









How to explain "cosmic structure" without using these five terms?

COSMIC STRUCTURE

(HYDRO-) DYNAMICS
EQUILIBRIUM
PHASE-SPACE
COSMOL. MODEL
SPHERICAL COLLAPSE





How to explain "cosmic structure" without using these five terms?

COSMIC STRUCTURE

(HYDRO-) DYNAMICS
EQUILIBRIUM
PHASE-SPACE
COSMOL. MODEL
SPHERICAL COLLAPSE

- → use an ensemble of independent identically-distributed particles
- $\rightarrow\,$ find the most likely spatial configuration for the ensemble
- ightarrow strictly separate a structure from its dynamics
- → status-quo of a (cosmic) structure





How to describe an individual dark matter halo without using these five terms?

NFW PROFILE UNIVERSAL SHAPE HEURISTIC FIT R_2 SCALING CRITICAL DENSITY M-C-RELATION

- → analytic understanding of dark matter halos improve gravitational lensing results
- → scaling radius obtains a physical meaning improve knowledge about dark matter properties
- → description is independent of a (cosmic) assembly history what are the consequences?

Please help me to check for consistency with simulations & observations!