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Non-Gaussianities from primordial quantum diffusion

Tuesday 27 September 2022 14:00 (1h 20m)

I will show that primordial quantum diffusion unavoidably generates non-Gaussian, exponential tails in the distribution of inflationary perturbations. This type of non-Gaussianity cannot be captured by the usual perturbative parametrisations, and it leaves specific imprints on the statistics of cosmic structures that I will discuss.

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