

A fitting formula for the effects of massive neutrinos in the nonlinear regime

The distribution of matter in small scales, subject to nonlinear effects, will be much better known in the next few years through upcoming surveys. To accomplish the measurement of parameters such as the neutrino mass the theoretical preciseness must evolve accordingly. We present some improvements in theoretical prediction for the matter power spectrum taking in account the effect of massive neutrinos in the nonlinear regime. The method used was a modified version of Halofit calibrated over N-Body simulations with massive neutrinos.

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