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Non-Gaussianities in halo clustering properties

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Using excursion set theory, and its path-integral formulation,
it is possible to analytically compute several
properties of the dark matter halos, like their distribution in mass,
formation history, and merging rate. The inclusion of non-Gaussian
initial conditions establishes an interesting connection between
primordial conditions and observable features of the large-scale universe.
In this talk, I will briefly introduce the computational techniques
and then describe the results for halo mass functions and conditional
probabilities with non-Gaussian initial conditions.

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