

HOMEWORK # X

1. Explain the definition of the cosmological redshift z in terms of the relation $1 + z = \lambda_0 / \lambda$.
2. Explain the cosmological redshift using the relation $1 + z = R_0 / R$.
3. What is the significance of $z = 0$ in cosmology? What is the significance of $z = \infty$ in cosmology?
4. Describe briefly the epoch of galaxy formation.
5. Describe briefly the decoupling era.