

Semi-analytical computation of the non-linear matter power spectrum

vendredi 22 juillet 2011 15:35 (15 minutes)

I will discuss the new numerical implementation in CLASS of two semi analytical methods for computing the matter power spectrum, namely the one-loop and Time Renormalization Group method. I will present our result compared against accurate N-body simulation and the halofit method on the BAO region. I will also discuss about the new implementation of the one-loop method, showing a great improvement over the more commonly used one.

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