

Schmidt: Bias and modified gravity

Tuesday, 26 September 2017 10:05 (35 minutes)

Galaxy clustering is one of the key probes of large-scale structure, and hence of interest to tests of gravity as well. However, in order to make this probe robust, we need to understand the relation between the galaxy density and the underlying stress-energy and spacetime perturbations, i.e. bias. I will discuss the general bias expansion in the context of GR, and what changes in the case of frequently studied modified gravity scenarios.