

As' Salamu Alaikum,

SuhbanAllah, Allah has made us with eyes, ears, hands and feet and intelligence that lets us accomplish great things in life. Man has built great buildings, aircrafts, space crafts and all sorts of amazing things. We look below us, we see tiny specs of dust, small organisms and insects that look tiny compared to us. Plants, animals that we see around us make us think of the things we created as “big” and “amazing”. We begin to imagine ourselves as “big”, “intelligent” and “mighty”.



Then we look around us and we see the vast lands, huge mountains and oceans. We get the feeling of how big the earth is. When we stand at the foot of a giant mountain, or at the beach of an open sea, we are humbled by its greatness.



Somehow we are still able to relate to the huge oceans and mountains and earth in comparison to ourselves. Then we look up to the skies. We see planets and stars. So numerous and shining

And we ask

Is Earth the biggest thing in existence?

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Certainly not

Allah Almighty created the planet Jupiter, the larger than earth by 1300 times!!!

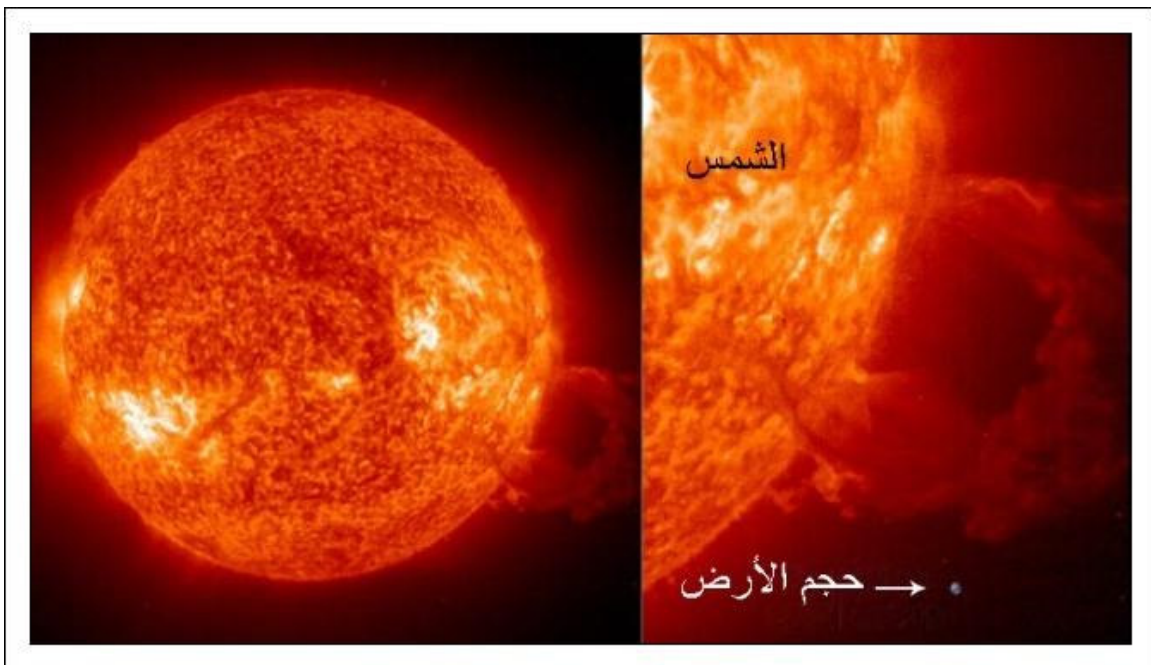


Pic 1: A real scale image illustrates the magnitude of the giant planet Jupiter with the Earth.... 1300 times bigger!

Is there something bigger than Jupiter?

Certainly there is.....

The sun is much bigger than Jupiter. Sun has a diameter of about 1,392,000 kilometers (865,000 mi). Look at the picture below and you will realize how much bigger the sun is as compared to the earth.



Pic 2: A real scale composite picture of the earth and the sun.

But is there something even bigger than the sun?

Certainly there is....!

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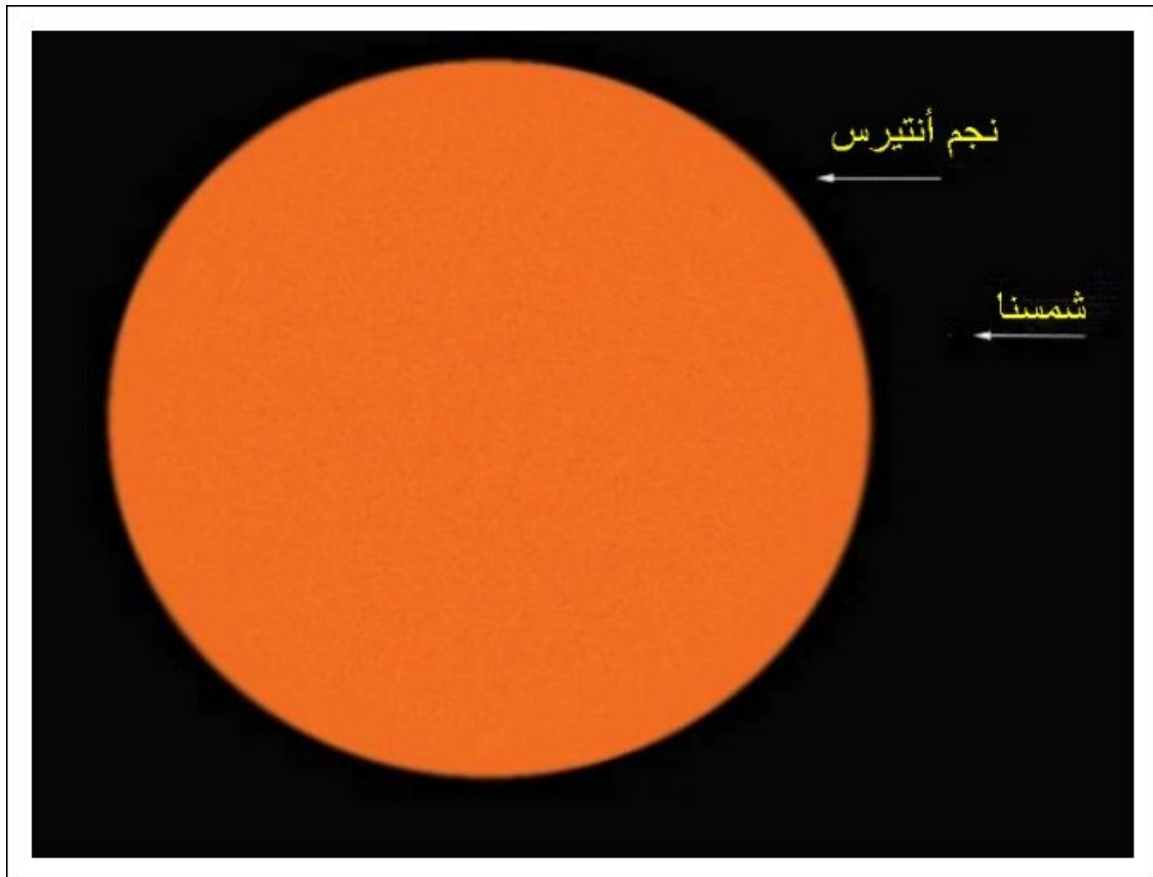
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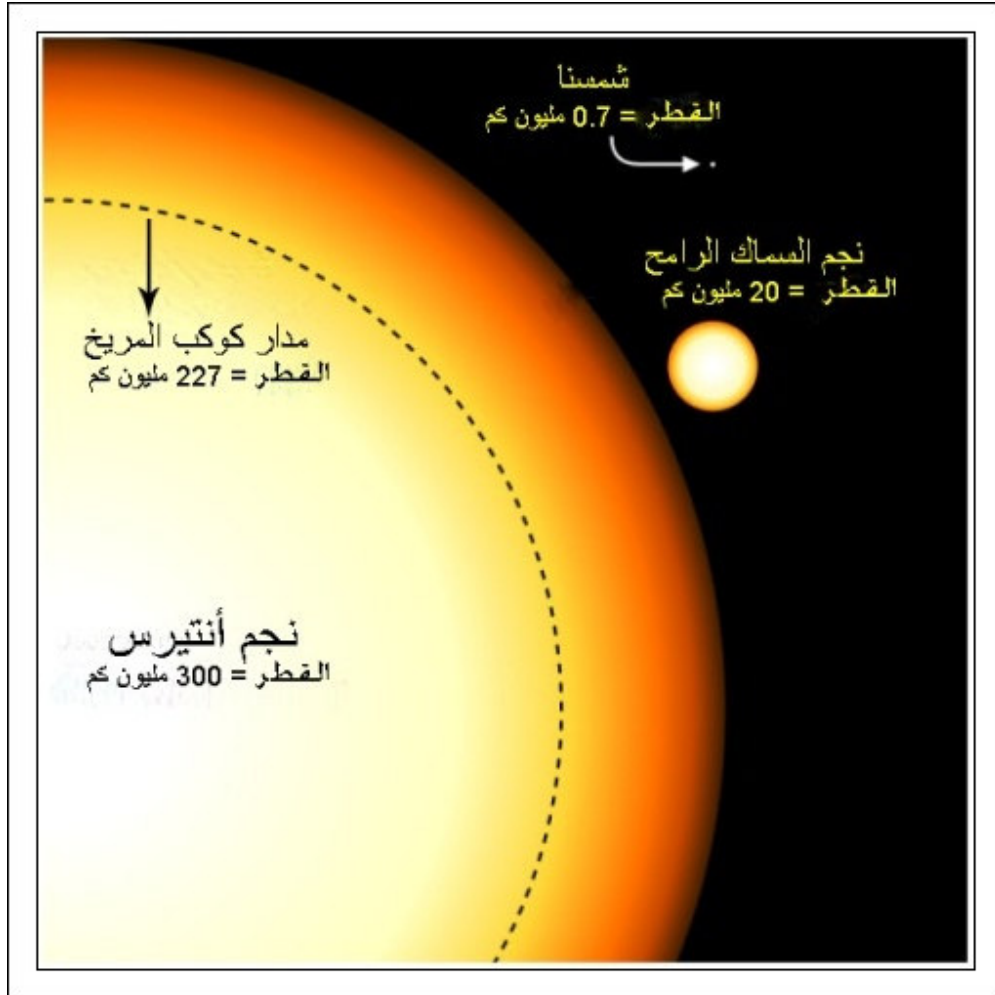
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The star Antares dwarfs our sun



Pic 3: A real scale image illustrates the magnitude of our sun (a point hardly seen on the picture) compared to star Antares (Heart of the Scorpion).



Pic 4: Antares compared to Arctus and the Sun

Image above compares, on a real scale, our sun and the star Arcturus with the giant Antares. The dotted line represents the entire orbit of Mars (227 Million Km) while the Antares is 300 Million Km! The smaller star to the side is Arcturus. It is a mere 20 Million Kilometers. And our bright sun is the small dot on the top. If Antares were placed in the center of our solar system, its outer surface would lie between the orbits of Mars and Jupiter.

So are there more stars like Antares, or is it the only one?

There certainly are many.....



Pic 5: A true picture is a small part of the sky shows stars are innumerable - even giant stars like the Antares.

إِنَّا زَيَّيْنَا السَّمَاءَ الدُّنْيَا بِزِينَةِ الْكَوَاكِبِ (٦)

[سُورَةُ الصَّافَّاتِ]

Verily! We have adorned the near heaven with the stars (for beauty). (6)

سبحان الله Praise be to Allah, A sky filled with stars like Antares. But is there something bigger than Antares?

There certainly is....!

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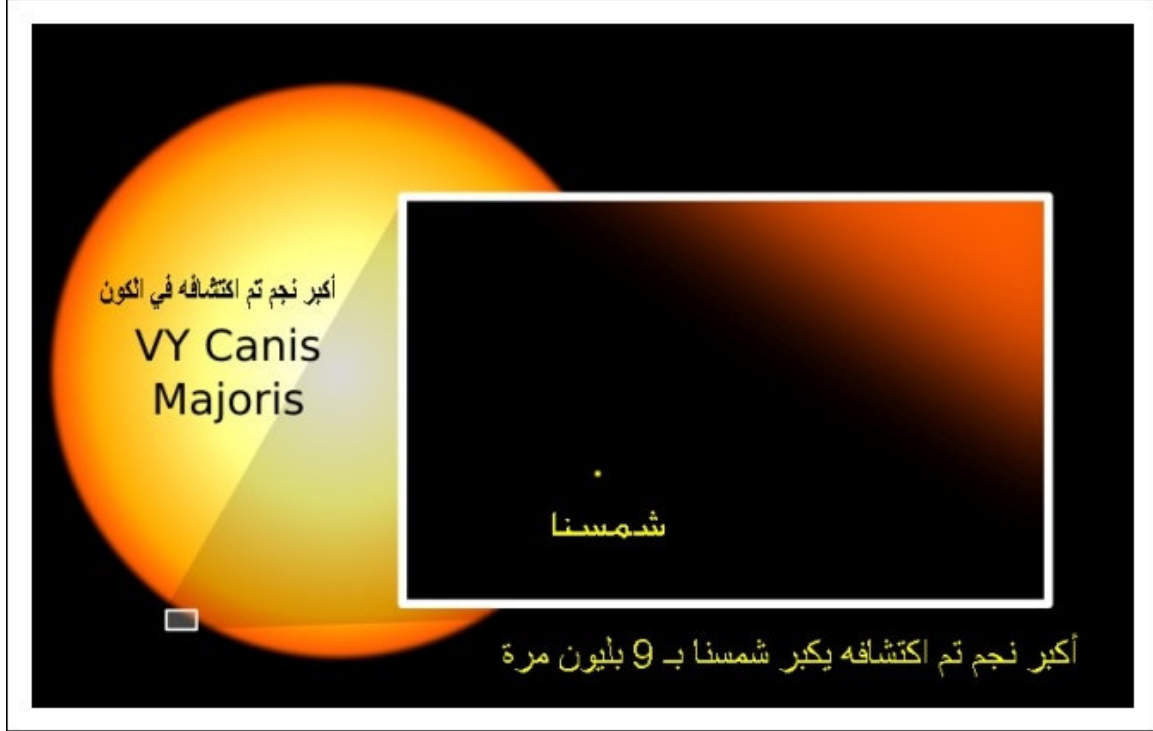
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Pic 6: The VY Canis Majoris

Comparison on a real scale of our Sun and the small sliver on the side of largest star discovered in the universe! It would take over 7,000,000,000,000,000 (7 quadrillion) Earths to fill the volume of VY Canis Majoris!!!

سبحان الله Praise be to Allah, My mind is truly humbled and numbed by this comparison. I cannot even imagine its vastness. Is there something bigger than VY Canis Majoris?

Certainly there is....!

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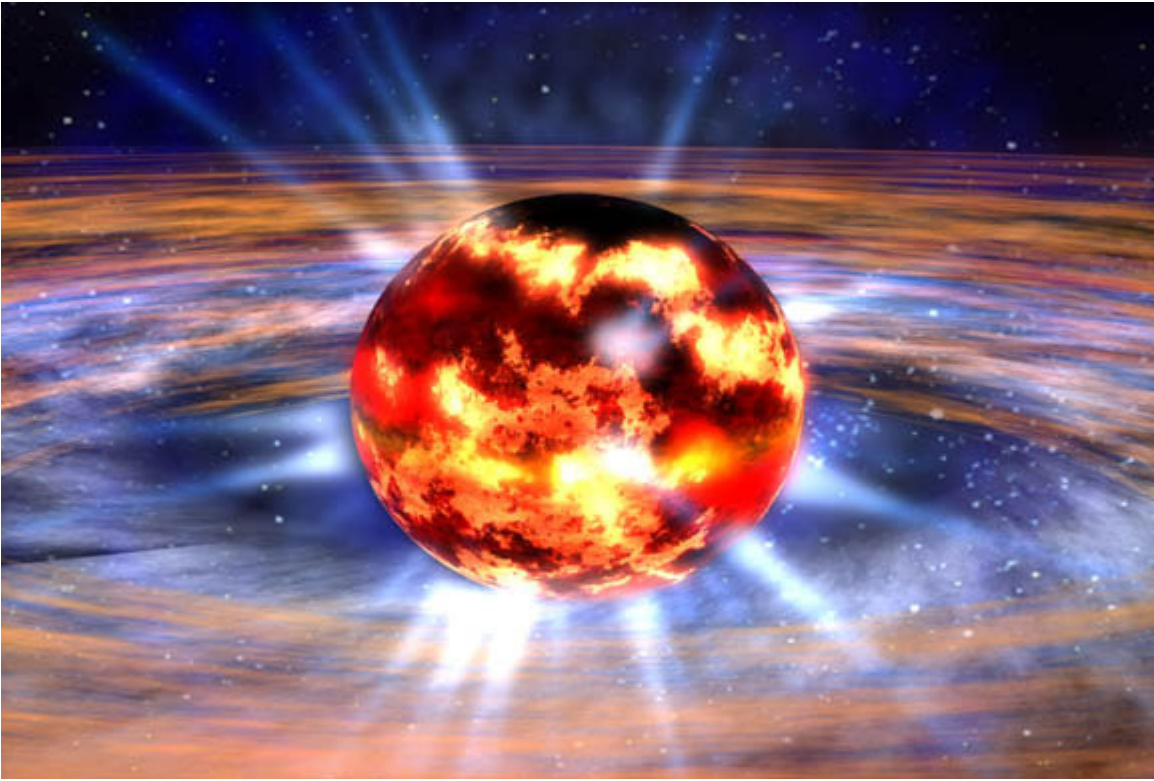
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الطارق



Pic 7: Pulsar

In recent times scientists have discovered the existence of pulsars. Pulsars are highly magnetized, rotating neutron stars that emit beams of radiation. Their radiation can only be observed when the beam of emission is pointing straight towards the Earth. This lighthouse effect causes an observed pulsed nature that gives pulsars their name. The first pulsar was observed on November 28, 1967.

Pulsars make sounds like a hammer or knock, and the radiations they emit can penetrate and puncture anything including the earth. The link below is to sounds of pulsars from Cornell University's database. From this database

please listen to: “B1933+16 One of the brightest known pulsars--every pulse is audible”; And also listen to the third file in the set: “B2020+28 A bright pulsar, most individual pulses are audible”. Notice how the sounds seem like a knocking in the stillness of the night – here is the link:

http://www.astro.cornell.edu/~deneva/psr_sounds/pulsars_sounds.htm

This is what summed up for us in the verse of the Koran wonderfully, Allah gives a description of these stars through two words:

والسَّمَاءِ وَالطَّارِقِ * وَمَا أَدْرَاكَ مَا الطَّارِقِ * النُّجْمِ الثَّاقِبِ
[الطارق: 3-1]

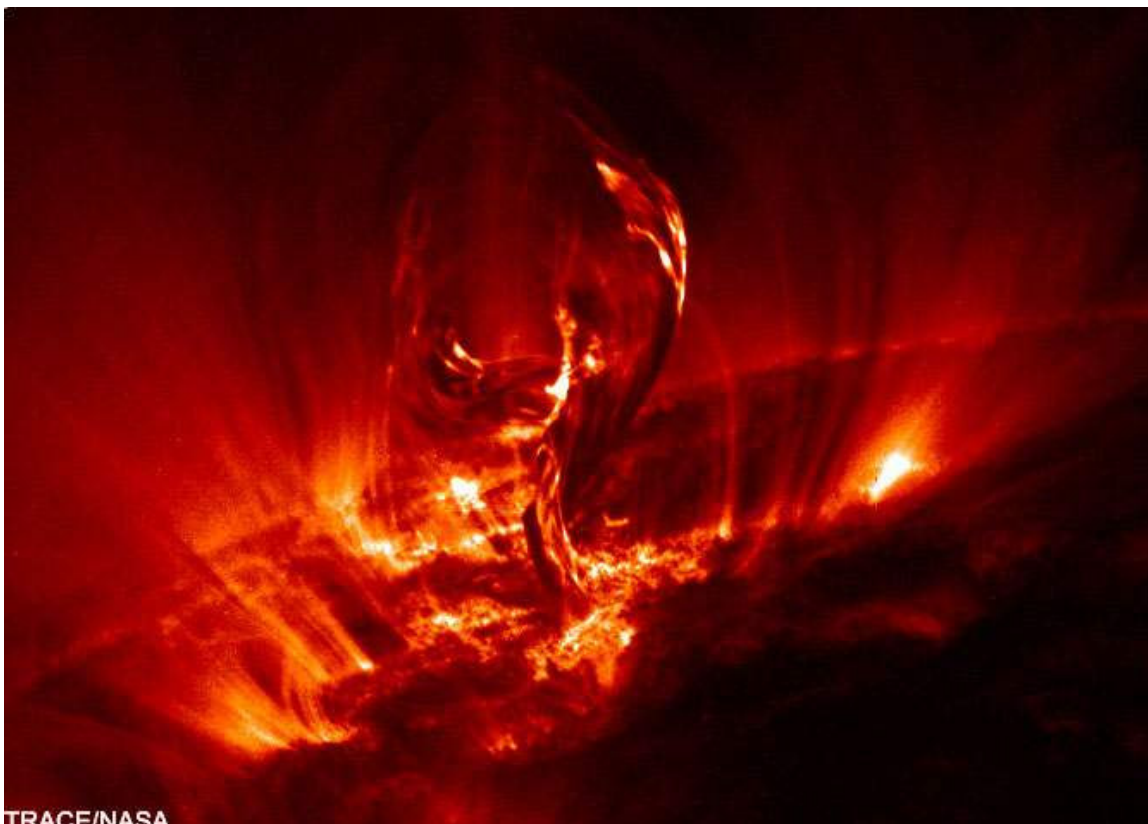
By the heavens, and At-Târiq (one who knocks at night); And what will make you to know what At-Târiq is? (It is) the star of piercing (brightness);

The word “Tariq” accurately reflect the action or audio waves of these stars – knocking sounds, and the word “Thaqib” accurately reflect the outputs of these stars – penetrating waves,

Is Pulsar the only thing that hugely endangers us with radiation or is there something that endangers us also?

There certainly is and it is much nearer to us than the
pulsars

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وجعلنا سراجا وهّاجا



Pic 8: The burning sun

At the time of the descent of the Koran, no one on earth knows the true reality of the sun. But Allah, who created the sun, described it precisely saying:

[وجعلنا سراجا وهّاجا] (النبا: 13)

And We have made (therein) a shining lamp (sun).

This verse emphasizes that the sun is a lamp and lamp is a machine for burning fuel and the generation of light and heat. This is what the sun does; it burns fuel and generates light, heat and radiation. We benefit a lot from the light and heat of the sun. But just as one must be shielded safely from a lamp's power to burn, we must be safely shielded from the Sun as well. Thus it is scientifically very accurate to label the sun as a lamp.

سبحان الله Praise be to Allah, what good information. My mind keeps going back to the huge pulsars. Is there something more in the universe of even more significance?

Certainly there is!.....

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الكنس



Pic 9: The Black hole

Scientists have recently discovered the existence of black holes they called Stars, and is characterized by three properties: 1 – it cannot be seen, 2 - are at high speeds, 3 - to attract everything as if the sweep everything from the sky. It works like a broom (مكنسة) of the Universe, gathering all the celestial debris.

These are the three qualities that are told to us in the Quran
in three words:

(فلا أقسم بالخنس * الجوار الكنس) [التكوير: 15-16].

*So verily, I swear by the (planets) receded. And by the planets that
move swiftly and hide*

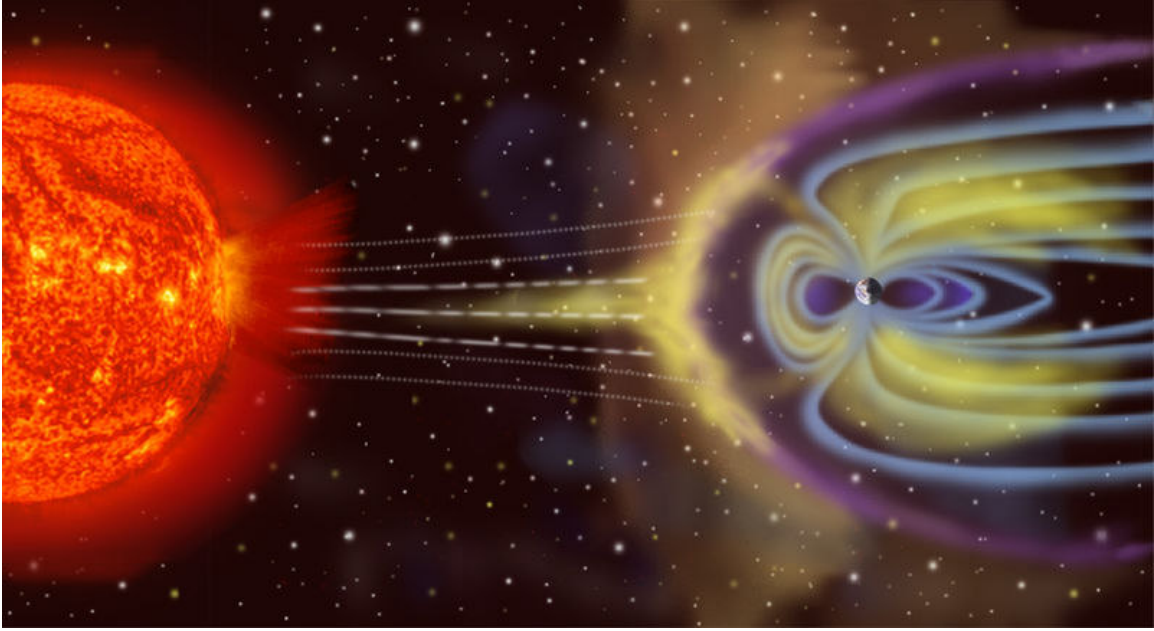
First word “AlKhunnas” (الخنس) means any that cannot be
seen; Second “AlJawar” (الجوار) i.e that which moves
swiftly and Third “AlKunnas” (الكنس) i.e that which
sweeps and gathers everything to itself.

This verse of the Koran are a frontrunner in talking about
black holes before they were even discovered by the
scientists.

سبحان الله Praise be to Allah, This is amazing. Tell me, If
the sun can burn us and pulsars emit such harmful
radiations and the blackholes sweep everything up, how
safe are we?

Allah took care of that for us

السقف المحفوظ (The Protected Ceiling)



Pic 10: Magnetic shield around the earth

See in this picture the planet on the right is Earth. It is surrounded by a magnetic field is very strong and this area as we see it repels particles emitted from the Sun called the solar wind, deadly, and without the presence of this field vanished life on Earth.

So the Almighty said:

(وجعلنا السَّماءَ سقفا محفوظا وهم عن آياتها معرضون)
[الأنبياء: 32]

And We have made the heaven a roof, safe and well guarded. Yet they turn away from its signs.

This magnetic field also manifests it self in other ways.

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فلا اقسم بالشفق



Pic 11: The Aurora.

This is a picture of the polar aurora, which appears in the

Arctic region. Generally speaking, this phenomenon is the most amazing natural phenomena. It took scientists many years to learn their secrets, and finally turned out to be formed because of the Earth's magnetic field.

This aurora is the Earth's defense mechanism. The deadly solar wind, instead of "burning us", is itself dissipated, deflected and "burned" away from us by this magnetic field.

See this magnificent view, Is it not worthy of this great phenomenon that is sworn by Allah? Allah says:

(فلا أقسم بالشفق * والليل وما وسق * والقمر إذا اتسق *
لتركبن طبقا عن طبق * فما لهم لا يؤمنون * وإذا قرئ عليهم
القرآن لا يسجدون) [الانشقاق: 16 - 21

So I swear by the afterglow of sunset; (16) And by the night and whatever it gathers in its darkness; (17) And by the moon when it is at the full, (18) You shall certainly travel from stage to stage (in this life and in the Hereafter). (19) What is the matter with them, that they believe not? (20) And when the Qur'ân is recited to them, they fall not prostrate, (21) {Note: Please do prostrate when you read this verse }

الحمد لله Praise be to Allah , He has made for us a protection.

My mind keeps going back to the great celestial bodies,
Antares which is 300 Million Kilometers in size, and VY
Canis Majoris which is as big as 7 quadrillion Earths And
pulsars like AtTariq and AlKunnas.

Tell me something more, Is there something bigger than it?

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There certainly is something bigger, it is called a Galaxy. The Galaxies are a system of stars and planets. They are huge, planets and stars Antares, VY Canis Majoris and Pulsars are just like small specs of dust in it!

المجرة



Pic 12: A Galaxy

Typical galaxies range from dwarfs with as few as ten million stars up to giant galaxies with one trillion stars, all orbiting the galaxy's center of mass. Galaxies can also

contain many multiple star systems, star clusters, and various interstellar clouds. Most galaxies are 1,000 to 100,000 parsecs in diameter. The parsec measurement unit is used in astronomy. The parsec is a unit of length, equal to just under 31 trillion kilometers (about 19 trillion miles), or about 3.26 light-years. Although it is not yet well understood, “dark matter” appears to account for around 90% of the mass of most galaxies. Observational data suggests that super-massive black holes (الكنس) may exist at the center of many, if not all, galaxies.

سبحان الله Praise be to Allah, what a huge size. Is there something bigger than it?

There certainly is!

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The Galactic Filaments and Sheets

نسيج من المجرات



كل نقطة في هذه الصورة هي عبارة عن مجرة تحوي أكثر من مئة بليون نجم

عزيزي القارئ! هذه ليست صورة نسيج، بل هي مجرات ونجوم تتوضع على خيوط محكمة، هذا هو شكل الكون كما رآه العلماء في أضخم عملية حاسوبية في القرن ٢١

والعجيب أن القرآن أشار إلى أن السماء ذات نسيج (حُبْك) يقول تعالى

(وَالسَّمَاءِ ذَاتِ الْحُبُكِ)

Pic 13: Filaments of Galaxies.

The Universe has countless numbers of Galaxies. Each of the dots in the above picture is a galaxy. There are probably more than 100 billion galaxies in the observable

universe. Perhaps many Trillions more exist in the universe we have not yet observed! Galaxies are usually separated by distances on the order of millions of parsecs (or megaparsecs). Intergalactic space (the space between galaxies) is filled with a tenuous gas of an average density less than one atom per cubic meter.

The majority of galaxies are organized into a hierarchy of associations called clusters, which, in turn, can form larger groups called superclusters. These larger structures are generally arranged into sheets and filaments, which surround immense voids in the universe.

Allah Subhanahu Wa Taala says:

وَالسَّمَاءِ ذَاتِ الْحُبُكِ

(سُورَةُ الذَّارِيَّاتِ)

By the heaven full of Hubuk (paths, fibers, weave) (7)

The Great Wall (also called Coma Wall), is one of largest known super-structures in the Universe. It is a filament or a filament wall of galaxies which measure over 500 million light-years long, 300 million light-years wide and 15 million light-years thick. It was discovered in 1989. It is not known how much farther the wall extends due to the plane of the Milky Way galaxy in which Earth is located. The gas and dust from the Milky Way obscures the view of

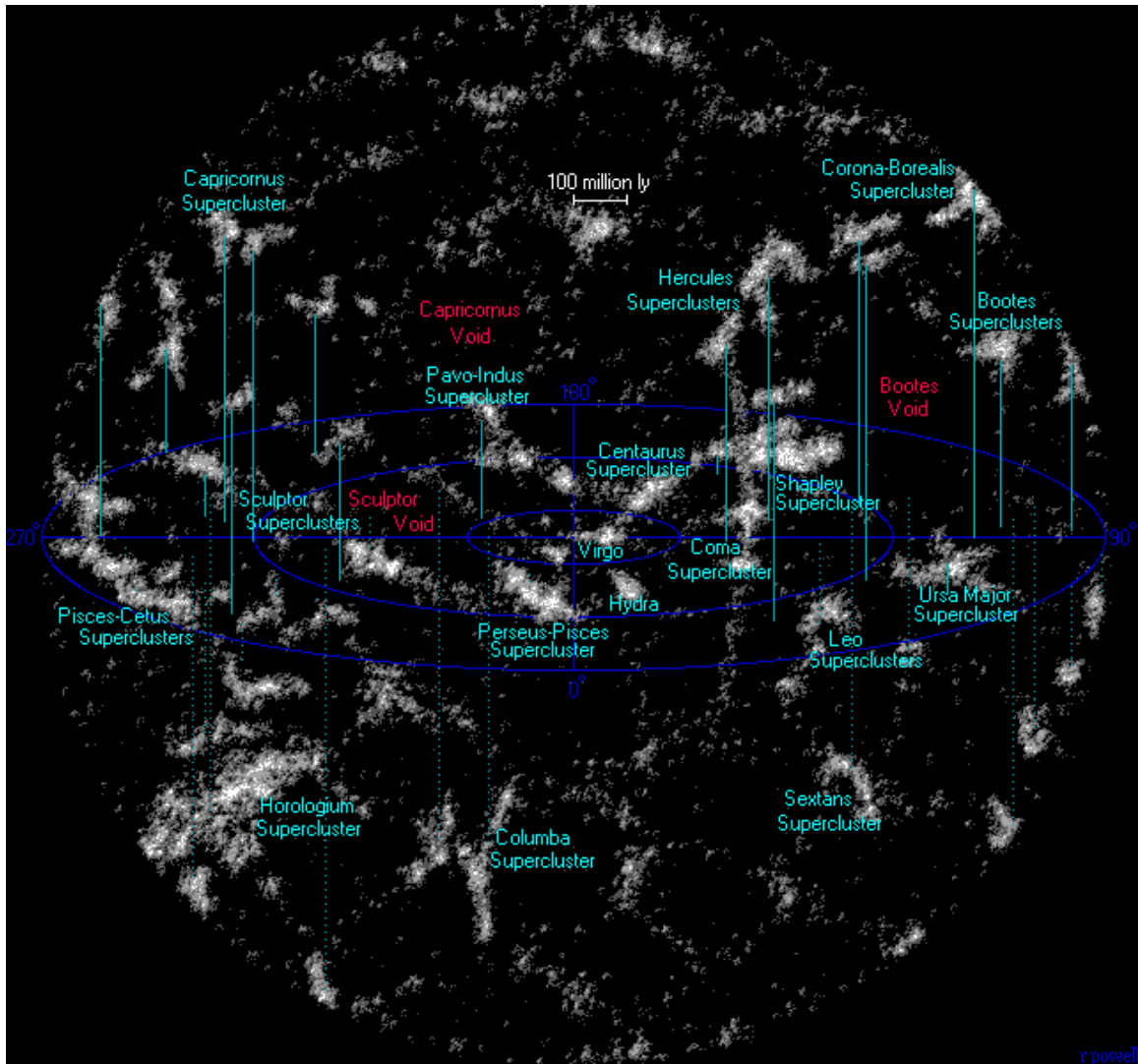
astronomers and have so far made it impossible to determine if the wall ends or continues on further than they can currently observe! These sheets and filaments weave together like a textile cloth. In this big weave the giant galaxies are just like small glittering specs!

And there is some thing bigger than it!

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The Building of the Universe.....

At first, scientists thought that the universe is mostly vacuum, and they gave it the name “space”. In the late twentieth century, scientists have discovered something new. They found that the universe is certainly like a building made of small blocks. The conventional model for galaxy evolution predicts that small galaxies in the early Universe formed into the massive galaxies of today by coalescing into clusters, superclusters, filaments and sheets. These are the “small” lego-like building blocks that make the structure or building of the universe.



Pic 13: The structure of the Universe. The small line on the top shows a scale of 100 Million Light Years!

Lego-like “building blocks” initially detected by Hubble likely contributed to the visual construction of the Universe as we know it. NASA’s Spitzer Space Telescope observations confirmed that these galaxies are some of the smallest blocks of the Universe which is made like a building. Look closely at the picture above and you may see some patterns and architecture to it.



Figure 1. A schematic diagram to indicate the approximate distribution of galaxies in the Supergalactic plane (for $cz < 7500 \text{ km s}^{-1}$). The upper half of the diagram is the Northern Galactic Hemisphere, the lower half the Southern Galactic Hemisphere. These two portions are divided by the obscuring band of the Milky Way. See text for discussion.

This structure has a geometry and architecture of its own. There are “voids”, “walls”, cluster areas or “rooms”, vast hallways and “passages”.

Current interpretations of astronomical observations indicate that the age of the Universe is 13.73 billion years, and that the diameter of the observable universe is at least 93 billion light years. This is just the part of the universe that we can observe. Only Allah knows what else there is in the universe and how big it really is. There is much work that still need to be done in cosmology to even start to appreciate the large-scale structure of the universe.

This is truly mind boggling....Something that that the mind finds difficult to imagine. Is than some thing bigger than this? Something that will make it all look like a spec of dust?

Certainly there is!!!
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There is something bigger so big that
it will make all of the above like a
spec of dust.



النار

AnNaar - The Hellfire

The stones of the universe and human beings and jinn will be but only the fuel that burns in it.

Allah Subhanahu Wa Taala says:

يَأْتِيهَا الَّذِينَ ءَامَنُوا قَوًّا أَنفُسِكُمْ وَأَهْلِيكُمْ نَارًا وَقُودُهَا
النَّاسُ وَالْحِجَارَةُ عَلَيْهَا مَلَائِكَةٌ غِلَاظٌ شَدَادٌ لَا يَعصُونَ
اللَّهَ مَا أَمَرَهُمْ وَيَفْعَلُونَ مَا يُؤْمَرُونَ (٦)

O you who believe! Ward off from yourselves and your families against a Fire (Hell) whose fuel is men and stones, over which are (appointed) angels stern (and) severe, who disobey not, (from executing) the Commands they receive from Allâh, but do that which they are commanded.

And there is something bigger so big that it will make it
like a spec of dust.



الجنة

AlJannah - The Heaven

The Jannah is more gracious and spacious, for indeed
The Mercy and Forgiveness of our Rabb
has overcome His Anger. He has prepared for the believers

وسارعوا إلى مغفرة من ربكم وجنة عرضها
السموات والأرض أعدت للمتقين (١٣٣)
(آل عمران)

*And vie one with another for forgiveness from your Lord,
and for a paradise as wide as are the heavens and the
earth, prepared for Al-Muttaqûn (the pious);*

And yes there is some thing bigger
than AlJannah and AnNaar. Some
thing so big that it that will make
them look small !



العرش الرحمان

AlArsh ArRahman The Throne of ArRahman

It is greater, for indeed it encompasses over all creations.
Allah Subhanahu Wa Taala says about it:

وسع كرسيه السموات والأرض

His Kursî (foot-stool) extends over the heavens and the earth

Its beauty and magnificence cannot be described. We can only say that it is befitting to be called His Throne.
Below it is nothing but the entirety of His creations and above it is none other than

الله سبحانه و تعالى

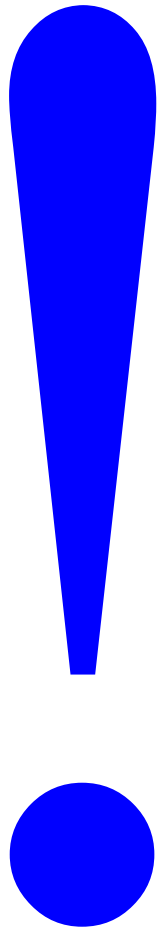
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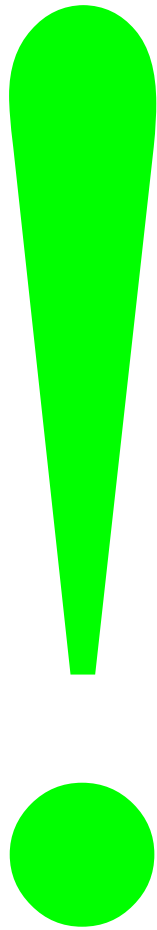
Yes, You guessed it

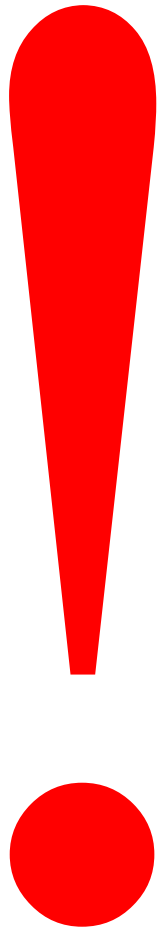


there
is
more
majestic
than
it
too









الله

سبحانه و تعالى

Allah

Subhanahu Wa Taala

Himself

And the Glorious Throne is nothing more than a spec of
dust in front of

THE MAJESTY OF ALLAH ALMIGHTY ALONE.

هو الله الذى لا إله إلا هو^ط علم الغيب والشهادة^ط هو
الرحمن الرحيم (٢٢) هو الله الذى لا إله إلا هو
الملك القدوس السلم المؤمن المهيم العزيز الجبار
المتكبر سبحن الله عما يشركون (٢٣) هو الله الخلق
البارئ المصور^ط له الأسماء الحسنى يسبح له ما فى
السموات والأرض^ط وهو العزيز الحكيم (٢٤)

He is Allâh, beside Whom Lâ ilâha illa Huwa (none has the right to be worshipped but He) the All-Knower of the unseen and the seen. He is the Most Gracious, the Most Merciful. (22) He is Allâh beside Whom is Lâ ilâha illa Huwa (none has the right to be worshipped but He) the King, the Holy, the One Free from all defects, the Giver of security, the Watcher over His creatures, the All-Mighty, the Compeller, the Supreme. Glory be to Allâh! (High is He) above all that they associate as partners with Him. (23) He is Allâh, the Creator, the Inventor of all things, the Bestower of forms. To Him belong the Best Names[] . All that is in the heavens and the earth glorify Him. And He is the All-Mighty, the All-Wise. (24)

This where everything ends because He Subhanahu Wa Taala is
The First and The Last.

Was' SalamuAlaikum Wa Rahmatullahi Wa Barakatuhu.