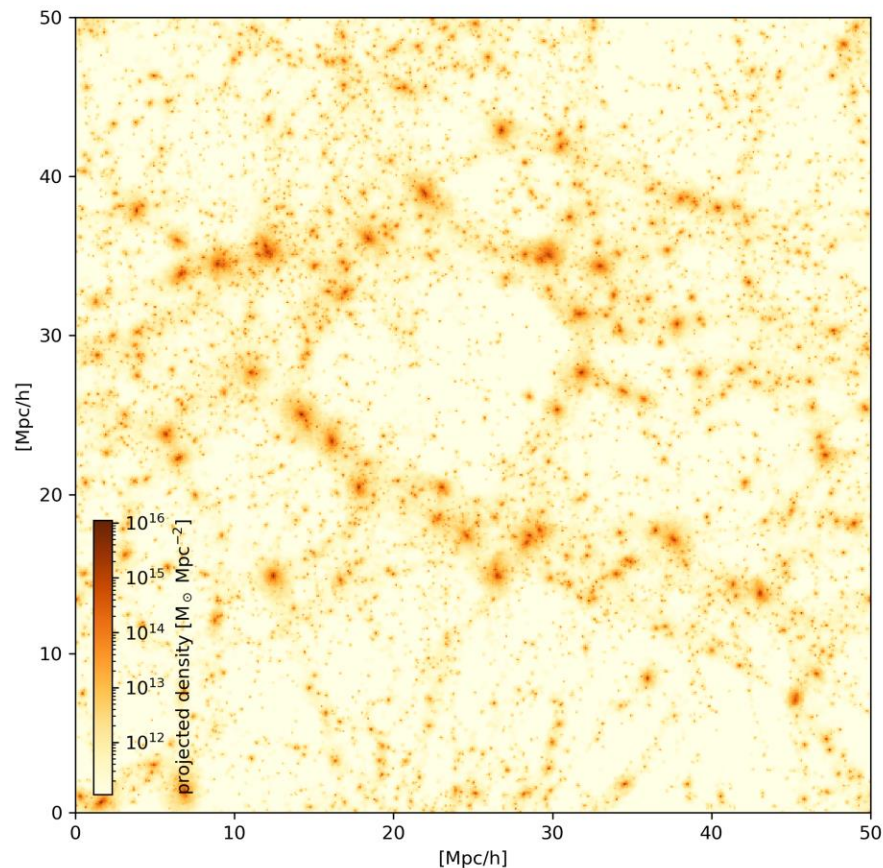


How to make a Universe on a computer

An introduction to running cosmological
structure formation simulations



Instructions



<https://cloud.aip.de/index.php/s/Snqc4x7rMd5Rjni>

An introduction to running cosmological structure formation simulations - schedule

Script:

<https://cloud.aip.de/index.php/s/Snqc4x7rMd5Rjni>

Repository:

git clone <https://github.com/rainerweinberger/CosmoComputingSchool.git>

Day 1 (Monday): [Section 3, 3.1, 3.2]

Compile Gadget-4, have a look at the configuration and parameters, run the simulation

Day 2 (Tuesday): [Section 3.3, 3.4]

Visualize n-body simulation results, run analysis

Day 4 (Thursday): [Section 4, 4.1, 4.2]

Compile Arepo, run cosmological simulations with gas

Day 5 (Friday): [Section 4.3]

Analysis of gas in cosmological simulation

