

Black holes " Mathematically theorem of causes of formation "and Islamic philosophy about it

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Abstract:

Live human in a small planet within a solar set belong to a galaxy within nebula and space a positive, and he does not know what this creation is and what substance is and attributes that to God Almighty, the Creator of everything and this of course is the correct one. No one sought from the people to verify the truth of creation and matter (substance), except a few of them who throughout history have suffered from societies' lack of acceptance of their theories and discoveries in their time. Where some of them were imprisoned, tortured or killed by burning, as happened to Galileo when he said that the earth is round, so the Knesset at that time to issue an order to burn him alive and considered it practice a heresy. This is the case of all scholars and thinkers of all nations without exception. This suffering has decreased we time current and has It receded in some societies, including the West, and has remained somewhat in others, including the Islamic community. Although God Almighty has urged us to seek knowledge and deepen it through what is stated in the Holy Quran / Al-Rahman / verse 33[1] :-

In the name of Allah, the Merciful

(O company of jinn and mankind, if you are able to pass beyond the regions of the heavens and the earth, then pass. You will not pass except by authority from Allah)

Believe God Almighty

This verse means that God Almighty gives approval to the jinn and people to explore space and the Earth if they have enough knowledge.

The diameters of the heavens here are space objects. This verse represents vacation and authorization from God Almighty for human and the jinn to penetrate space learn about his secrets and delve into his creation, indicating that this will only be done with science and knowledge.

Keywords: Black holes.

1. Introduction

Black holes had for many decades a large area in scientific research and studies, several scientists and researchers have fought in their throats, including scientist Stephen Hawking. All of these studies

revolve around the question of scientists' confusion, which is (How does a black hole form? What are the conditions that lead to the generation of a black hole?), and around this question, it is first must to know the truth of matter in addition to the general

image of the whole creation, and by that I mean the universe and what it includes of astronomy, crimes and minutes. This, of course, is by going into the infinite in small and the infinite in large, as we will see.

We start with the atom with language and description a simple. We point out that the atom of any element consists of a nucleus that includes protons, neutrons, and orbits in which electrons rotate. The atom contains a giant space so that if the atom's nucleus is the size of a small tennis ball, the size of the orbits of the electrons is the size of the globe. This indicates that the atom mostly it a space and its size governed with the forces of gravity between the nucleus and the electrons that ultimately and by the sum of all the atoms or molecules of the constituent elements of the body, whatever was. Forming the shape of the final body.

From this, it becomes clear to us that the size of matter represents space with rate large that exceeds all expectations. The physical turn says (If gathered the nucleus of the atoms for all the constituent materials of the globe, the thimble of sewing would not be filled). If we assume that if we collect the electrons of the atoms for all the constituent materials of the globe, then their size will be much smaller than the size of the sewing thimble, and suppose they are the size of the sewing thimble. So you can imagine that the total sizes of protons, neutrons, and electrons for all the constituent materials of the globe without spaces do not exceed the sewing thimble only, i.e. no more than four cubic centimeters. So what is this giant size of the globe? (The answer is all a space) (This physical assumption does not lose the small size of the components of the Earth's material, amount of its mass, nor its gravity never, but on the contrary, all mass and gravity will be concentrated in this small size, and thus the Earth will be a small size with a giant mass and a giant gravity).

If we end after the first default pressure for the earth to ball in diameter 2 centimeters. We can imagine a mass the size of the Earth and its gravity being concentrated in a ball about 2 centimeters in diameter.

How attractive will this little ball be, with great mass and how will you deal with the objects that approach it.

On this topic, it is worth noting here that modern science recently reached a new fact that the structure of the electron, proton and neutron is similar in composition to the shape of the atom. And they found that there is an electron center that represents its nucleus and particles that revolve around that center and with voids that match in their proportion towards the electron components those voids in The atom is between its nuclei and its electrons, and the same is the proton and neutron.

So imagine if the electrons, protons, and neutrons were compressed, we would have forgotten the blanks in the electron, proton and neutron formation, in this case, we return to the 2-centimeter ball, which represents the Earth, after compressing the first pressure. If we pressed this ball a second pressure and canceled the blanks in the formation of the particle that makes up the atom ... how big would it be??? It will be a very, very, very small size but carries the same mass and gravity as the Earth.

Here we pause a little and try to imagine this small size in which the mass of the earth was concentrated and the gravity of the earth gathered in it. Since the size has diminished to such a degree, gravity has become so gigantic that it is unimaginable and how the fate of the body that comes close to it will be.

Now let's look at what the sources contained about the black hole.

Black hole (Introductory profile): It is a region present in space-time (space with its four dimensions,

which is the three dimensions in addition to time) characterized by a very strong gravity so that nothing, not even particles or electromagnetic radiation waves like light can escape from them[3]. General relativity predicts that a compressed mass of a certain amount can alter space-time to form a black hole[4][5]. The boundaries of the region from which no escape can be called are called the "event horizon". Although crossing the boundaries of the event horizon has enormous effects on the fate and conditions of anybody that crosses it, there are no observable properties for this region[6]. The black hole acts as an ideal black body, because it does not reflect any light[7][8]. Moreover, the quantum field theory in curved space-time predicts emitting Hawking radiation from areas of event horizons, with the same spectrum as that of the black body to a temperature inversely proportional to its mass[9].

As of December 2018, appear eleven wave from gravitational waves that have emerged from the merging of ten black holes and one gravitational wave resulting from the fusion of a binary neutron star[10][11][12]. On April 10, 2019, the first ever image of a black hole and its surroundings was published, following readings obtained by the telescope of the event horizon in 2017 related to the massive black hole in the center of the galaxy (Messier 87)[13].

2. Characteristics and composition:

The hairless theory assumes that, once a black hole reaches a stable state after its formation, it has only three independent physical properties: mass, charge, and angular momentum. Otherwise, the black hole does not have any other properties. The degree to which theory corresponds to black holes on the ground and according to the laws of modern physics is a problem that has not yet been solved[14].

Likewise, the total mass of a sphere with a black hole can be found using the gravitational analog of the Gaussian law, the EDM mass, away from the black hole. Likewise, angular momentum can be measured from afar by using frame pulling by the gravitational magnetic field[15][16].

The gravitational and electric fields in the black hole provide very little information about the bodies that cross inward. Missing information includes every amount that cannot be measured out of the black hole's horizon, including nearly preserved quantum numbers such as the Prion total number and the lepton number. This behavior is so puzzling that it has been called the paradox of black hole information loss[17].

3. Primitive black holes and the big bang:.

The occurrence of gravitational collapse requires significant density. High density alone is not sufficient to allow the formation of a black hole because the mass distribution in balanced figure would not have allowed the mass to gathering. For primitive black holes to form in such a dense medium there must have been disturbances in the initial density, which could then grow under their weight. Different models of the early universe differ greatly in their predictions of the size of fluctuations. Various models predict the formation of primitive black holes ranging in size from the Planck mass to hundreds of thousands of solar masses[18].

Although the early universe was very dense. Too dense more than required usually to form a black hole. However, it did not turn into a black hole during the Big Bang. Gravitational collapse models of relatively fixed-sized bodies, such as stars, do not apply to rapid expansion of space such as the Big Bang.

4. Research Idea:

Explain how a black hole is formed and what its relationship to matter and stars. Where we will use a simple method to clarify this subject so that the honorable reader will discover this secret that scientists have previously is preoccupied with him

over the years and we pray to God to help us to complete this task.

5. Material and compressibility [19][20][21]:

The rule known to us through our academic and educational studies is that the liquids are incompressible. This rule does not apply in space due to mass, heat, and density. To illustrate this, we set an example in the energy released by the sun. The sun emits its energy from its heart, where hydrogen explosions occur in the sun's heart. Since the radius of the sun is 695,510 km, so the light needs (2.318 seconds) to cut the distance from the sun's heart to surface its. Because energy transfer in the sun is a process that involves photons in a thermodynamic equilibrium with matter, the time range for energy transfer in the sun is longer and ranges between (10,000 to 170,000 years), and the time it takes the sun to return to a stable state is in the range of 30,000,000 (thirty A million years). If the rate of power generation in essence its has changed suddenly. This is a long time to reach the surface of the sun. What are the reasons for this long time?

The reason for this is that the constituent material of the sun is compressed in such a way that its molecules (corn components) are so close that they hinder the movement of energy photons from the hydrogen explosion that occurs in the heart of the sun, as the photon collides with the constituent atoms of the material of the sun and is greatly compressed, leading to a delay reaching it the surface of the sun approximately 170,000 years instead of 2.3 seconds.

So, from the above example, it becomes clear to us that the material in space is compressible due to pressure, heat, and mass. Where can this compression reach? What are the possible results of this compression?

6. Material and electrical charges [19][20][21]:-

It is known that the material originally consisted of three particles (the electron and its negative charge and its mass $9.10938356 \times 10^{-31}\text{kg}$), (the proton and its positive charge and its mass $1.6726219 \times 10^{-27}\text{kg}$), and (the neutron which is neutral and has a mass of $1.67 \times 10^{-27}\text{kg}$. We note that the mass of the neutron is slightly greater than the mass of the proton, which is close to the sum of the masses of the proton and the electron, because it results from the merging of a proton and electron due to pressure and heat.

A neutron is a subatomic particle that was initially thought to be an elementary particle (not made up of smaller particles). But it turned out later this belief was wrong, its mass being approximately equal to the mass of a proton, found in the nuclei atoms, and it can also be found outside it where it is called the free neutron. The free neutron is unstable and has an average lifespan of about 886 seconds (about 15 minutes). After this short period, it decays into a proton and an electron, meaning that it returns to its original components. And because neutrons are not charged, it makes them difficult to detect or control, which delays their discovery. It was discovered by physicist Nobel Prize winner James Chadwick.

Thus, the material in space is compressible due to pressure and heat, which leads to the convergence of its atomic components with each other (electrons and protons) until they merge with each other, turning into neutrons charge equal. This compression, the small size, and the merge of electrons with protons leads to the release of giant energy and a very slight loss in mass. Therefore, the smallness in size with the mass remaining leads to an increase in density and magnification of the amount of gravity that comes from the compact body when the greater the pressure and the less size, the gravity becomes a giant force that does not stand up to anything, even light and electromagnetic waves. If gravity will absorb everything close to the compact object.

Table. 1: changes of density for of a sphere of water with the sun size after its pressure and the radius is reduced.

Step of shrinking radius	Radius (km)	Volume= $\frac{3}{4} * r^3 * \pi$ (km ³)	Density ($\frac{\text{gram}}{\text{cm}^3}$)	Mass (tons)
1	695510	792722658707082130.063	1	792722658707082130063094802.2
2	695410	792380776338607199.284	1.0004	
3	694410	788967357441219747.584	1.0047	
4	684410	755370770290058314.017	1.0494	
5	584410	470288167577227469.035	1.6856	
6	384410	133842847172807203.473	5.9227	
7	84410	1417075001969322.541	559.4076	
8	4410	202081661745.369	3922783.7492	
9	410	162391280.485	4881559259.0233	
10	10	2356.194	336441945691150.9999	

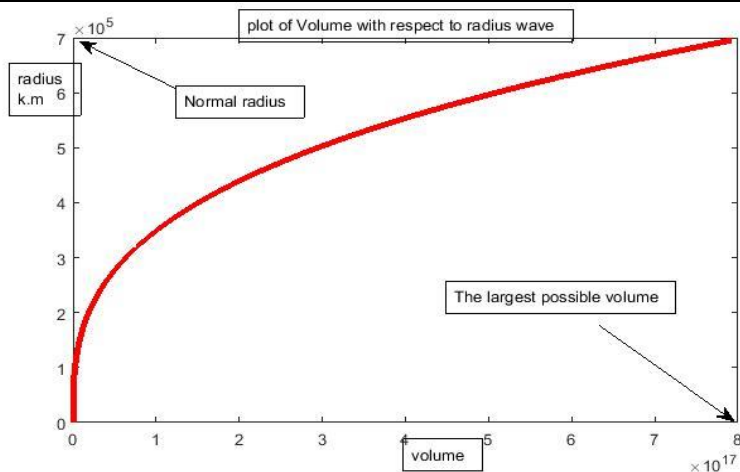


Figure. 1: shows the change in the volume of the sun based on the change in its radius

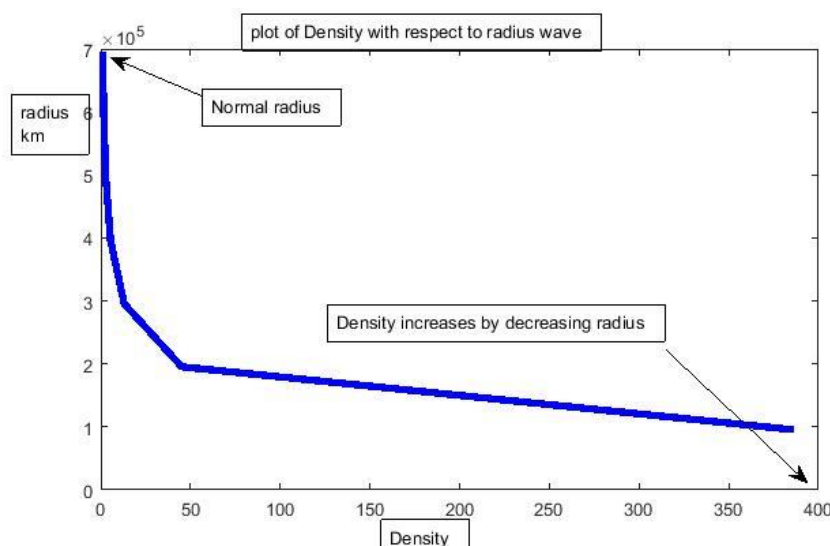


Figure. 2: shows the change in the density of water ball with sun size based on the change in its radius

We want to create a table that shows how the vector field changes (g) based on the radius and mass of the star:

The law is:

$$g = \frac{F}{m} = \frac{G \frac{m_1 * m_2}{r^2}}{m} = G \frac{m_2}{r^2}$$

F: the value of the force of attraction between the body and the star.

m: the mass of the attracted body, the same as m_1 .

G: General attraction constant = $6.67428 \times 10^{-11} \text{N} * \text{m}^2 * \text{kg}^{-2}$.

m_2 : Star mass.

r^2 : The radius of the star

g: acceleration.

Here we focus on the value of the force of attraction between the body and the star: -

$$F = G \frac{m_1 * M_2}{r^2}$$

F: The value of the force of attraction between a body and a star.

G: General attraction constant = $6.67428 \times 10^{-11} \text{N} * \text{m}^2 * \text{kg}^{-2}$.

M_2 : The mass of the star.

m_1 : Body mass.

r: The radius of the star.

We design a detailed table showing the value of the force of attraction between the body and the star. Where we will assume that the body mass (1 ton).

Table 2: The relationship of the force of attraction between a body and a water sphere with sun size, based on its radius and its stability.

Step of shrinkin g radius	Radius(r) (km)	The force of attraction between the body it mass of 1 ton and sun	Acceleration	Clarify symbols
			$g = G \frac{M_2}{r^2}$ $\frac{m}{\text{sec}^2}$	

$$F = G \frac{m_1 * M_2}{r^2} \left(\frac{\text{kg} * \text{m}}{\text{sec}^2} \right)$$

1	695510	109375200000	109375200	
2	695410	109406600000	109406600	
3	694410	109722000000	109722000	
4	684410	112951700000	112951700	$M_2=792722658707082130063094802.2$
5	584410	154913900000	154913900	tons
6	384410	358043900000	358043900	$m_1=1 \text{ ton}$
7	84410	7425708400000	7425708400	$G = 6.67428 \times 10^{-11} \text{ N} * \text{m}^2 * \text{kg}^{-2}$
8	4410	2720498653600000	2720498653600	Or $\text{m}^3 * \text{kg}^{-1} * \text{s}^{-2}$
9	410	314744377546400000	314744377546400	
10	10	5290852986555504000	5290852986555504	
		00	00	

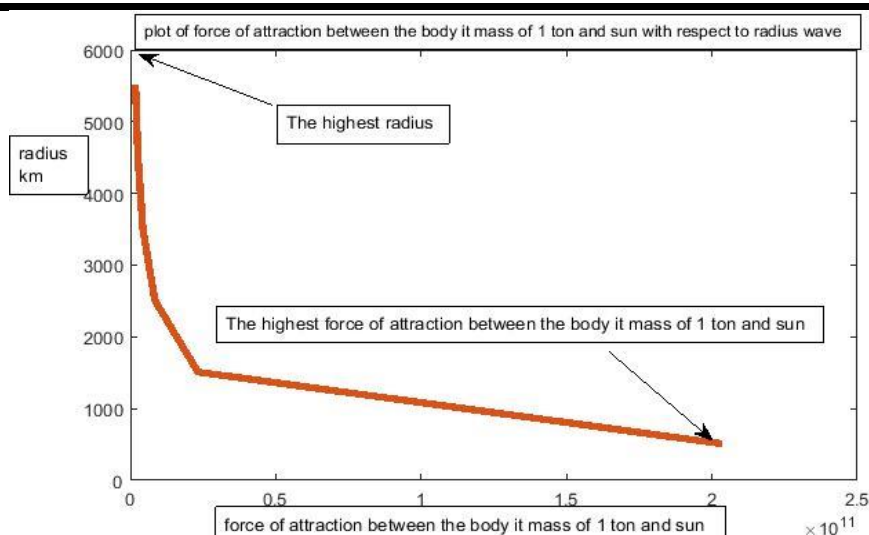


figure 3:- shows the change in the force of attraction between the body it mass of 1 ton and water bull of sun size based on the change in its radius.

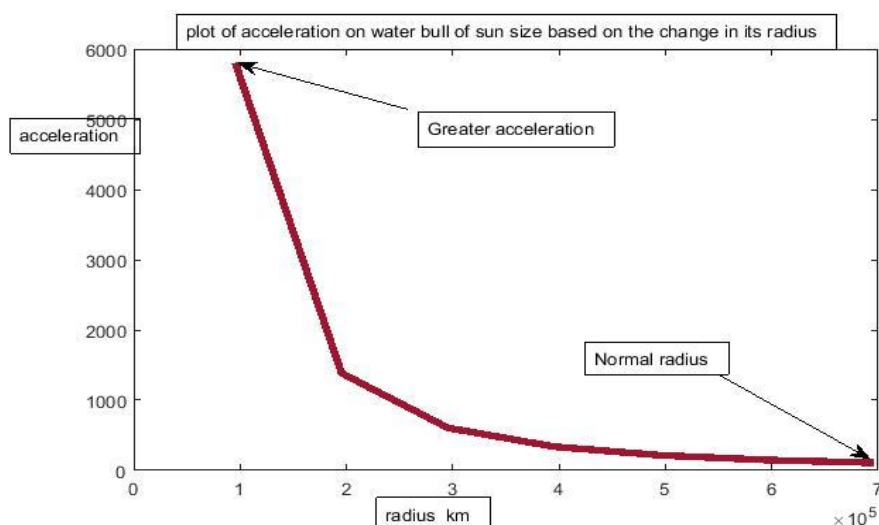


figure 4:- shows the change in the acceleration on water bull of sun size based on the change in its radius.

7. Islamic view of black holes theory:-

7.1 Introduction to explaining the relationship between science and religion

When talking about the relationship between science and religion, we must refer to the definition of what is mean by science, which is the subject of research and discord.

It can be said briefly that what is meant by science here is not absolute science, but only what is intended is experimental science subject to verification and the laws of other experience"[22]. Thus, science is allocates to materialism away from the unseen. This type of science is the West tried to make it independent of religion. Given what was transfer it the interpretations of natural phenomena by religions that are far from reality and far from what modern experimental science has reached, but more than that they tried to prove the myth of religions and thus their invalidity.

The reason for trying to keep science away from religion is what some have said by saying: "The conflict arose in Europe between science and religion, because the Church there embraced" scientific "ideas and certain theories, and said that they are sacred facts, because they are the word of sky! When the

theoretical and experimental science proved the corruption of these ideas and theories, it was not necessary for people to believe in science and to atone the Church, and to atone religion as depicted by the clergy. The intensity of this conflict and the desire to be free from the "sacrifice" the religion were exacerbated by that the Church in Europe imposed for itself divine authority and stipulated its application to the point of dictatorship. And it became an ugly ghoulish chasing people in their

vigilance and dreams, imposing on them royalties, and humiliating submission to the clergy, as it is imposed They have delusions and myths, in the name of God's word "[23].

Nevertheless, in reality, we find that the advocates of science have often confused what came in different beliefs and religions with what came in the Islamic religion. The Islamic religion, in its scientific method, departs a lot from superstitious interpretation, but rather vilifies those who depend it in one way or another.

The disclosure about scientific theories in the Islamic religion, or for transfer of methods of knowledge, multiple according to the subject. We have the sensory way that depends on the five senses, the mental way that relies on mental conclusions and the path of

revelation and is a way specific to the prophets and the righteous "[24].

The scientific facts do not intersect with the Islamic religion and do not separate from it. Some have mentioned in the relationship between science and religion: "The inability of science to solve all problems, and science no matter how advanced it is limited, there is nothing but religion that fills the void"[25].

The bottom line in this resource is that there is a strong relationship between the Islamic religion and modern science, as each of them has its scope and its extent to which depends, and there is no intersection between them, on the contrary, it benefits each other greatly in all areas of life.

7.2 Black holes in the Holy Quran:-

Multiplied opinions the interpreters in the truth of the scientific discoveries in the Holy Qur'an between rejection and acceptance, and each of them has his opinion and has providing evidence and denied. In them, who made every scientific discovery a basis in the Holy Qur'an justifying his saying with the Qur'an miracle. The fact that the Qur'an is an eternal miracle for all times and ages, then it must contain all scientific information discovered and unexplored, because it is from the position of the Creator and he knows what is in the universe and has knowledge of what was and what is detailed. While we find in the other direction who rejects the existence of these discoveries in the Qur'an in detail, although it is an indication of everything, it contains the basic principles of the universe and is not a detailed occur of each issue. Here we explain each saying:

The first saying: It is the statement that supports the existence of scientific discoveries in the Holy Qur'an, which is represented by following the method of interpretation with opinion, or what is called interpretation with reason, which is a form of interpretation in the light of modern science[26].

As for the second saying: It is the rejection of this approach and the attempt to withdraw or interpret the Qur'an in favor of science. This approach is represented by following the saying of the interpretation of the Qur'an by transfer[27].

Some contemporary commentators have postponed the reasons for this difference to differing views on the aggressor approach, external influences, and concepts of thought of the interpreter. Scholars have their own interpretation, as well as philosophers, mystics, and others, which led some of them to make the Qur'an a place to apply their opinions and theories. "The researchers differed in the interpretation of their paths after what they did. Among them is the dichotomy in the doctrines that did not work, and there is nothing left between them in the opinion and consideration except the word, there is no god but God and Muhammad, the Messenger of God (peace and blessings of God be upon him and his family) Therefore, they dispersed in the way of searching for the meanings of the verses, and everyone is concerned about Include what you have taken from doctrine and method[27].

Among the scientific issues and recent discoveries is the phenomenon of black holes, which is the subject of our research, where scientists today tell us about one of the scientific facts. Which are black holes that go and run and sweep everything that came across in their path, they create a huge force of gravity that works like a cosmic broom that cannot be seen, and when it moves She swallows everything she encounters on her way, and even light cannot escape.

In this case it can be said that it is characterized by bodies being unseen, and gravity extremely, as it is like a vacuum cleaner, and it is not fixed in one place but rather it moves and moves constantly, and it is surprising that this meaning was mentioned in a book more than 1400 years ago, and it has shown The Qur'an is all that scholars have said today about black holes, in words where God Almighty said: (فَلَا أُقْسِمُ) بِالْخُنَّسِ * الْجَوَّارِ الْكُنَّسِ [Al-Takwir: 15-16]. In this text,

we are faced with three facts about creatures that God has sworn by:

1. **الْخُنُس**: that is, which disappears and is never seen. Satan was called **الْخُنُس** because the boys of Adam do not see him. This is what scientists express with the word invisible.

2. **الْجَوَار**: that is, running and moving at great speeds. This is what scientists express by the word move.

3. **الْكُنُس**: that is, sweeping and swallowing everything that came across it. This is what scientists express with the word vacuum cleaner, that is, a sweeper ^[28].

By reviewing the interpretations of the Noble Qur'an, we find this meaning constant among interpretations. For example, we review:

1. In explaining the explanation, he mentioned the meaning **الخنس**, and he said: "And **(الخنس)** plural **خانس**, who is absent from the ascension, collected the brutality in the sweeper if he was absent from it after the rise. It was narrated from the Commander of the Faithful, peace be upon him: that the **الخنس** are stars because they are absent during the day and look at night. In addition, his saying **(الجوار الكنس)** means the stars that run in its path and then absent in its endowments for what the Almighty arranged in it and his saying **(الكنس)** is called **(الجوار)** and it is the collection of **(كانس)** which is unseen in the same **الكناس**." ^[29]

2. In the interpretation of Libra, he mentioned the meaning **الخنس** by saying: "God Almighty said: **الخنس**: "فلا أقسم بالخنس الجوار الكنس". The collection of **خانس** is like a request to collect a student, and **الخنوس** contract and delay and latency, and the **الجواري** gathering is **جارية**, and the fast running is borrowed from the run of water, And the **الكنس** gathering is **كانس** and **الكنوس** entering the beast like the antelope and the bird as a sweeper, that is, his house which he took for himself and settling in it. In addition, he followed his saying **الخنس** "فلا أقسم بالخنس":

etc. by saying: "و الليل إذا عسعس و الصبح إذا" **الخنس** explained **الخنس** is stars All or some of them, but the characteristics of movement, some of them are more appropriate and clearer, according to the aforementioned characteristics that are divided by them ¹⁰: **الخنوس و الجري و الكنوس**.

3. In what pointed the optimization owner to a similar meaning, he says: "And there is another possibility: **«الكنس»**: the disappearance of the planets in the sunlight. That is, when it revolves around the sun, it sometimes reaches a point adjacent to the sun, and its light completely disappears from sight. Scholars express it with "combustion." And **«الكنس»**: in the eyes of some others: a reference to the entry of the planets into the celestial zodiac, and that entry is similar to the disappearance of deer in their safe places[30].

From the above we come up to the fact that there are such references to scientific discoveries in the Holy Quran. Black holes are one of these scientific discoveries that have roots in the Quranic text, as was indicated in more than one research[31][32][33].

8. Conclusions;-Steps to generate a black hole:

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The celestial bodies most vulnerable to turning into black holes are the stars due to their giant volumes and the enormous pressure force that is inside them because of their large mass and below we explain briefly the stages of black hole generation and how they grow.

1. From the star's core and due to the enormous pressure, the electrons and protons of the atoms merge and transform into equal shipment neutron grouping, and this neutron cluster is smaller than the original size of the atoms whose electrons and protons combined with the mass remaining the same.

As an equation that shows the ratio of the compressed volume to the total size, and by returning to the virtual ball that we mentioned in the introduction above with a radius of 2 centimeters, which represents the material of the globe with a radius of 6371 kilometers after its pressure the first pressure, the equation will be as follows: -

The ratio of the new volume to

the original size

$$= \frac{\text{The volume of the neutron block}}{\text{The original volume}} \times 100$$

$$= \frac{\frac{3}{4} * r^3 * \pi_{(\text{After pressing})}}{\frac{3}{4} * r^3 * \pi_{(\text{Before pressing})}} \times 100$$

$$= \frac{r^3_{(\text{After pressing})}}{r^3_{(\text{Before pressing})}} \times 100$$

$$\frac{(2_{\text{cm}})^3}{\left(6371_{\text{km}} * 1000 \frac{\text{m}}{\text{km}} * 100 \frac{\text{cm}}{\text{m}}\right)^3} * 100$$

$$= 3.093 \times 10^{-24}\%$$

The last digit $3.093 \times 10^{-24}\%$ represents the percentage of the Earth's compressed volume to a neutron mass in relation to the original size before compression.

To find out how much the original size of the globe is twice its size after being compressed into a neutron cluster: -

What is equal to the original volume times

the size of the neutron clump?

$$= \frac{\text{The original volume}}{\text{The volume of the neutron block}}$$

$$= \frac{\frac{3}{4} * r^3 * \pi_{(\text{Before pressing})}}{\frac{3}{4} * r^3 * \pi_{(\text{After pressing})}}$$

$$= \frac{r^3_{(\text{Before pressing})}}{r^3_{(\text{After pressing})}}$$

$$= \frac{\left(6371_{\text{km}} * 1000 \frac{\text{m}}{\text{km}} * 100 \frac{\text{cm}}{\text{m}}\right)^3}{(2_{\text{cm}})^3}$$

$$= 323245753513750000000000000000$$

Then the original size of the earth is equal to (323245753513750000000000000000) twice the new size of the neutron mass.

2. because create the neutron neonate is of high mass and is small in size, it will generate a giant attraction force that attracts the neighboring star components for him to merge with him and reinforces the neutron assembly more and increases the star mass.
3. We call on the neutron assembly, which may reach size it to size of a giant star, the name (black hole egg).
4. 4. Because of this giant pressure on the neutron assembly, the voids that are within the formation of the neutron itself shrink and fade, leading to more and more volume shrinkage as the mass remains.
5. Operations (2) and (3) continue until the star's components withdraw completely to the compact neutron core, whose neutrons' voids shrink until infinity, with the mass remaining the same.
6. Thus, he have born a black hole with a giant mass and a size approaching zero and with a terrible attraction that attracts all the bodies that approach the black hole, that is, when you enter the area of the event horizon.
7. The black hole grows and increases its mass and its attractiveness increases with time due to its ingestion of all bodies, planets, stars, solar groups, and even galaxies. This process maybe it will lead yet, after billions of years, transform the space into a giant black hole.

8. MK- theory for create the universe:-From what has been missed, we can conclude the following result in the creation and formation of the universe, a theory that is not peremptory but rather subject to discussion, correction, and development:

- The universe began with create mass. The first thing that created was a very giant mass represented by a giant black hole.
- Produced from this mass a giant neutron star at the universe level.
- This neutron star exploded a giant explosion, and free neutrons in the universe spreaded.
- During 886 seconds of neutron release, due to the giant explosion, some of them split into electrons and protons.
- Over billions of years, protons and electrons gathered, forming hydrogen and helium in the form of cosmic dust.
- Collected cosmic dust and formatted the stars.
- Because of the constant pressure and heat of billions of years, some hydrogen and helium atoms merged with each other, and electrons and protons combined to form neutrons again, forming new atoms with different atomic and mass numbers, which generated the various elements within the constituents stars.
- Some stars were exposed to other giant explosions due to the activity of the core through interactions and hydrogen explosions. These giant explosions led to the fragmentation of some constituents of stars into molten parts, which were settled in certain orbits that were determined by the will of God Almighty, the planets were formed. Including what escaped in space and formed meteors, meteors and comets.
- Also, due to the giant pressure in the centers of the stars, returned the electrons and protons merging into the neutron component in a neutron block in the star's core.
- The growth of the neutron cluster continues over billions of years, turning the star completely into a neutron star by attracting and absorbing everything that comes close to it, and this neutron star we called the black hole egg.
- Because of the enormous pressure in the core of the neutron star, the voids that are in the formation of the neutron diminish until the components of the neutron fade and converge with each other, which in turn also vanishes their voids until the size approaches zero, with the density increasing to stabilize the mass.
- Thus, the black hole in the core of the neutron star, which in turn absorbs the rest of the components of the neutron star, eventually forms a giant black hole that attracts everything that passes near it and enters the area (event horizon).
- In the same way, all stars in a single galaxy transform to black holes.
- Black holes in one galaxy interact with each other, turning the galaxy into a giant black hole at the level of the galaxy.
- The giant black holes of each galaxy interact with each other to transform the nebula into a giant black hole at the level of the nebula.
- Thus, this situation continues indefinitely within the knowledge of God Almighty.
- This is what belongs to the universe in which we live and which does not mean anything mentioned about the greatness of God Almighty and his ability that is not

bound by a universe or space and we do not know how many universes and how many spaces that created God Almighty.

- According to what God Almighty says in the Noble Qur'an / Surat Al-Dhariyat / verse 47[2]:-

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
(وَالسَّمَاءَ بَنَيْنَاهَا بِأَيْدٍ وَإِنَّا لَمُوسِعُونَ)
صدق الله العلي العظيم

This verse means that God is the Creator of the heavens and He is able to do that. Then the God Almighty is able to do that.

- The whole universe (big and small) is characterized by one repetitive image and in it the secret of God in creation, as it is shown below:
- If you looked at the nebula from afar, you would see it as a center and white points revolving around it, and these points are galaxies.
- The one galaxy is also a center and white points revolving around it. These points are solar or star groups.
- The solar groups, or the astral, is also the center of the (star) and the planets revolving around it.
- Planets and even the sun. The components of their elements are a nucleus and electrons revolving around it.
- The components of an atom, including an electron, neutron, and proton, are also a nucleus and bodies that revolve around it.
- If we went down to the components of an electron, proton or neutron, we would also see it as a nucleus and objects that revolve around it.
- Thus the image is repeated in both directions (small and large).

The above theory represents an initial vision of the creation of the universe, and remain the irrefutable truth a secret from secrets of God Almighty.

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