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A possible solution to the supergravity eta problem

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The destabilising effect of supergravity corrections on traditional inflaton potentials is well known. Here I will offer a possible solution based on the presense of an inflection point in the flat direction potential for some Kahler interaction terms. We show that for reasonable choices of the Kahler potential it is possible for a vacuum energy density with no dynamics of its own, to induce an extremely flat potential along the flat direction, and that this can be suitable for producing the observed inflation with a total fine tuning of no greater than one part in ten to the five.

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