

# Recap Quizzz— Chapter 11

- What is the Zel'dovich approximation?
- What are N-body simulations of dark matter, what are the main steps involved?

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- Which problem can occur since individual DM particles cannot be resolved, and how is fixed?
- What is needed to make cosmological simulations with billions of particles computationally feasible?
- What are DM halos, how do they form? What are stages of halo formation?

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- How can individual DM halos be identified in simulations? And how does the halo mass function evolve with redshift?
- What are merger trees, and what do they tell us about the formation of the large-scale structure in a CDM scenario?