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Does Quantum Gravity constrain Large-Field Inflation?

Content :

I will briefly recall the interest in and status of large-field models of inflation.
I will then discuss general no-go arguments against this version of inflation which are based on gravitational instantons and the so-called weak-gravity conjecture. Then I will turn to possible loopholes in those arguments and explain how certain string-theoretic constructions might, nevertheless, be able to realize large-field inflation.

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