

New Explanation for the Types of Real Motion of Galaxies in the Universe

Gh. Saleh

Saleh Research Centre, Netherlands

If the night sky is observed, many luminous points will be seen that initially each of those evoke a simple star in the mind. But if they were look with a telescope, it would be found that many of them are galaxies that have hidden a large world of information and properties in their hearts, like shape, size, structure, manner, types of motion, and so on.

Today, the existence of internal rotational motion in galaxies is no secret to anyone. But the question is, given the proven motion in the universe that causes galaxies to move away from each other, what is the type of its motion? Does a galaxy only follow a straight linear path, or does it have a combined one?

In answer, it should be said that according to previous articles published by Saleh Theory, in which 10 principles of motion for all objects from the smallest (photon) to the largest (galaxy) were stated, galaxies have helical motion. Although this helical motion (as stated in previous articles describing images taken by the Hubble Telescope) is visible, the reason for it can be found in the number of movements of a galaxy.

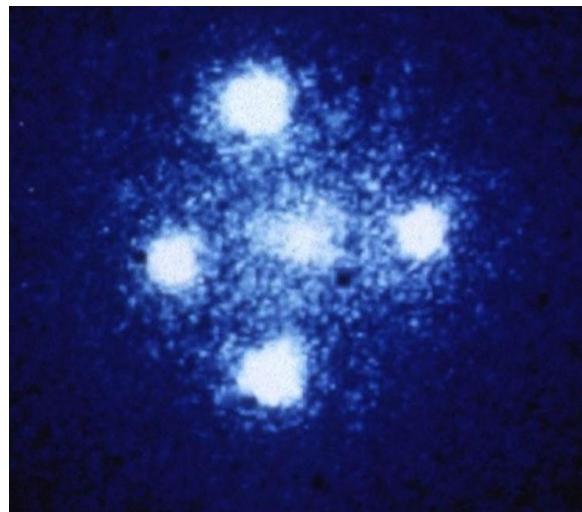


Fig 1: Captured by Hubble Telescope

Just as the Earth, in addition to rotating around itself, is also rotating around the Sun and with the Sun simultaneously, it is also rotating around the central black hole of the Milky Way Galaxy, a galaxy that has several types of external motion in addition to its internal rotational motion. Two types will be explained as follows:

- 1- Rotational motion around the cluster: This motion actually exists because a galaxy belongs to its central cluster, in which galaxies are rotating around a larger central



galaxy.

2- The motion of a cluster around the centre of the universe: As was proven in previous articles and using Hubble's law, our universe has been rotating around an axis passing through its centre (the place where the Big Bang happened) since the Big Bang, so the cluster in question is also rotating around the centre of the universe. As a result, the galaxy in question, along with the rest of the cluster galaxies, is also rotating around the centre of the universe.

But on the other hand, in the previous articles of Saleh Theory, it was theoretically proved that whenever we have more than one rotational motion, the resulting motion will not be a linear one and, depending on the number of rotational motions, the resulting motion will always be in the form of a helical or a nested helical motion. Considering that, it has proven before that galaxies have at least 2 external rotational motions, the motion of galaxies in the universe will not be linear, and their motions will be in the form of a helical or nested helical motion.

References:

[1] 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>

[2] Saleh, Gh. "A New Explanation for the Helical Motion of Galaxies Based on a Hubble Telescope Image (Observer's View) in the Universe." Saleh Theory, 1 Sep 2025, <https://saleh-theory.com/article/a-new-explanation-for-the-helical-motion-of-galaxies-based-on-a-hubble-telescope-image-observers-view-in-the-universe>

[3] Saleh, Gh. "A New and Simple Explanation for the Why and How of the Helical Motion of Celestial Objects, from the Smallest (Natural Satellites) to the Largest (Galaxies), in the Universe." Saleh Theory, 25 Oct 2025, <https://saleh-theory.com/article/a-new-and-simple-explanation-for-the-why-and-how-of-the-helical-motion-of-celestial-objects-from-the-smallest-natural-satellites-to-the-largest-galaxies-in-the-universe>

[4] 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.!" Saleh Theory, 15 Jul. 2023, <https://saleh-theory.com/article/a-new-explanation-for-the-repeating-nested-helical-path-of-motion-from-the-smallest-particles-of-existence-photons-to-moons-planets-stars-galaxies-etc>

[5] Saleh, Gh. "The Principle of Complex Helical Motion, From Photon to Planets, Stars, Galaxies, ... in the Universe." Saleh Theory, 13 May 2023, <https://saleh-theory.com/article/the-principle-of-complex-helical-motion-from-photon-to-planets-stars-galaxies-in-the-universe>

