

Abstract Submitted  
for the APR12 Meeting of  
The American Physical Society

**Gravitational Repulsion of Photons** ARI BRYNJOLFSSON, Applied Radiation Industries — Plasma redshift explains the cosmological redshift, the redshift of stars and galaxies, the cosmic microwave background, the cosmic X-ray background, the observed redshift relation for magnitude and surface-brightness for supernovae, the solar redshift, the transition zone for the solar corona, the high temperatures of the solar corona. Plasma redshift makes it clear that the optical solar lines are not gravitationally redshifted when observed on Earth. Instead their gravitational redshifts in the Sun are reversed, as the photons travel from the Sun to the Earth. This means that the photons are repelled and not attracted by the gravitational field. There is, therefore, no need for Einstein's Lambda for explaining the static Universe. When the matter concentrates and falls towards the center of galaxies, it becomes so hot that it disintegrates matter to reform primordial like matter. In this way the universe can renew itself forever. This is all based on conventional physics, using only more accurate physics and calculations than those usually used. There is no need for Dark Energy, Dark Matter, Accelerated Expansion, nor Black Holes for explaining the everlasting Universe.

Ari Brynjolfsson  
Applied Radiation Industries

Date submitted: 05 Jan 2012

Electronic form version 1.4