

# The Existence of a Speed Higher Than Light Using Mathematical and Physical Equations of the Speed of Light

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The birthplace of a photon is an electron orbiting around the atomic nucleus. When we induce energy changes in the electron; exciting an electron, it emits a photon. Therefore, the photon undergoes projectile motion. However, the electron rotates at a speed close to the speed of light around the nucleus, and the combination of this motion with the projectile motion of the photon results in the released photon having both rotational and linear motion simultaneously. The combination of these two paths creates a helical path.

The true speed of the photon is, in fact, the speed in this helical path, which can be calculated using the following equations:

True Velocity = Linear Velocity + Wave Velocity

In this paper we are going to calculate the speed of an electromagnetic wave and we will show that Linear Velocity is equal to “C” and Wave Velocity must be 1.57 times the speed of light “C”. Therefore, the total speed of electromagnetic waves will be faster than the speed of light.

