

Abstract Submitted  
for the NEF11 Meeting of  
The American Physical Society

**The Universe is not expanding** ARI BRYNJOLFSSON, Applied Radiation Industries — Plasma redshift cosmology is a new cosmology that is far superior to the conventional Big-Bang cosmology. It shows that the universe is not expanding, and that there is no accelerated expansion. Closer analyses show that the equations leading to the Big-Bang are wrong or inadequate as they do not take properly into account: the dielectric constant, essential quantum effects, and important effects of the hot plasma, including the plasma frequency in intergalactic space. Plasma redshift cosmology explains the observed solar redshifts, the redshifts of stars, galaxies, quasars and the intergalactic plasma. Comparison with measured solar redshifts shows that Gravitational redshifts of optical lines reverse as the photons move from the Sun to the Earth. This shows that the optical photons are gravitationally repelled and not attracted as surmised in the Big-Bang cosmology. This shows that as star-matter concentrates at the center of galaxies, it turns so hot that the thermal collisions transform old star-matter to photons and primordial matter. This way the universe can renew itself for ever. The primordial matter can diffuse away from the center and is often seen surrounding the galaxy-centers. No Dark Energy, Dark matter, or Black Holes are needed to explain the observations

Ari Brynjolfsson  
Applied Radiation Industries

Date submitted: 12 Oct 2011

Electronic form version 1.4