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Plasma Redshift and the Cosmological Redshift ARI BRYNJOLFSSON, Applied Radiation Industries — The newly discovered plasma redshift of photons has profound effect on many cosmological phenomena. It explains the high plasma temperatures in the solar corona, the galactic corona and in the intergalactic space, and it explains the solar redshift, the magnitude-redshift relation for supernovae Ia, the cosmological redshift, and the variations in the Hubble constant. It predicts that Quasars and many other objects have intrinsic redshifts. The hot intergalactic plasma, which is a consequence of the plasma redshift, explains the cosmic microwave background (CMB), which is emitted by the hot intergalactic plasma. Plasma redshift is based on basic conventional physics and is relatively simple to deduce. We will pinpoint and elucidate the improvements that were made to the equations commonly used in the literature; and we will make clear how the approximations that were conventionally used prevented the deduction of the plasma redshift.

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