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An effective coda for loops in single clock inflation

Tuesday, November 21, 2023 3:00 PM (1h 20m)

In this talk, I will discuss an upcoming paper that shows how knowledge of the ultra-violet asymptotics of the effective action can offer a shortcut for the computation of certain processes in the effective theory of single clock inflation that involve loops of particles of arbitrary spin, in particular, with respect to the logarithmic running of correlation functions. In doing so, this work offers a coda to the question of the nature of the logarithmic running of inflationary correlators, confirming and generalizing the results of previous explicit in-in computations. Some implications for various applications of topical interest will be discussed.

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