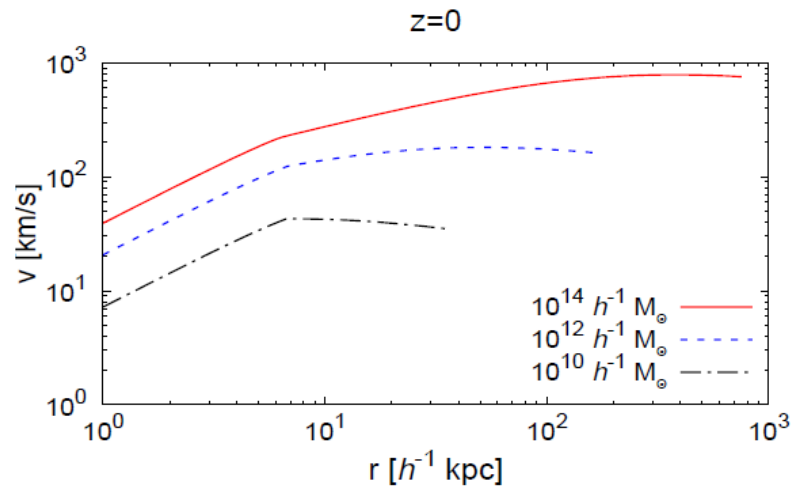
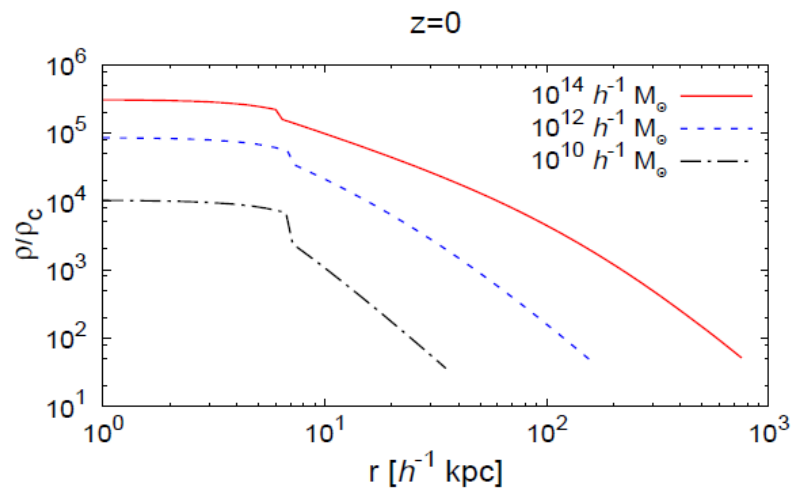
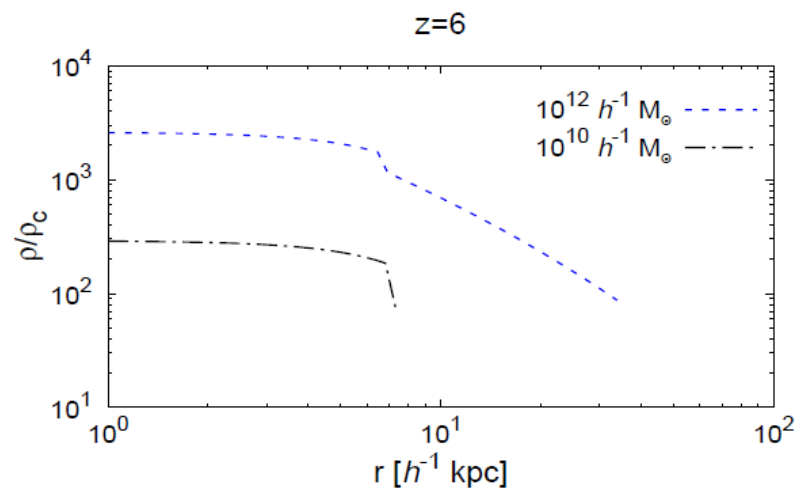
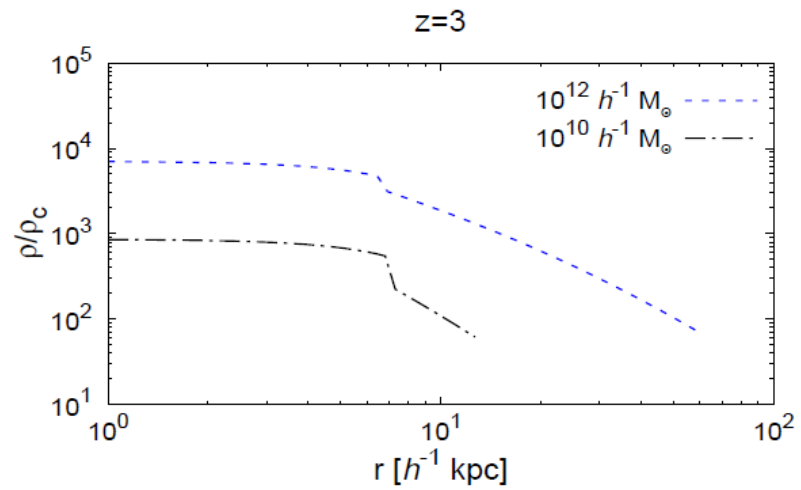


Typical effect of a quartic interaction on the power spectrum of matter

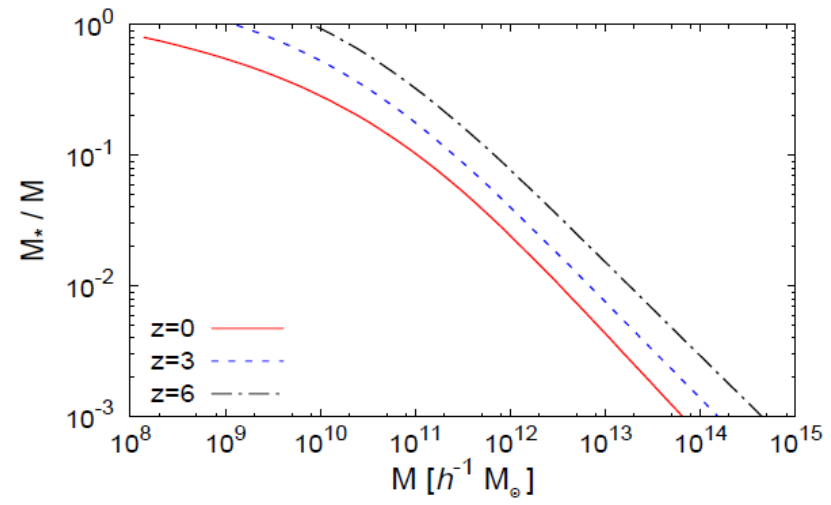


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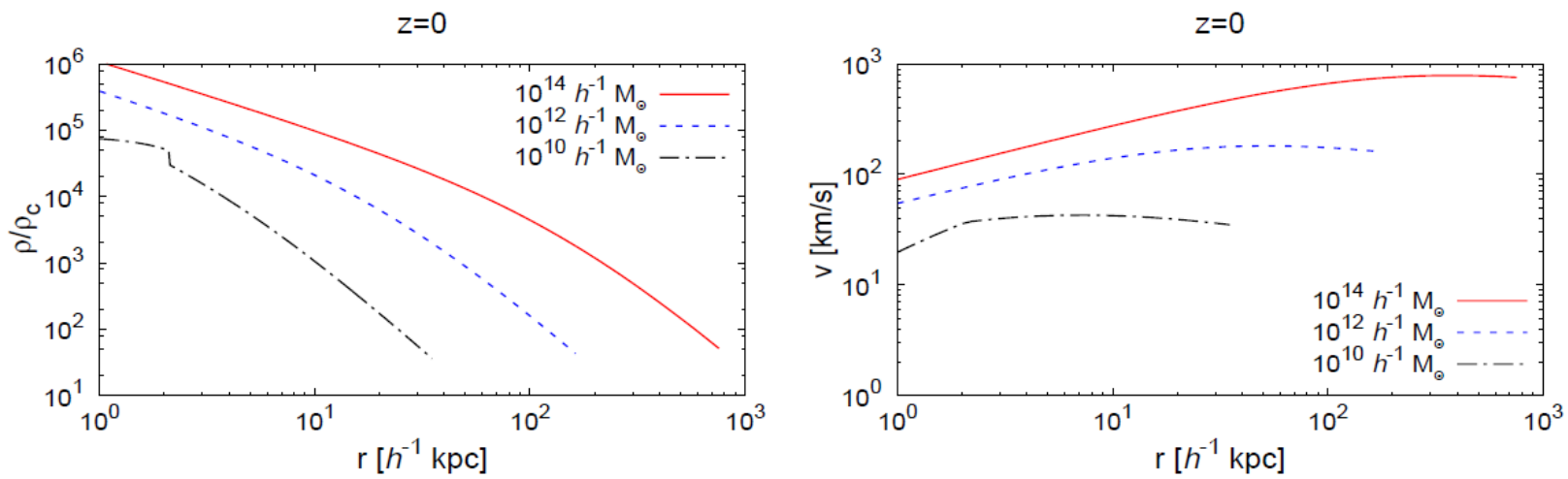
The core effect extended by the NFW profile.



The same profile is almost all the whole halo for small halo masses.



The portion of the core mass for different masses and redshifts



The cosine model does not support a constant core for large masses.

