

Exercises — 6

Analytical exercise:

- Derive the linear perturbation equations for the Euler and Poisson equations in co-moving coordinates and then derive the growth equation, following the instructions of the lecture slides

Go through the Recap Quizzz

- ...for Chapters 8 and 9 (environment and high-redshift galaxies)...

Today's reading suggestion

- **Springel et al. 2006** (Nature), “*The large-scale structure of the Universe*”
 - Think about the question: what is the success of the Λ CDM model and which are its challenges?
 - <https://ui.adsabs.harvard.edu/abs/2006Natur.440.1137S/abstract> (TA will show you how to download the paper)