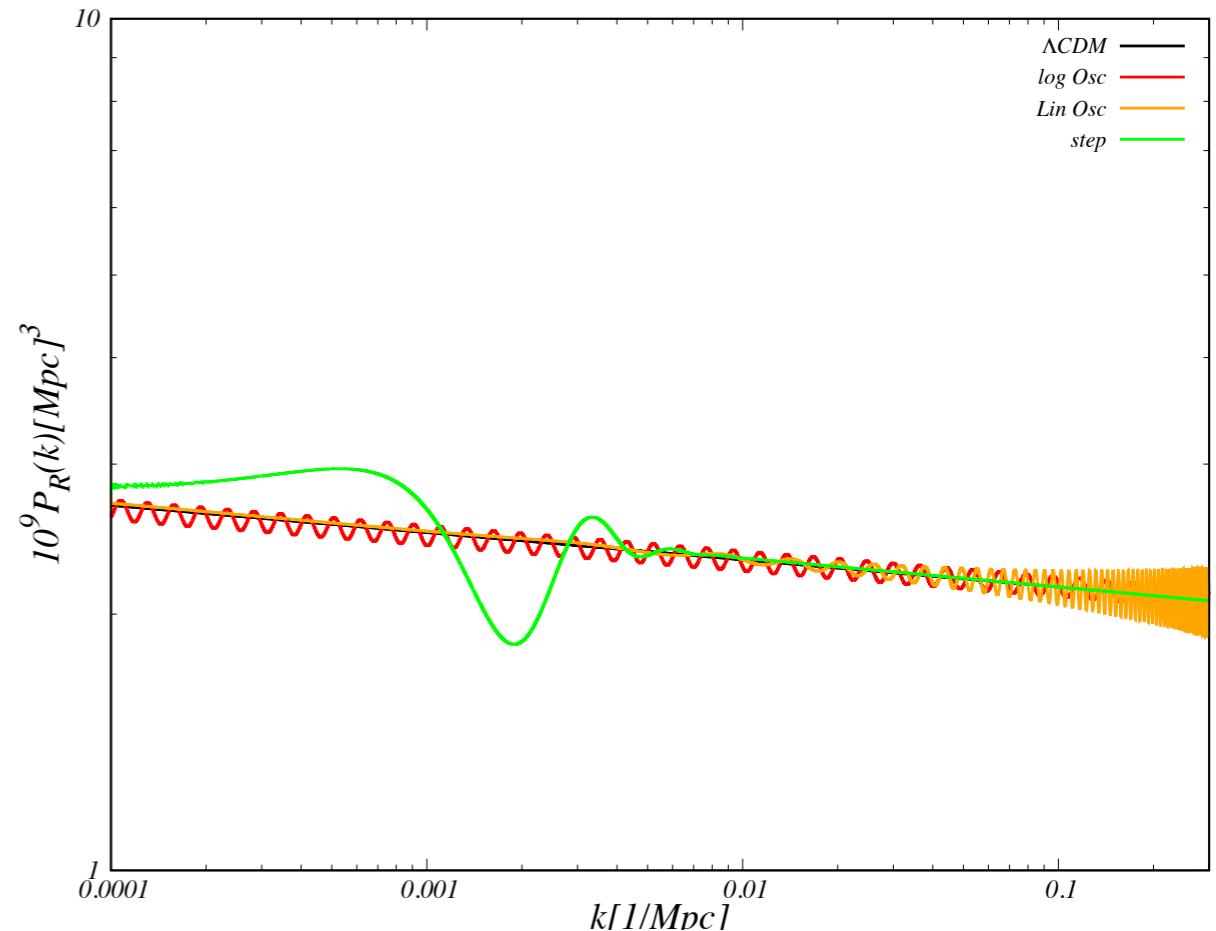


Late time Sky as a probe of steps and Oscillations in Primordial Universe



- Log oscillation
- Linear oscillation
- Step in potential

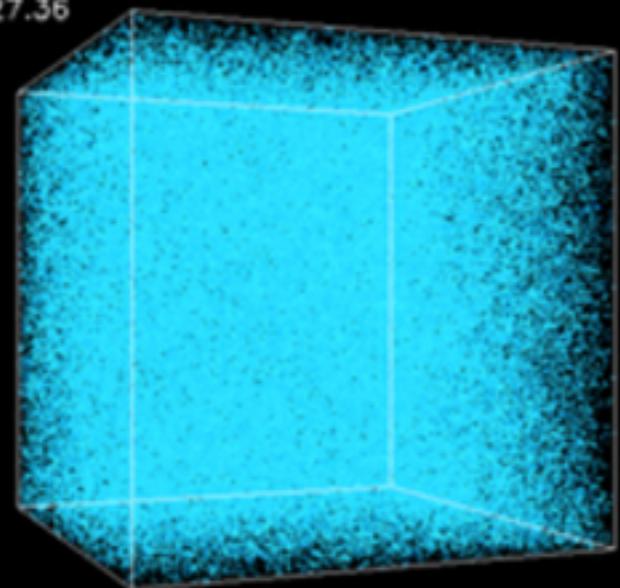
J. Martin and R. H. Brandenberger (2001)
 E. Silverstein and A. Westphal (2008)
 V. Bozza, et al (2003)
 M. G. Jackson and G. Shiu (2013)
 P. D. Meerburg and D. N. Spergel (2014)
 J. A. Adams (2001)
 X. Chen, M. H. Namjoo and Y. Wang (2015)



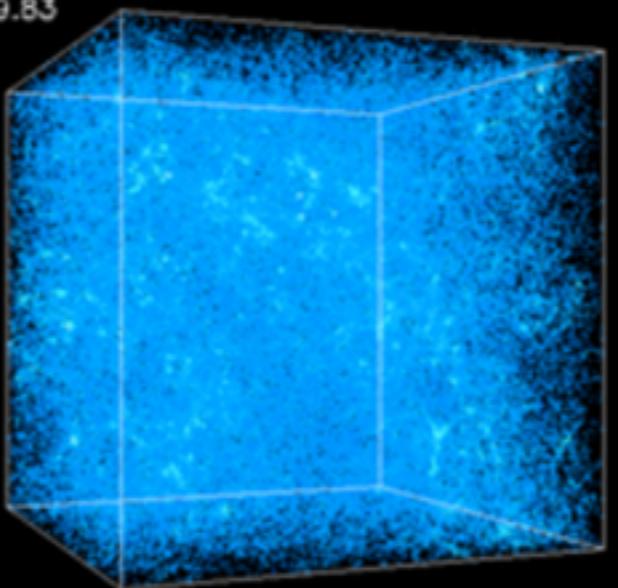
$$\bar{\mathcal{P}}_{\mathcal{R}}(k) = \frac{k^3}{2\pi^2} |\mathcal{R}_k|^2 = A_s \left(\frac{k}{k_*}\right)^{n_s - 1}$$

M. Ansari Fard and S. Baghram (2017)

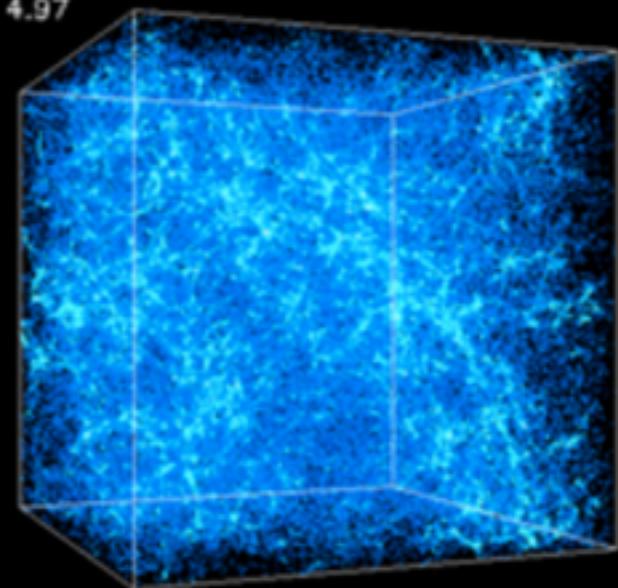
$Z=27.36$



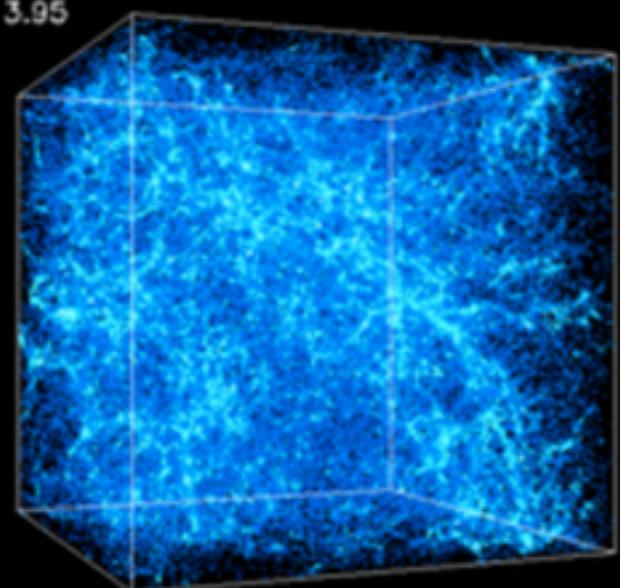
$Z= 9.83$



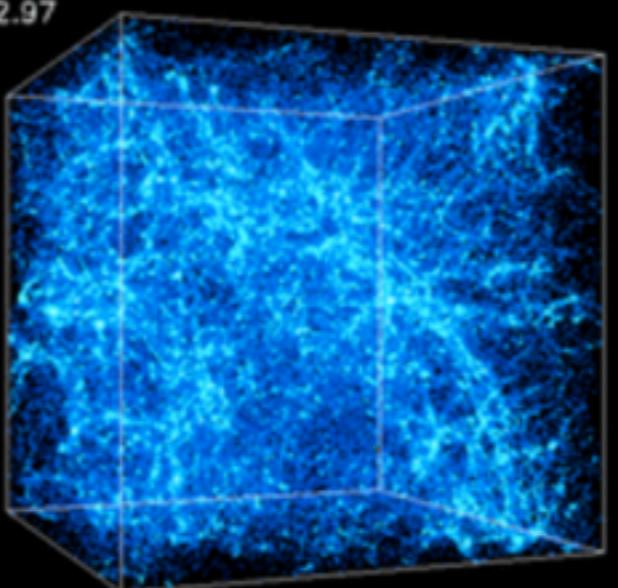
$Z= 4.97$



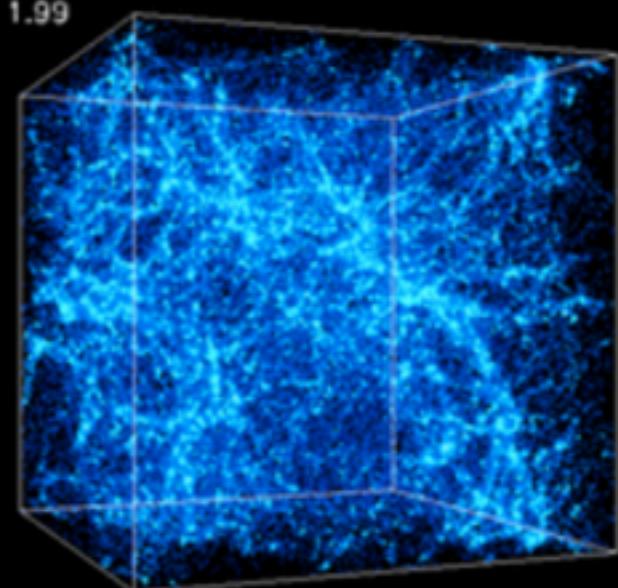
$Z= 3.95$



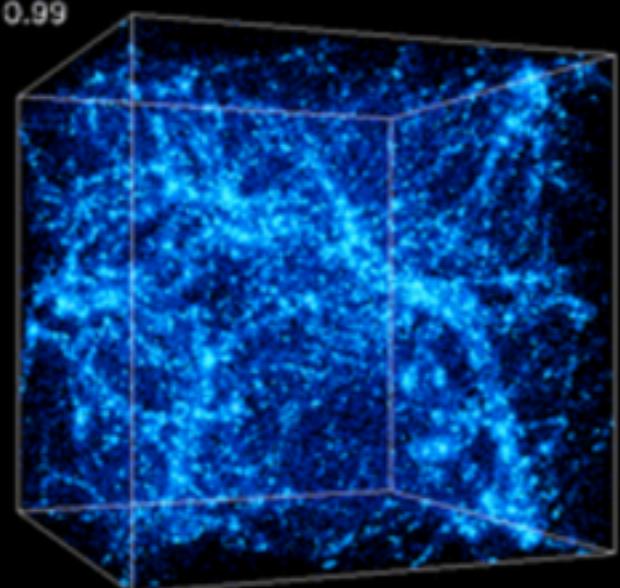
$Z= 2.97$



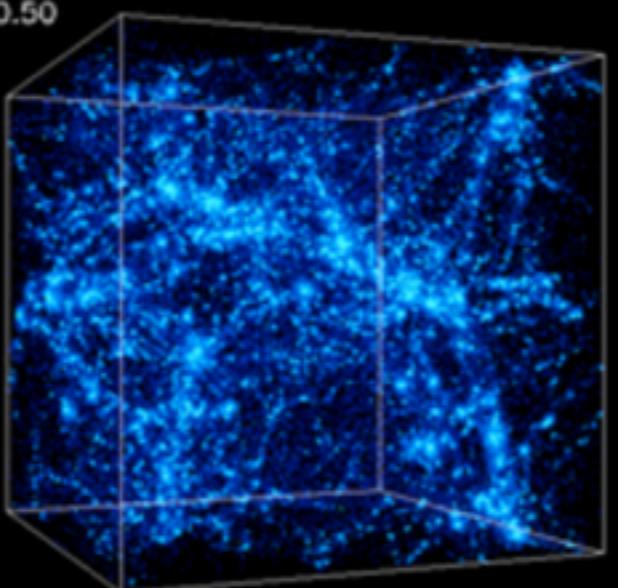
$Z= 1.99$



$Z= 0.99$



$Z= 0.50$



$Z= 0.00$

