

Abstract Submitted  
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**Medium's Properties Influence the Redshifting / Blushifting and Lensing** FLORENTIN SMARANDACHE, Univ of New Mexico — The longer is the medium corridor a wave passes through, the larger is the probability of the medium redshifting/blushifting and lensing of that wave. The wave may interfere or superposition with other medium's waves. Medium's Properties that play an important role: dynamicity of the medium; medium and wave interactivity; medium's electrostatic/magnetostatic/gravitational potentials at each point in the medium that the interest wave passes through; medium's degree of refractivity and degree of diffractivity; medium's selectivity (ability to discriminate against the wave of interest that has a different frequency); medium's energy density; medium's magnetic flux density and direction (permeability/reluctivity); medium's transmissivity (ability to transmit radiation); medium's diffusivity; medium's vibrations and oscillations; medium's sensitivity to waves and particles; the degree by which medium's solids and fluids mix with one another (diffusion); medium's distorticity; etc. The redshifting/blushifting and lensing are much more complex than the simple Doppler's apparent Effect or only the Gravitational Lensing (therefore, this questions Hubble's Law). Not all of these properties would have a much impact but some of them amplify the redshifts/blushifts and light bending.

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