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Einstein was partly right but greatly confusing

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Report on NASA observation of two gamma photons of widely different energies arriving together after 7.3bn years is a misleading hype as it only shows non-dispersion of light in free space on which Einstein did not comment. The event is a repeat of 1919 observation by Eddington of the bending of star-light by sun's gravity, which is better explained from this author's Unified Theory but made Einstein a hero over night.

A wave is the undulations in its medium and cannot exist without it. Einstein wrongly replaced the medium for light wave with non-existent mathematical spacetime continuum for relativity theories. This created the greatest confusion in science and denied him the chance to address intrinsic wave-quantum unity of light and grasp existence of the "Basic Substance" composing all forms of energy E and mass m otherwise E & m could not interconvert to support his equation $E=mc^2$.

Einstein pursued the assumption that 'light velocity c in mathematical spacetime is constant & invariant to source-observer motion', whether uniform (Special Relativity) or non-uniform (General Relativity), making bizarre demand on Nature to show 'contraction of space' and 'dilation of time'. But his theories stand invalidated by the variability of light velocity observed by K. Scharnhorst, *Phys.Lett.B* **286**, 354, 1990; G. Barton, *Phys.Lett.B* **237**, 552, 1990 and D. Mugnai, A. Ranfagni & R. Ruggeri, *Phys. Rev. Lett.* **84**, 4830, 2000; L. J. Wang, A. Kuzmich & A. Dogariu, *Nature* **406**, 277, 2000.

In fact Einstein was unclear about the real nature of light and the light medium in 1905 when he formulated the Special Relativity and the theory to explain the photoelectric effect that won him the 1921 Nobel Physics prize and remained so unclear through out his life. On 12 December 1951 he wrote to M. Besso thus: "*All these 50 years of conscious brooding have brought me no nearer to the answer to the question: What are light quanta?*"

However, in this author's Unified Theory light velocity $c = (e_0 \cdot \mu_0)^{-1/2}$ is set by the electric permittivity e_0 and magnetic permeability μ_0 of the *light propagating sharmon medium*, which are unaffected by the source-observer motion or energy of light photon. But sharmon medium as the 'Basic Substance' and in nature of a 'kinetic gas' provides for local variability of c . Unified Theory (*Unified Physical Theory*, COSMO, New Delhi, 1990; *Realistic Foundations of Physics & Cosmology*, Abhishek Publications, Chandigarh, 2002) thus explains all the observed properties & phenomena of light including those which Relativity & Quantum Theory could not explain.

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