

Some Miracles of Physics in the Holy Qur'an

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Abstract: *It is known that the Qur'an was revealed orally to the Prophet Muhammad (peace and blessings of Allah be upon him) in the form of a surah, a verse, by the Messenger of Allah (peace and blessings of Allah be upon him) in Gabriel for 23 years. It is impossible to enumerate the scientific miracles of the Qur'an. Of course, to understand them, a person must have a certain knowledge of physics. After all, it is a masterpiece of the universe, a perfect art in tone, and a great discovery in mathematics and physics. In fact, physics is the doctrine of Allah's destiny. Physics is not a physical science, as some poor people think, but the laws of the universe. In interpreting a number of verses in our various books, we have focused on physical analysis. We realize that the events we are studying today are narrated in the word of Allah. I would like to mention just a few of them.*

Keywords: Qur'an, universe, gravity, gyroscope, Kepler, Newton, sun, moon, orbit, gravitational force.

Introduction

All material beings in the universe stand on their own gravitational pull. If there were no other effect, all matter would instantly stick together and the universe would become a single body. The scattered equilibrium of the universe of matter is maintained by the vibrational force of gyroscopic motion. In this respect, all material beings continue in constant motion.

All events that occur during the rapid rotation of the gyroscope are called gyroscopic events. These phenomena have a scientific and technical application. Symmetrical gyroscopes are of special importance in science and technology. A gyroscope that has an axis of rotation symmetry, called the axis of the shape of the gyroscope, or the geometric axis of the gyroscope, is called symmetric. We mainly look at a symmetrical gyroscope. One point of the gyroscope is fixed. The point of attachment of the gyroscope axis is called the base of the gyroscope.

"The sun moves in its place, and God, the Almighty, has ordained it. And we've marked the moon, and it's going to be a vine. The sun does not replace the moon. The night does not pass during the day, and everyone floats in space". (Surah **Yasin**, 38-40).

Materials and methods

The verses quoted in Surah "Yasin" are still recognized by science. However, the universe is not fully illuminated. In 1609, in his "New Astronomy" Kepler argued that there was a common gravitational force between all bodies. This idea was also confirmed by the French mathematician P. Fermat. In the 60s and 70s of the seventeenth century, Borelli, and then Robert Hooke, tried to calculate the force of gravity and to find the dependence of gravity on distance. From 1684 to 1686, based on Newton Kepler's laws and the 2nd law of dynamics, he proved that planets are attracted to the Sun with a force proportional to their mass and inversely proportional to the square of the distance between them. Newton then showed that the motions of Jupiter and Saturn around these planets obey Kepler's law. He also studied the motion of comets and the motion of the Moon around the Earth. All bodies in nature interact with each other, regardless of their structure and chemical composition. The law of gravitation was defined by Newton (1687) and is called the law of universal gravitation.

$$F=G\frac{m_1m_2}{r^2}$$

Here m_1 , m_2 - are the masses of the two gravitational bodies, r -is the distance between the centers of mass of the gravitational bodies and the G -gravitational constant [5].

"I swear by the sun and its light, and by the moon that follows it, and by the day when it reveals itself, and by the night that envelops it, and by the sky, and by its building, and by the earth, and by its spreading." . (Surah **Shams**, 1-6) [3].

Result and Discussion

Before Newton created the law of universal gravitation, everything was clearly stated in the Word of God. If the whole universe did not have a law of gravity, it would be infinite and disappear. Without gyroscopic repulsion, one body would cling to another and disappear. The theory of particles in the creation of the material universe considers these two hidden forces to be the conditions for the existence of the material universe. Gravity has not yet been adequately defined. There is a definition in the Qur'an that means that the force of repulsion is the opposite (gravity is the opposite of gyroscopic repulsion). There is no better physical concept.

Falo uksimu bil hunnas ... (Surah **Takweer**, 15)

I mean, I swear to the Huns ...

In Arabic, "hunnas" has two meanings: one is "hunnas" - "drawn in a corner". However, the dictionary says that the word "hunnas" when used figuratively in relation to action means to move in the opposite direction. Look at this, as the verse after verse speaks of orbital motion flowing openly.

Al-Jawaril Kunnas ... (Surah **Takweer**, 16)

In Arabic, "kunnas" means the purpose, path, orbit, direction, line of motion of an action. The meaning of the verse is "to him who moves in orbit ...": that is, the roof is defined by the gyroscopic force of motion. So, the two verses together are in the form of "I swear by the hidden power (gravity) flowing back to itself and flowing in its orbit ..." or, to be more precise, (five) to the hidden planets, by the night that comes and goes in its darkness, and by the morning that it (shines). (Surah **Takweer**, 15-18) Note: The five planetary stars are Mirrix, Zuhul, Atorud, Zuhra, and Mushtariy.

Here and in other verses of the Qur'an, the term "oath" is used, and I think it is necessary to comment on the "oath", which is not exactly the same in other languages.

In the Qur'an, swearing is an example of scientific truth in general. When God gives a command, He uses the oath to prove the order of the stars and the sun, and to exaggerate these truths. Thus, in this verse too, Allah refers to the event of the Day of Judgment in the Surah as a model of the most important physical law in the universe. That is, as an automatic answer to the question of how the universe can be, it exemplifies the greatest physical law of the material world. I swear by the truth of gravity and the repulsive power of gyroscopic motion." [1]

There are countless such miracles in the Qur'an. Since one of the most important physical problems in the universe is the law of universal gravitation, I have also quoted some verses that explain this law.

"... And say, '**Robbim, increase my knowledge.**'" (Surat at-Taha, 114) [4].

References

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