

On correlation functions in de Sitter space

Thursday, 19 December 2024 11:00 (30 minutes)

Currently, the study of cosmological correlation functions is extremely favored, and a large number of new techniques are being developed. I will discuss a less fashionable but efficient technique to calculate the loop corrections to a correlation function in the long-wavelength approximation: through the use of the Yang-Feldman-type equation. I will also discuss the obtained results' connection to some stochastic processes and a way to generalize it to the non-perturbative case, as well as further prospects in this direction.

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