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Special and general relativity and the relativistic ether as observer dependent by the retardation

In this paper I'll show how the relativistic effect in SRT must be observer dependent which is leading to field and retardation, and that is leading to the wave-particle duality and the uncertainty principle by the vacuum fluctuation. In this I propose a new transformation by translating the retardation according to the invariance by the entanglement which is leading to the relativistic ether from the point of view of the quantum vacuum which is leading to the wave-particle duality and the uncertainty principle by the vacuum fluctuation. According to my transformation, there are two pictures for the moving train, and these two pictures are separate in space and time as a result of the retardation but they are entangled by the invariance of the energy momentum. That will lead also to explain the double slit experiment from the point of view of quantum theory. In my new transformation, I propose there is no space-time continuum, as in special relativity; it is only time, and space is invariant. That leads to the new transformation being vacuum energy dependent instead of relative velocity dependent as in Einstein's interpretation of the Lorentz transformation equations of the theory of special relativity. Furthermore, the Lorentz factor in my transformation is equivalent to the refractive index in optics. That leads to the disappearance of all the paradoxes of the theory of special relativity: The Twin paradox, Ehrenfest paradox, the Ladder paradox, and Bell's spaceship paradox. Furthermore, according to my interpretation, one could explain the experimental results of quantum tunneling and entanglement (spooky action), Casimir effect, and Hartman effect. Also according to that by my equivalence principle, dark matter and dark energy are explained, and no need to propose dark matter and dark energy, and as a consequence of that, the cosmological constant problem will be solved.

Biography

Azzam Almosallami is a Theoretical Physicist based out of Zurich, Switzerland. He has published many articles and researched on many theories. His research was published in a journal and it is well known among most of the professors in physics. It was discussed in research gate since four years and succeeded in his paper in quantization of gravity. Because of that the discussion about relativity SRT and GR is almost closed. With the help of his theory, he could solve all the problems in physics very easily.

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