

Light as a particle in a wave?

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- *From:* "Scismgenie" <Scismgenie@xxxxxxxxxxxxx>
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IF Light can display properties as both a particle and a waveform, would that negate the threshold of Light as the ultimate speed limit of mass?

Or does it imply that anything going AT the speed of light loses all Mass characteristics?

Is the amount of energy EXPENDED to accelerate mass to the speed of light considered to be infinite? (exponentially taking MORE energy to push a smaller mass faster?) Is there an Energy barrier of diminishing returns?

In other-words the Speed of Light is probably FASTER than the practical ability to gain acceleration? (except on a molecular scale?)

If Light is a particle, and that particle is scillating (frequency) and the frequency of oscillation is longer than a reference point, do different frequency oscillations cause the particles to move at different speeds in relation to the crossover point of teh oscillation? If so does that indicate that Light particles of a longer wavelength are traveling faster than shorteones to cover the same distance of linear travel in the same time reference, (actually covering more distance because of wider oscillations?) Or it is represented that the particle travels at a constant speed linearly, but oscilates perpendicular to the direction of travel a greater vaariance from the crossover reference? (wobble?)

If a light particle oscillates, what does it oscillate AROUND, would it be like an Orbit with a complementary mass to oscillate around?

Excuse my simplistic non-educated questions.

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 - ◇ *From:* Edward Green

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- ◆ **Re: Light as a particle in a wave?**
◇ From: Bjoern Feuerbacher
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