotic Superstring effective action and we will study the corrections to entropy of those black holes and we will compare it to the microscopic computations in the literature. We will also show, if we have time for it, how some singular solutions are regularized by the alpha prime corrections in d=4 giving rise to globally-regular black-hole spacetimes.

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