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Brane/antibrane dynamics and KKLT stability

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String theory has few or no stable nonsupersymmetric vacua, only metastable ones. Antibranes are a simple source of supersymmetry breaking, as in the KKLT model, but various arguments have been given that these lead to rapid instability. Proper analysis of the system requires identifying the correct effective field theory at various scales. We do so, and find no evidence of rapid instability.

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