

Absurdity

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From the Einstein's and Planck's formulas of the energy:

$$E = mc^2 \quad \text{and} \quad E = hf \quad \Leftrightarrow$$

$$\Leftrightarrow \quad m = \frac{hf}{c^2}$$

For a visible photon:

$$f = 5 \times 10^{14} \text{ Hz} \quad \Leftrightarrow \quad m = 3.686 \times 10^{-36} \text{ kg}$$

Momentum:

$$p = mv$$

How can the photon have momentum if it has zero mass?

How can the photons feel gravity?

The Unified Absolute Relativity Theory explains this:

The photon has mass because its speed is not c but w .

$$w = \sqrt{c^2 - kf^2} \quad \Leftrightarrow \quad c - w = \frac{kf^2}{2c}$$

For the same photon:

$$c - w = 8.3 \times 10^{-14} \text{ ms}^{-1}$$