



On The Inflaton Potential From Antibranes in Warped Throats

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We compute the force between a stack of smeared antibranes at the bottom of a warped throat and a stack of smeared branes at som e distance up the throat, both for anti-D3 branes and for anti-M2 branes. We perform this calculation in two ways: first, by treating the antib ranes as probes in the background sourced by the branes and second, by treating the branes as probes in the candidate background source d by the antibranes. These two very different calculations yield exactly the same expression for the force, for all values of the brane-antibran e separation. This indicates that the force between a brane and an antibrane is not screened in backgrounds where there is positive charge dis solved in flux, and gives a way to precisely compute the inflaton potential in certain string cosmology scenarios.

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