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Analytical modeling of the marked power spectrum

The marked power spectrum has the potential to extract beyond-two-point information within the framework of a two-point function. This means that we could access valuable information in a computationally efficient way, while using much of the infrastructure already available for the power spectrum. In this talk I will present an analytical approach to modelling marked power spectra and show that by using low-order marks, we will be able to better control theoretical uncertainties. I will also show that the marked spectra is explicitly able to break degeneracies present in the power spectrum and share some recent progress.