

A New Simple Explanation to Demonstrate the Helical Motion of Photons in the Universe

Gh. Saleh

Saleh Research Centre, Netherlands

Consideration of the Moon, as observed nightly, reveals that it orbits the Earth, while the Earth itself orbits the Sun. In reality, as the Moon revolves around the Earth, the combined gravitational influence of the Earth and the Sun—around which it also travels—induces an additional motion.

Essentially, the rotational movement around the Earth, combined with the Earth's closed-curve orbit around the Sun, results in both circular and linear motion. The combination of these two movements produces helical motion.

When identifying the source of photons in nature, they are easily located within the electron. Electrons "emit" photons during release; however, at the moment of emission, these photons are influenced by the electron's rotation around its own axis, as well as the electron's orbit around the central nucleus.

During the emission of a photon, there is a linear motion (which establishes the speed C) and a subsequent rotational motion transferred from the electron's spin and its orbital path around the proton. Therefore, the interaction between simple linear motion and rotational motion creates a helical motion. Due to these dual rotational influences, photons possess both a "small" and "large" helical motion, with the amplitude of a wave being defined within the larger helical motion.

References:

- [1] Saleh, Gh. "The Principle of Helical Motion from the Smallest Particle (Photon) to the Largest (Galaxies)." Saleh Theory, 14 Sep. 2025, <https://saleh-theory.com/article/the-principle-of-helical-motion-from-the-smallest-particle-photon-to-the-largest-galaxies>
- [2] Saleh, Gh. "10 Identical Characteristics in the Motion of Objects, From the Smallest (Photons) to the Largest (Galaxies)." Saleh Theory, 12 Jul. 2025, <https://saleh-theory.com/article/10-identical-characteristics-in-the-motion-of-objects-from-the-smallest-photons-to-the-largest-galaxies>
- [3] Saleh, Gh. "A New Explanation for the Repeating Nested Helical Path of Motion; from the Smallest Particles of Existence, Photons, to Moons, Planets, Stars, Galaxies, etc.!" *APS April Meeting Abstracts*. Vol. 2024. 2024.
- [4] Saleh, Gh. "A New Explanation for the Motion of Photon; The Nested Helical Motion." *APS New England Section Fall Meeting Abstracts*. 2023.



- [5] [Saleh, Gh. "Proving the Helical Motion of the Photon With Ten Reasons." *APS New England Section Fall Meeting Abstracts*. 2023.](#)
- [6] [Saleh, Gh. "The Helical Motion of Photons; The Proof of Wave-Particle Duality of Photons." *APS Meeting Abstracts*. 2023.](#)
- [7] [Saleh, Gh. "Proving the Helical Motion of the Photon With Ten Reasons." *APS New England Section Fall Meeting Abstracts*. 2023.](#)
- [8] [Saleh, Gh. "10 Great Reasons for Helical Motion of Photon." *APS Meeting Abstracts*. 2022.](#)
- [9] Saleh, Gh. "10 Great Reasons for Helical Motion of Photon." Saleh Theory, 18 Aug. 2021, <https://www.saleh-theory.com/article/10-great-reasons-for-helical-motion-of-photon>

