

Flat manifolds, fluxes & Casimir energies – a recipe for deSitter?

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Controlled de Sitter vacua, if they exist, seem to be hiding in difficult regions of the string Landscape – they seem to require such an intricate interplay of ingredients, that many things can go wrong and invalidate the solutions. In fact, checking their validity with explicit computations is itself a difficult task. With this in mind, we explore a combination of ingredients that are both common and simple enough to be computed explicitly – flat manifolds, fluxes and Casimir energies – and could in principle provide de Sitter vacua in 3d and 4d.

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