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Mathematical interpretation of the holy Quran

Volume 1

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"إِنَّا أَنْزَلْنَاهُ فِي لَيْلَةِ الْقَدْرِ (1) وَمَا أَدْرَاكَ مَا لَيْلَةُ الْقَدْرِ (2) لَيْلَةُ الْقَدْرِ خَيْرٌ مِّنْ أَلْفِ شَهْرٍ (3) تَنَزَّلُ الْمَلَائِكَةُ وَالرُّوحُ فِيهَا بِإِذْنِ رَبِّهِمْ مِّنْ كُلِّ أَمْرٍ (4) سَلَامٌ هِيَ حَتَّىٰ مَطْلَعِ الْفَجْرِ (5)"

1-"Indeed, We sent the Qur'an down during the Night of Decree."

2-"And what can make you know what is the Night of Decree?"

3-"The Night of Decree is better than a thousand months."

4-"The angels and the Spirit descend therein by permission of their Lord for every matter."

5-"Peace it is until the emergence of dawn."

This book "Volume 1", I finished writing in ramadan 2020 in montreal. I give it as a gift to all muslims for the celebration of the night of the power "لَيْلَةُ الْقَدْرِ" hoping to be fruitful. I will, Inchallah, be preparing volume 2 for next ramadan 2021 to celebrate again the night of power.

Mathematical interpretation of the holy Quran

Prologue

I don't have the intention to become a writer because I've never thought about my self as one. I have spent most of my free time to read different types of books in arabic, french and english languages. Every book gave birth to new idea in my mind until I assembled a larger idea that can be subdivided. Reading too much is the cause of the birth of this book.

All books I have read are freely downloaded from th the online free libraries. I love to read because I was told when I was still young in school that we are a nation that does not read. As you all know, a nation that does not read much does not know much.

Young muslims today, thanks to god, read too much and are able to build the nation as the best beloved prophet muhammed (pbuh) would have wanted to see it.

I personally don't like to misunderstand anything, in other words, I would like to understand everything and excel in performing.

I found out that the number of subjects that have not been treated and addressed yet in books are a lot more than subjects that have been written about.

I suddenly had the idea of writing a book for myself and I downloaded many books that explain the methodologies of book writing.

Frankly, it's been a high "wave amplitude" that I had never thought I would swim on. I would never had thought that I would spend nights and months devouring books to write one. The scientific rigorous methodology that am bound by and the vastness of the subject made the mission to write this book very difficult.

I have to say that reading is too much easier than writing. Writing a book as a first experience conducted me to discover that no one starts to write a book and he knows in advance what creature he is going to create. Writing book is a mysterious adventure, you never know where your feet are taking you to.

I was surprised by the outcome of my research exactly as the reader will be. I am hoping that the muslim community scientists are not going to judge me as apostate if they notice a big mistake in

my analysis because I bear witness that there is no deity but God, and I bear witness that his and our beloved Muhammad is the messenger of God and I behave accordingly.

I would like to thank anyone who helped me in putting this book into being, but unfortunately, there is no person who participated in it for the simple reason that no one knew about it. I can, though, extend my thanks to the soul of my mother and the souls of the readers and the main first and last thanks to the creature of all souls.

You have my email if you would like to forward any criticism. Note that there is neither an editor for this book nor a single right reserved.

Introduction

The more the science advances the more we can understand better in clear view our world. The true religion islam is the fundamental science that explains our world with its basic sources of the holy Quran and the conduct of the prophet (peace be upon him).

For a long time since the islamic revelation, the companions of the prophet and their successors of many scholars have been trying to explain the Quran with different methods.

In this book, that am trying to build, I will be trying to use a powerful science to interpret the holy Quran. The challenge is huge and needs more than a single person effort and the path is rocky and slippery that needs years to be lined and straight.

It's a book that I built hoping that I can add to muslim word even a very small quantity of knowledge's energy > 0 . This knowledge can make my account credit increasing after my Geedon's soul tunnels my body barrier to travel to different space "البَرَزَخ".

This book I wanted to be a continuous benefit for me after I will be transferred from my current earth space to the unknown space after death. On the authority of Abu Hurairah that the Messenger of Allah (pbuh) said, 'When a person dies, his deeds come to an end except for three: Sadaqah Jariyah (a continuous charity), or **knowledge from which benefit is gained**, or a righteous child who prays for him'. (Sahih Muslim).

I am not writing this book for any commercial purpose to be sold and make money or to become famous; actually, it's a personal research done on my own in my own house that can be criticized, I digged deep in many books of mathematic, physics and the book of Quran and narratives of the prophet (pbuh). I intended to share it with all interested people in understanding the Quran using the science of mathematic in very simplistic and original way.

All the ideas in this book are my own , no single idea was taken from a mathematician or physician except the well known universal mathematics or physics concepts definitions as energy, force, planets data, arithmetics, functions, sets, theories of math and physics and some graphs representations.

Whenever I invent my own idea or my own geometric representation based on already established theories, I note clearly that it is mine; otherwise, readers will understand from the different expressions that it is my own reasoning and logical results.

I expect the reader to have basic knowledge of mathematics and physics to understand my analysis. College mathematics and physics are basic but not enough to understand every point. Anyone who wants to deepen his understanding he can read more books mentioned in the bibliography.

I did not stop on each idea and developed it to the maximum limit, but I just tried to clarify its concept with definition and some properties with graphs and calculation. May be in other books I can develop each idea deeper because each one of them really opens a wide horizons to add on.

This book is the opening and every muslim student or muslim professor or curious muslim regular researcher can develop it and put his touch and smartness into test. We are all as muslim invited to think about it and develop science in our countries.

Very important to note that mathematics are not more important than the Quran and can not explain everything. The most important remark is that God created mathematics and he is not doing mathematics as many may think.

I build this book starting on the base of the idea that Quran is absolutely true and all verses are true in their form and events related. This idea is an axiom "An axiom or postulate is a statement that is taken to be true, to serve as a premise or starting point for further reasoning and arguments." :

The axiom on which I build this book is the verse 9 surah "Chapter" El-hijr:

" إِنَّا نَحْنُ نَزَّلْنَا الذِّكْرَ وَإِنَّا لَهُ لَحَافِظُونَ "

9-"Indeed, it is We who sent down the Qur'an and indeed, We will be its guardian."

(Sahih international translation is used for all verses translated.)

Which it means am not trying to use mathematics to test the truthfulness of the Quran but am using the mathematics **to reinforce its truthfulness and understand it better**. This try that am making as a curious independent researcher, I will keep working on it for the next years and my hope is to be successful. We are all strongly invited to add something constructive to our current muslim world.

Definitely, I am not a scientist but am a curious researcher who loves past muslim scientists who illuminated the world as Muhammad ibn Mūsā al-Khwārizmī (Algorismi), father of algebra and algorithms and Al-Kindi (Alkindus) and the list is too long to be fully mentioned. I appreciate all our contemporary muslim scientists who are working hard and still believe in a strong muslim scientific united nation.

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Chapter I- verses of heavens and earth creation

Surah El-baqara verse 29 states :

"هُوَ الَّذِي خَلَقَ لَكُمْ مَا فِي الْأَرْضِ جَمِيعًا ثُمَّ اسْتَوَىٰ إِلَى السَّمَاءِ فَسَوَّاهُنَّ سَبْعَ سَمَاوَاتٍ وَهُوَ بِكُلِّ شَيْءٍ عَلِيمٌ"

29-"It is He who created for you all of that which is on the earth. Then He directed Himself to the heaven, [His being above all creation], and **made them seven** heavens, and He is Knowing of all things."

The verse 29 says that God **directed himself** to the heaven then **made** it **seven** heavens. The mathematical question that shall be posed is : what is the mathematical operation that was performed in this creation of the seven heavens and why using the number seven and not six or eight or any other number ?

Understanding the operation has an important impact on understanding the terms used in the verse and consequently understanding the whole verse.

The term " turned to the heaven " it means God already created it or created a portion of it or the base of it which is an action of making the nothing or inexistence " Zero " to become "One".

To change quantity from ZERO " nothing " to ONE " heaven " the only logic operation is the addition that we write as $0 + 1 = 1$.

The next verses below cited confirms that the heaven or I will use the term " UNIVERSE " was already created when god performed the next step which is to make the one (1) universe into seven (7) universes :

Surah Fussilat verses 11-12

11-"ثُمَّ اسْتَوَىٰ إِلَى السَّمَاءِ وَهِيَ دُخَانٌ فَقَالَ لَهَا وَلِلْأَرْضِ ائْتِيَا طَوْعًا أَوْ كَرْهًا قَالَتَا أَتَيْنَا طَائِعِينَ "

12-"فَقَضَاهُنَّ سَبْعَ سَمَاوَاتٍ فِي يَوْمَيْنِ وَأَوْحَىٰ فِي كُلِّ سَمَاءٍ أَمْرَهَا وَزَيْنًا السَّمَاءِ الدُّنْيَا بِمَصَابِيحٍ وَحِفْظًا ذَلِكَ تَقْدِيرُ الْعَزِيزِ الْعَلِيمِ"

11-"Then He directed Himself to the heaven while it was smoke and said to it and to the earth, "Come [into being], willingly or by compulsion." They said, "We have come willingly."

12-"And He completed them as seven heavens within two days and inspired in each heaven its command. And We adorned the nearest heaven with lamps and as protection. That is the determination of the Exalted in Might, the Knowing."

It's clear for readers that God in the next step turned to the one (1) and made it seven (7). The question is : was that by adding 6 heavens to the first one $1 + 6 = 7$ or by the multiplication of the first heaven by 7 using the operation $1 \times 7 = 7$ or the third possibility is that he divided $7 \div 1$ or exponentiation 7^1 ?

You might be wondering now and saying : But who cares about the operation !?. You may be tell me : exalted God does not mathematics and the verse 82 surah Ya-Seen says :

"إِنَّمَا أَمْرُهُ إِذَا أَرَادَ شَيْئًا أَنْ يَقُولَ لَهُ كُنْ فَيَكُونُ"

"His command is only when He intends a thing that He says to it, "Be," and it is."

I answer you my respected reader that if you continue to read this book you will be surprised.

The word "Be" has mathematical , physical, astronomical, quantum... and many aspect. Be patient, don't close the book and continue to read. You will be surprised more than I has been.

Let's first try to define the meaning of the basic arithmetic operations which are addition, subtraction, multiplication and division, although it also includes more advanced operations, such as manipulations of percentages, square roots, exponentiation, logarithmic functions, and even trigonometric functions, in the same vein as logarithms

But in our verse we have four possibilities to explore : addition or multiplication or dividing or exponentiation.

I - The mathematical operations

1- Addition (+)

A-The proprieties

Addition is the most basic operation of arithmetic. In its simple form, addition combines two numbers, the addends or terms, into a single number, the sum of the numbers (Such as $6 + 1 = 7$ or $3 + 5 = 8$).

Addition is commutative and associative,

In math, the associative and commutative properties are laws applied to addition and multiplication that always exist. The associative property states that you can re-group numbers and you will get the same answer and the commutative property states that you can move numbers around and still arrive at the same answer.

What is the Associative Property?

The associative property comes from the words "associate" or "group." It refers to grouping of numbers or variables in algebra. You can re-group numbers or variables and you will always arrive at the same answer.

This equation shows the associative property of addition:

$$(a + b) + c = a + (b + c)$$

$$(1 + 6) + 0 = 1 + (6 + 0)$$

This equation shows the associative property of multiplication:

$$(a \times b) \times c = a \times (b \times c)$$

$$(6 \times 1) \times 0 = 6 \times (1 \times 0)$$

In our case, the universe was non-existent "0" then it becomes existent "1" then it was made "7". If the operation performed was $(0 + 1) + 6 = 7$ then according to the associative rule there is no theoretical mathematical difference with $0 + (1 + 6) = 7$ in the theoretical result.

We still don't know which operation was done to get the 7 but later another verse will clarify the ambiguity when we do the inverse operation test.

What is the Commutative Property?

The commutative property in math comes from the words "commute" or "move around." This rule states that you can move numbers or variables in algebra around and still get the same answer.

This equation defines the commutative property of addition:

$$a + b = b + a$$

$$6 + 1 = 1 + 6$$

This equation defines the commutative property of multiplication:

$$a \times b = b \times a$$

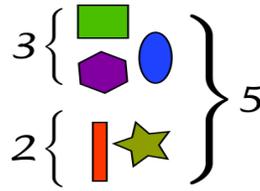
$$7 \times 1 = 1 \times 7$$

B- The interpretations of addition

Addition is used to model many physical processes. Even for the simple case of adding natural numbers, there are many possible interpretations.

B-1 Combining sets

Possibly the most fundamental interpretation of addition lies in combining sets:



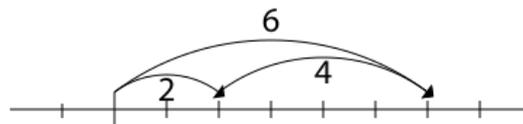
When two or more disjoint collections are combined into a single collection, the number of objects in the single collection is the sum of the numbers of objects in the original collections.

Let's pose another question to help understand did the verse of creation means addition (+). What does it mean to add two natural numbers?

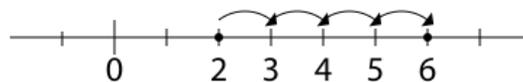
Suppose you have two bags, one bag holding one apple and a second bag holding six apples. Grabbing a third, empty bag, move all the apples from the first and second bags into the third bag. The third bag now holds seven apples. This illustrates the combination of one apple and six apples is seven apples; or more generally: "one plus six is seven" or "seven is the sum of one and six". Numbers are abstract, and the addition of a group of one things to a group of six things will yield a group of seven things. Addition is a regrouping: two sets of objects that were counted separately are put into a single group and counted together: the count of the new group is the "sum" of the separate counts of the two original groups.

If we apply this interpretation to the 7 universes creation, the meaning will be: God created a set having (1) lonely universe as element and then added another set containing (6) universes to make (7) in total which is useless because god could create a single set containing 7 from the beginning directly. Moreover these two sets will not have any effect in physics.

B-2 Extending a length



This is a number-line visualization of the algebraic addition $2 + 4 = 6$. A translation by 2 followed by a translation by 4 is the same as a translation by 6.



And this number-line visualization of the unary addition $2 + 4 = 6$. A translation by 4 is equivalent to four translations by 1.

This is the second interpretation of addition that comes from extending an initial length by a given length.

When an original length is extended by a given amount, the final length is the sum of the original length and the length of the extension.

The sum $a + b$ can be interpreted as a binary operation that combines a and b , in an algebraic sense, or it can be interpreted as the addition of b more units to a .

The question is was god extending the length of the universe 1 by adding another 6 universes to become 7 in total ? here the first universe seems useless in a sense that god could create 7 directly by adding 7 universes to zero "0" existence. Again no impact will be noticed in physics if this operation of extending was performed.

B-3 Other meanings

Several possible meanings that the mathematical operation of addition can have. Other meanings for addition include:

- **Comparing** ("Ahmed has 1 apple. Ali has 6 more apples than Tom. How many apples does Ali have?"), which is not the meaning of the verse. God did not make any comparison in his universes creation.
- **Joining** ("Ahmed has 1 apple. Omar gives him 6 more apples. How many apples does Ahmed have now?"), which is useless as meaning for creating the universe. God did not add 6 to 1 to join.
- **measuring** ("Ahmed desk is 1 feet wide. bubakkar's is also 6 feet wide. How wide will their desks be when put together?"), which does not fit with the verse because god did not add to measure.
- **Separating** ("Ahmed had some apples. He gave 6 to Talha. Now he has 1. How many did he start with?"). This is not the meaning of our verse of creation. God did not separate when he made 1 into 7.

The separation and join ideas were expressed in another different verse, surah El-Anbiya, verse 30 :

"أَوَلَمْ يَرَ الَّذِينَ كَفَرُوا أَنَّ السَّمَوَاتِ وَالْأَرْضَ كَانَتَا رَتْقًا فَفَتَقْنَاهُمَا وَجَعَلْنَا مِنَ الْمَاءِ كُلَّ شَيْءٍ حَيٍّ أَفَلَا يُؤْمِنُونَ"

30- " Have those who disbelieved not considered that the heavens and the earth were a **joined** entity, and We **separated** them and made from water every living thing? Then will they not believe? "

C- Proof by the inverse operation test

What are Inverse Operations?

The word 'inverse' means reverse in direction or position. It comes from the Latin word 'inversus,' which means to turn upside down or inside out. In mathematics, an inverse operation is an operation that undoes what was done by the previous operation.

The five main mathematical operations are addition, subtraction, multiplication, division and exponentiation. The inverse of addition is subtraction and vice versa. The inverse of multiplication is division and vice versa.

The logarithm is the inverse operation to exponentiation, just as division is the inverse of multiplication and vice versa. That means the logarithm of a number is the exponent to which another fixed number, the base, must be raised to produce that number. In the most simple case the logarithm counts repeated multiplication of the same factor; e.g., since $1000 = 10 \times 10 \times 10 = 10^3$, the "logarithm to base 10" of 1000 is 3. More generally, exponentiation allows any positive real number to be raised to any real power, always producing a positive result, so the logarithm can be calculated for any two positive real numbers b and x where b is not equal to 1. The logarithm of x to base b, denoted $\log_b(x)$ (or $\log_b x$ when no confusion is possible), is the unique real number y such that $b^y = x$. For example, $\log_2 64 = 6$, as $64 = 2^6$.

Let's look at some examples to show how inversion works in the addition operation that we are studying.

Take this simple addition problem: $1 + 6 = 7$. If we want to reverse the addition, we just subtract $7 - 6 = 1$ and we are back to where we started. The same is true for multiplication and division: $1 \times 7 = 7$ and $7 \div 7 = 1$.

The inverse of the creation in verse 29 that we are analysing is expressed in this following verse number 104 surah El- Anbiya:

"يَوْمَ نَطْوِي السَّمَاءَ كَطَيِّ السِّجِلِّ لِلْكُتُبِ كَمَا بَدَأْنَا أَوَّلَ خَلْقٍ نُعِيدُهُ وَعَدَّا عَلَيْهَا إِنَّا كُنَّا فَاعِلِينَ"

104-"The Day when We will fold the heaven like the folding of a [written] sheet for the records. As We began the first creation, We will repeat it. [That is] a promise binding upon Us. Indeed, We will do it."

The folding meaning supposes that all the 7 universes go back to their original status number 1 without removing anyone of them from existence, the universes here are represented by a sheet divided to 7 portions each one is folded on the other to become as one. This is the inversion process expressed in the quran. Does this real inversion correspond to the logical inversion of the arithmetic addition that we are analysing ?

The mathematical inverse test on addition means that we must make subtraction which is $7 - 6 = 1$. The subtraction will remove 6 universes from the existence by subtracting 6 from 7 which does not tie in and match the idea of folding in the verse that implies the all 7 portions still exist. Hence, this is a proof that the initial operation of verse 29 was not addition.

Let's analyse now the possibility that the operation done on verse 29 surah Al-Baqara, if it is multiplication of $7 \times 1 = 7$

2- **Multiplication** (\times or \cdot or $*$)

Multiplication is the second basic operation of arithmetic. Multiplication also combines two numbers into a single number, the product. The two original numbers are called the multiplier and the multiplicand, mostly both are simply called factors.

Multiplication may be viewed as a scaling operation. If the numbers are imagined as lying in a line, multiplication by a number, say x , greater than 1 is the same as stretching everything away from 0 uniformly, in such a way that the number 1 itself is stretched to where x was. Similarly, multiplying by a number less than 1 can be imagined as squeezing towards 0. (Again, in such a way that 1 goes to the multiplicand.)

So did god stretch the 1 universe 7 times its size ?

Another view on multiplication of integer numbers, is by considering it as repeated addition. So 7×1 corresponds to either adding 7 times a 1, or 1 time a 7, giving the same result.

The repeated addition that is, the multiplication of two numbers is equivalent to adding as many copies of one of them, the multiplicand, as the value of the other one, the multiplier. The multiplier can be written first and multiplicand second; both can be called factors.

But if we look on verse 29 we know that god made the 1 universe into 7 so we can not say that he added 1 time a 7 because there was no 7 in the begining to add it 1 time. Moreover since multiplying any number by 1 yields that same number (no stretching or squeezing), then multiplying 7 by 1 is not making any difference in result and god never does things with no difference in result which it proves that the operation 1×7 is not what happen in verse 29.

So the only case left is that he added 7 times the 1 which is $1 + 1 + 1 + 1 + 1 + 1 + 1 = 7$; or he may be stretched the original first 1 universe 7 times its size to become 7 times bigger ?

One of the main properties of multiplication is the commutative property: adding 1 copy of 7 gives the same result as adding 7 copies of 1: Thus the designation of multiplier and multiplicand does not affect the result of the multiplication.

The numbers to be multiplied are generally called the "factors". The number to be multiplied is the "multiplicand", and the number by which it is multiplied is the "multiplier". Usually the multiplier is placed first and the multiplicand is placed second; however sometimes the first factor is the multiplicand and the second the multiplier. Also as the result of a multiplication does not depend on the order of the factors, the distinction between "multiplicand" and "multiplier" is generally unuseful which supports the idea that creating 7 and multiply it by 1 or creating 1 then multiply it by 7 is the same and starting by 1 or 7 is the same and no change in the result. So why God he would stretch 1 into 7 and he would not stretch 7 into 1 !?

We think that multiplying 1 by 7 is absurd and has no mathematic usefulness since he could made 7 from the start.

The result of a multiplication is called a product. A product of integers is a multiple of each factor. For example, 7 is the product of 1 and 7, and 7 is both a multiple of 1 and a multiple of 7.

Also the "Multiplicative Identity" is 1, because multiplying a number by 1 leaves it unchanged:

$$a \times 1 = 1 \times a = a$$

And our operation that we are going to verify if it is really that was made in verse 29 has the form of $7 \times 1 = 1 \times 7 =$ unchanged 7. **I and you the reader believe that god never make things that don't make any change.**

So according to the rule of multiplicative identity 1, the 7 time 1 is not going to change anything and the 1 times 7 has no purpose because god could created 7 as original point of heavens creation with no obvious "need" to create 1 then repeat it 7 times.

All these mathematical proofs show that the operation in verse 29 neither was multiplication nor was addition.

Another proof is the inverse operation of multiplication which is division. For example, since 1 multiplied by 7 equals 7, then 7 divided by 7 equals 1. Multiplication by 7, followed by division by 7, yields the original number (since the division of a number other than 0 by itself equals 1).

Then according to this rule of inverse, if we divide 7 by 7 the result is 1.

A simple analysis of this division will lead us to contradiction with verse of **folding** of surah Al-Anbiya which is the quranic inverse of verse 29 surah Al-Baqara.

Verse of folding is 104 surah Al-Anbiya

"يَوْمَ نَطْوِي السَّمَاءَ كَطَيِّ السِّجْلِ لِلْكِتَابِ كَمَا بَدَأْنَا أَوَّلَ خَلْقٍ نُعِيدُهُ وَعَدَّا عَلَيْهَا إِنَّا كُنَّا فَاعِلِينَ"

104-"The Day when We will **fold** the heaven like the folding of a [written] sheet for the records. **As We began the first creation, We will repeat it.** [That is] a promise binding upon Us. Indeed, We will do it."

Our many scientists, very respected, they explain the meaning of "**we will repeat it**" that is god after ending (fold) the heavens, he will create it again better, and explain "folding" by ending or changing these heavens from their wordly status to paradise heavens and that is the second creation in perfect world.

This explanation is true but I propose another explanation mathematically that can give us another view to what will happen.

let's go back to our division 7 heavens by 7 = 1.

division is the inverse operation to multiplication, that is $a = c \div b$ means $a \times b = c$, as long as b is not zero. If $b = 0$, then this is a division by zero, which is not defined.

Am trying to prove that the creation of heavens was not multiplication of 1 heaven 7 times by refuting it using the test of inverse which is the division. If the multiplication was true then the division would be true also and if the division is false it means that multiplication is false.

We suppose the heaven was 1 which is < 7 then multiplied 7 times = 7 heavens.

Now in order to go back to the original point of start which is 1 heaven we have to divide 7 heavens by 7.

What is being divided is called the dividend (7), which is divided by the divisor (7), and the result is called the quotient (1). In our problem, 7 is the dividend, 7 is the divisor, and 1 is the quotient.

quotient is always $<$ to dividend , so $1 < 7$.

But the word "fold" of verse 104 surah Al-Anbiya does not mean this reduction in value from 7 to 1. because folding the seven parts of a sheet to look like one does not remove any part from existence but the meaning is "SHRINKING". the shrink keep the 7 parts as they are but change their form to look one.

then we deduce that the folding is contradictory with division and as the division is false then its inverse multiplication of 7×1 is also false.

3- Exponentiation

Exponentiation is a mathematical operation, written as b^n , involving two numbers, the base b and the exponent or power n . When n is a positive integer, exponentiation corresponds to repeated multiplication of the base: that is, b^n is the product of multiplying n bases:

$$b^n = b \times b \times b \times \dots \text{ (n times).}$$

The term power was used by the Greek mathematician Euclid for the square of a line, following Hippocrates of Chios Archimedes discovered and proved the law of exponents, $10^a \cdot 10^b = 10^{a+b}$, necessary to manipulate powers of 10. In the 9th century, the Persian mathematician Muhammad ibn Mūsā al-Khwārizmī used the terms mal for a square and kahb for a cube, which later Islamic mathematicians represented in mathematical notation as m and k, respectively, by the 15th century, as seen in the work of Abū al-Hasan ibn Alī al-Qalasādī.

According to the exponentiation law, $b^1 = b$,

Was the operation of of creation of verse 29 surah Al-Baqara $7^1 = 7$?

The answer is very easy, It's a big NO.

Again the proof is Surah Fussilat verses 11-12

11-"ثُمَّ اسْتَوَىٰ إِلَى السَّمَاءِ وَهِيَ دُخَانٌ فَقَالَ لَهَا وَلِلْأَرْضِ ائْتِيَا طَوْعًا أَوْ كَرْهًا قَالَتَا أَتَيْنَا طَائِعِينَ "

12-"فَقَضَاهُنَّ سَبْعَ سَمَوَاتٍ فِي يَوْمَيْنِ وَأَوْحَىٰ فِي كُلِّ سَمَاءٍ أَمْرَهَا وَزَيَّنَّا السَّمَاءَ الدُّنْيَا بِمَصَابِيحَ وَحِفْظًا ذَلِكَ تَقْدِيرُ الْعَزِيزِ الْعَلِيمِ "

11-"Then He directed Himself to the heaven while it was smoke and said to it and to the earth, "Come [into being], willingly or by compulsion." They said, "We have come willingly."

12-"And He **completed** them as **seven** heavens within two days and inspired in each heaven its command. And We adorned the nearest heaven with lamps and as protection. That is the determination of the Exalted in Might, the Knowing."

Clearly, God spoke to the base universe that was one (1) then he made it seven (7) universes. The point of start or the base "b" was 1, then it can not be 7 powered to 1.

Moreover, powering 7 to 1 does not change the number 7, the result of 7^1 is the same as 7 and God never does things with no effect or change.

"quod erat demonstrandum □"

After I have refuted all the possibilities of addition, multiplication and exponentiation in verse 29 surah Al-Baqara, the only possibility left is that the base of the universe was created from nothing " 0 " by addition $0 + 1 = 1$ and that basic universe that contain the empty space and the matter normal (atoms of stars , planet ,humains.. and dark matter) was divided by 7 to make 7 parts each one is called universe. This division matches perfectly with 7 parts of the sheet that are going toè be fold in the end of this world.

And the only possible arithmetic operation left to confirm is the 1 divided by 7.

4- Division

Division is one of the four basic operations of arithmetic, the ways that numbers are combined to make new numbers. Several symbols are used for the division operator, including the obelus (\div), the colon ($:$) and the slash ($/$).

At an elementary level the division of two natural numbers is can be interpreted as the process of calculating the number of times one number is contained within another one. This number of times is not always an integer.

The division with remainder or Euclidean division of two natural numbers provides a quotient, which is the number of times the second one is contained in the first one, and a remainder, which is the part of the first number that remains.

The division can yield only one single result with or without remainder. The division is the inverse operation to multiplication, that is $a = c \div b$ means $a \times b = c$, as long as b is not zero.

Both forms of divisions appear in various algebraic structures, different ways of defining mathematical structure. Those in which a Euclidean division (with remainder) is defined are called Euclidean domains and include polynomial rings in one indeterminate (which define multiplication and addition over single-variable formulas). Those in which a division (with a single result) by all nonzero elements is defined are called fields and division rings. In a ring the elements by which division is always possible are called the units (for example, 1 and -1 in the ring of integers).

The simplest way of viewing division is in terms of quotion and partition: from the quotion perspective, $1 \div 7$ means the number of 7s that must be added to get 1. In terms of partition, $1 \div 7$ means the size of each of 7 parts into which a set of size 1 is divided. For example, 1 apple

divided into 7 groups of 0,142857 142857... apples, meaning that 1 divided by 7 is equal to 0.142857...

What is being divided is called the dividend, which is divided by the divisor, and the result is called the quotient. In our case, 1 "base universe" is the dividend, 7 is the divisor, and 0,142857 "sub-universe"... is the quotient.

Unlike the other basic operations, when dividing natural numbers there is sometimes a remainder that will not go evenly into the dividend; for example, $10 \div 3$ leaves a remainder of 1, as 10 is not a multiple of 3. Sometimes this remainder is added to the quotient as a fractional part, so $10 \div 3$ is equal to 3.33..., but in the context of integer division, where numbers have no fractional part, the remainder is kept separately or discarded.

When the remainder is kept as a fraction, it leads to a rational number. The set of all rational numbers is created by every possible division using integers. In modern mathematical terms, this is known as extending the system.

Unlike multiplication and addition, Division is not commutative, meaning that $a \div b$ is not always equal to $b \div a$. Division is also not, in general, associative, meaning that when dividing multiple times, the order of division can change the result. For example, $(20 \div 5) \div 2 = 2$, but $20 \div (5 \div 2) = 8$ (where the use of parentheses indicates that the operations inside parentheses are performed before the operations outside parentheses).

Division is, however, distributive, in the sense that $(a+b) \div c = (a \div c) + (b \div c)$ for every number.

II- The final interpretation

1- Universe expanding towards its borders' limits

Dividing 1 by 7 is an infinite operation which never stops and has no finite determined result. In the following verses the idea of 7 universes is mentioned again:

Verse 12 surah Al- Talaq:

"اللَّهُ الَّذِي خَلَقَ سَبْعَ سَمَاوَاتٍ وَمِنَ الْأَرْضِ مِثْلَهُنَّ يَتَنَزَّلُ الْأَمْرُ بَيْنَهُنَّ لِتَعْلَمُوا أَنَّ اللَّهَ عَلَىٰ كُلِّ شَيْءٍ قَدِيرٌ وَأَنَّ اللَّهَ قَدْ أَحَاطَ بِكُلِّ شَيْءٍ عِلْمًا"

12-"It is Allah who has created **seven heavens and of the earth, the like of them**. [His] command descends among them so you may know that Allah is over all things competent and that Allah has encompassed all things in knowledge."

Surah Al-Nabaa verse 12:

"وَبَنَيْنَا فَوْقَكُمْ سَبْعًا شِدَادًا"

12-"And constructed above you **seven strong [heavens]**"

I understand from the verses that the base heaven was divided by 7 to make 7 parts and each part contain groups of planets and stars, which it means that God made 7 groups of planets and put each group in one universe.

Many scientists of muslim world explain the word "earth" as our planet the earth where humans live which it geologically has 7 layers and that is true; but I would like to propose another interpretation of the word "heaven" in the verse as "universe" and the word "earth" as "group or set of planets".

let's now go back to mathematics !

Dividing 1 by 7 is really strange operation as 22 by 7 has the same repeating unstoppable decimals : 0,142857 142857... infinite.

A repeating or recurring decimal is a decimal representation of a number whose digits are periodic (repeating its values at regular intervals) and the infinitely repeated portion is not zero. It can be shown that a number is rational if and only if its decimal representation is repeating or terminating. For example, the decimal representation of 1/7 becomes periodic just after the sixth digit, repeating the digits " 142857" forever. Or $\frac{1}{7} = 0.142857\dots$

The infinitely repeated digit sequence is called the repetend or reptend. If the repetend is a zero, this decimal representation is called a terminating decimal rather than a repeating decimal.

Each universe is equal size and represented by the quotient of the division : 0,142857 142857... We can suppose that this "number" is the propriety of each universe and we will try to analyse it.

My idea is that the quotient number is moving upward from small to larger in continuous unstoppable way because we know that every period of that decimal when it repeats again the number gets bigger and this is how it is compared :

$0,142857\ 000000$ is $< 0,142857\ 142857\ 000000 < 0,142857\ 142875\ 142857\dots$ etc.

Therefore, the more period 142857 is added the bigger the number becomes which it means that the non stoppable period of 142857 obtained in 1 divided by 7 is increasing in size towards its "unknown limit".

This **expanding** was bizarrely expressed and confirmed in the following verse number 47 surah Adh-Dhariyat verse 47 :

"وَالسَّمَاءَ بَنَيْنَاهَا بِأَيْدٍ وَإِنَّا لَمُوسِعُونَ"

47-"And the heaven We constructed with strength, and indeed, We are [its] **expander**."

I deduce that each universe is not expanding beyond its borders, but it is expanding towards its borders that it did not reach yet because the decimals of $0,142857\dots$ is still increasing and getting larger towards its limit.

So to be more clear, God did not create each universe with its established borders and then he expanded it to be larger than its original size. I think from the expanding decimals $142857\dots$ that each universe of the the seven since the time of its creation has not been finished yet; the size creation is still growing and borders are not established yet and the expansion is towards its theoretical limits, towards the last number "G".

Number "G" will be explored in later chapter.

Each universe is growing as human grows from birth to death through different ages.

Amazing ! isn't it ? You will be more amazed the more pages of this book you read.

I think that these decimals will reach their limit one day because it's the result of division of limited numbers 1 and 7. dividing the number 1 that has a limited absolute value $|1|$ by a number

7 that has limited absolute value $|7|$ will logically generate an other number with **limited** absolute value.

I think that when this periodic repeating decimals reach their limit of repeating, then the process of folding will start to reverse the division by multiplying the limited part $|0,142857| \times 7$ to obtain the 1 original universe, without removing any part of it from existence.

Multiplying now the $0,142857 \times 7$ before the number reaches its periodic repeating limit will give us as result 0,999999. this result is not the original 1 universe that was divided by 7 but it's smaller than 1 ($0,999999 < 1$).

2- Movement of each universe through different orbits

7 is a prime number that go under the rule of :

" If the repetend length of $1/p$ for prime p is equal to $p - 1$ then the repetend, expressed as an integer, is called a cyclic number"

The p in our case is 7 , so if we divide $1 \div 7 = 0,142\ 857$ we will have 6 repeating digits on the right of the 0 : those 6 digits are according to the previous rule the prime number itself 7 minus 1 ($p - 1$). Then the number 142857 is a cycle number.

The reason for the **cyclic** behavior is apparent from an arithmetic exercise of long division of $1 \div 7$: the sequential remainders are the cyclic sequence $\{1, 3, 2, 6, 4, 5\}$.

The cycle number 142857 can be divided into two sequences start '142' and is followed by '857'

A lot of specifications were written about the number 7 and the cyclic number 142857 in many books but I will explore it in a different way.

This number according to my previous analysis represents each universe and is the code of the movement of each universe towards its limit. Given that I already proved the existence of that movement, I am inclined to presume another movement of the universe that causes the expansion.

The second movement must be the orbiting of the universe around a central point, the effect of that movement in high speed is the cause that produce the stretching of the borders.

If each universe was static and isotropic ,it would never expand from its borders. The stretching is a movement that can not be independent but it's the consequence of the orbiting movement.

The orbiting movement of each universe that am going to try to analyse and represent in a graph from that code 142857 is not just one orbit but I deduct from the code that there are 6 different orbits that exist and each universe is moving from one to another producing another type of time measurement.

as revolution of the earth around the sun makes our year (365.25 days) as time unit, the same thing happen with each universe when orbiting central point on level "A" then change to level "B" , then "C" , then "D", then "E" and the last one "F".

Note here that the 7 universes are placed one over the other vertically and I postulate that they change the orbit in a block together as pictured below:



I adhere to the multiverse concept with the difference that I think that the first universe is where human live on the earth.

142857 : each digit is a level of orbit with its proper distance.

The reason why 7 is the number to divide 1 and not any other number is mysterious but I think that after the mathematical analysis of the verses I deducted that number **SEVEN IS THE ONLY NUMBER THAT PRODUCES THE TIME RUNNING** .

When the basic universe (basic heaven) was created as number 1 there was no time yet to run (seconds, minutes, days, years...) and when the division by 7 was done the time started to run as

every universe has its own group of planet that are spinning and orbiting on different distance and speed and direction.

In the holy Quran every time the number 7 is cited, it has a link with the time running. Without the number 7 there would be no time running. There are different times of course and even the universe as orbiting different orbits, can have different time parameters based on orbit speeds and distances.

When I talk about moving through 6 orbits I don't mean moving through universes. Let's be more clear, moving from one universe to another is going through the black hole of a given universe to the next one in **vertical direction** from down to up as the travel of the beloved prophet of god **MUHAMMAD** (infinite ∞ peace be upon him صلى الله عليه وسلم) in the event of Miraj

The travel from earth till seventh universe (heaven), was most likely done through the black hole exit door from first universe to the second. The black hole **السِّدْرَةَ** in each universe is the exit to the next one. The last universe exit is the last black hole **سِدْرَةَ الْمُنْتَهَى** to get to the paradise.

This was expressed in surah Al-Najm verses 1-18:

وَالنَّجْمِ إِذَا هَوَىٰ (1) مَا ضَلَّ صَاحِبُكُمْ وَمَا غَوَىٰ (2) وَمَا يَنْطِقُ عَنِ الْهَوَىٰ (3) إِنْ هُوَ إِلَّا وَحْيٌ يُوحَىٰ (4) عَلَّمَهُ شَدِيدُ الْقُوَىٰ (5) ذُو مِرَّةٍ فَاسْتَوَىٰ (6) وَهُوَ بِالْأُفُقِ الْأَعْلَىٰ (7) ثُمَّ دَنَا فَتَدَلَّىٰ (8) فَكَانَ قَابَ قَوْسَيْنِ أَوْ أَدْنَىٰ (9) فَأَوْحَىٰ إِلَىٰ عَبْدِهِ مَا أَوْحَىٰ (10) مَا كَذَبَ الْفُؤَادُ مَا رَأَىٰ (11) أَفَتُمَارُونَهُ عَلَىٰ مَا يَرَىٰ {12} وَلَقَدْ رَآهُ نَزْلَةً أُخْرَىٰ {13} عِنْدَ سِدْرَةِ الْمُنْتَهَىٰ {14} عِنْدَهَا جَنَّةُ الْمَأْوَىٰ {15} إِذْ يَغْشَى السِّدْرَةَ مَا يَغْشَىٰ {16} مَا زَآعَ الْبَصَرُ وَمَا طَغَىٰ {17} لَقَدْ رَأَىٰ مِنْ آيَاتِ رَبِّهِ الْكُبْرَىٰ {18}

1-18 "By the declining star. Your companion is not in error nor has he gone astray. He does not speak out of his own desire. It is a revelation which has been revealed to him and taught to him by the Great Mighty One, the Strong One who appeared on **the uppermost horizon**. He then came **nearer and nearer**, until he was as close to Him as the distance of two bows, or even less. He revealed to Allah's servant whatever He wanted. His (Muhammad's) heart did not lie to him about what his eyes had seen. Will you then argue with him about what he saw? He certainly saw Him during **his other ascent to the Lote-tree near which is Paradise**. When the tree was covered with a covering, (Muhammad's) eyes did not deceive him, nor did they lead him to falsehood. He certainly saw the greatest (signs) of the existence of his Lord. "

In the long hadith also It has been narrated from 'Ali ibn Ibrahim al-Qummi that Imam Ja'far ibn Muhammad al-Sadiq had said the story of travel to the seventh universe in the book " Bihar al-Anwar, Vol. 18"

And that the prophet muhammad met in each universe one or more prophets in a timeless space. because we know that the farther away you are from the earth's surface the faster the time runs compared to the time on the surface of the earth. This effect was expressed clearly in the verse number 47 surah Al-Haj:

"وَيَسْتَعْجِلُونَكَ بِالْعَذَابِ وَلَنْ يُخْلِفَ اللَّهُ وَعْدَهُ وَإِنَّ يَوْمًا عِنْدَ رَبِّكَ كَأَلْفِ سَنَةٍ مِّمَّا تَعُدُّونَ"

"And they urge you to hasten the punishment. But Allah will never fail in His promise. And indeed, a day with your Lord is like a thousand years of those which you count."

This verse is about time change from universe 1 (earth universe"السَّمَاءَ الدُّنْيَا") to universe 2 then 3 up till universe 7, and we mean by universe the heaven which are 7 heavens in total.

The travel of Mi'raj is not what I mean by orbits travels. The orbits that I deduced from verse 29 surah Al-Baqara are 6 and each universe travel through them in **horizontal direction in spiral motion**. (as I will show in my graph). But the travel of the prophet was vertically from universe to another.

I can postulate from the code 142857 that :

- Digit 1 is the first orbit level "1" ;
- Digit 4 is the second orbit level "2" ;
- Digit 2 is the third orbit level "3";
- Digit 8 is the fourth orbit level "4" ;
- Digit 5 is the fifth orbit level "5";
- Digit 7 is the sixth orbit level "6".

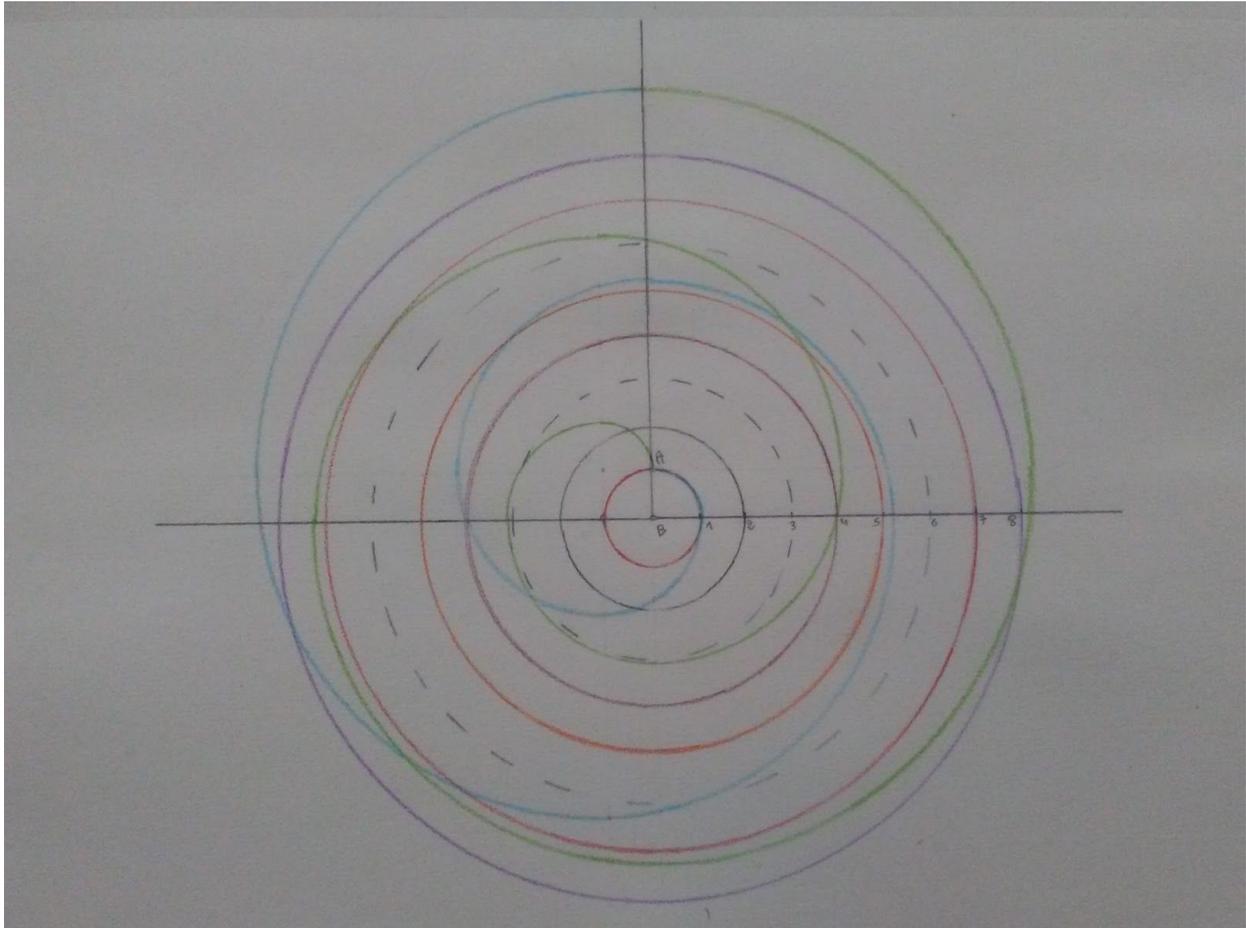
Each level can be represented by a circle with longer parameter that has a point center the number 0 on number line and a radius.

As moving vertically through universes make time run faster, so is moving horizontally through orbits because when our universe (the first one #1) leaves its orbit, the direction, the distance and the velocity would change and thus the time.

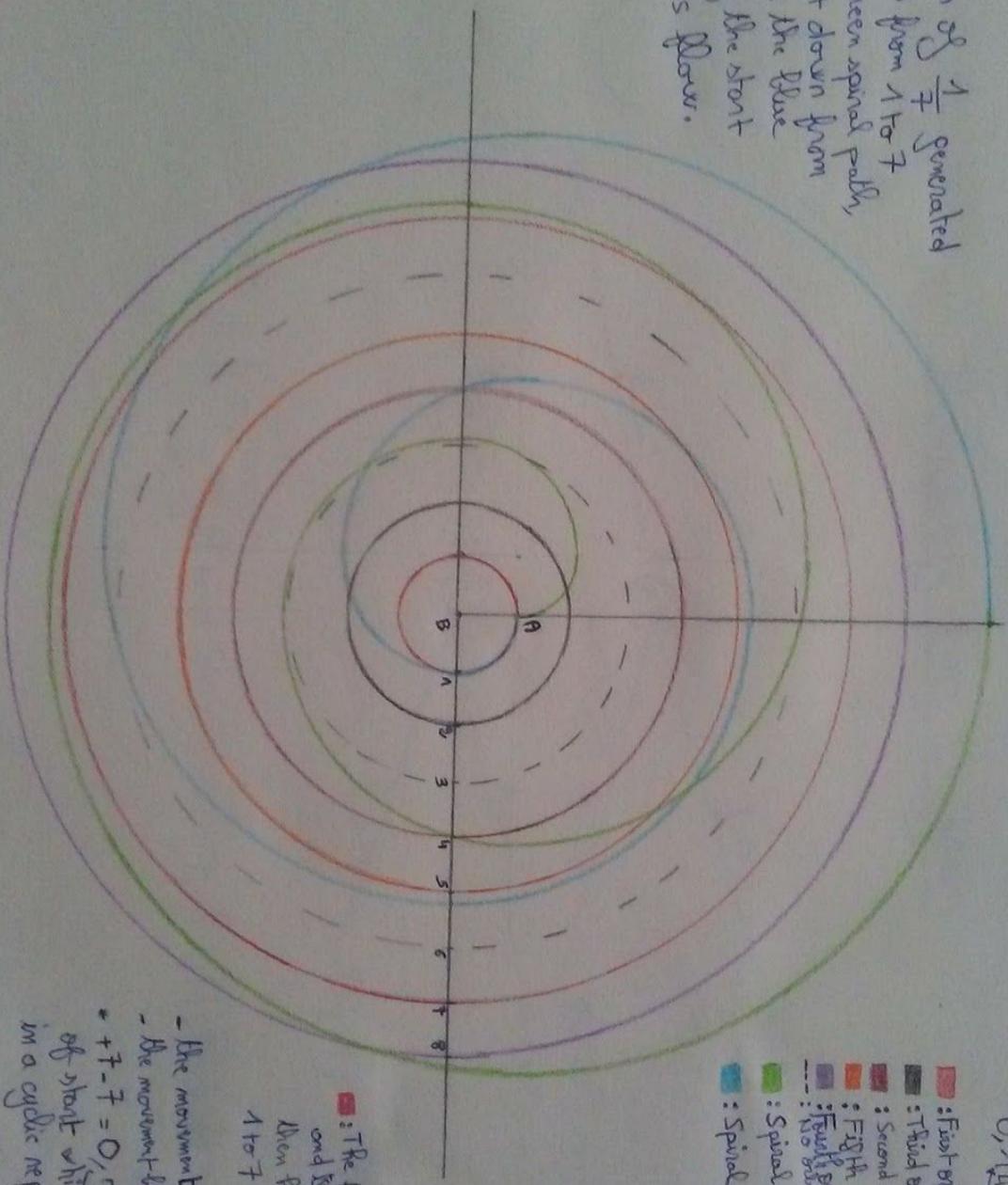
The truth of existence of different times depending on speed and spaces inspired many scientist who read the Quran and formulated these verses in scientific theories without saying anything about the Quran as its origin.

The idea of many orbits with different parameters and diameters and areas generates different times flowing according to each motion (speed through distance) of each universe.

My following graph represent my idea :



The division of $\frac{1}{7}$ generated a movement up from 1 to 7 through the green spiral path, then a movement down from 7 to 1 through the blue path producing the start of time and its flow.

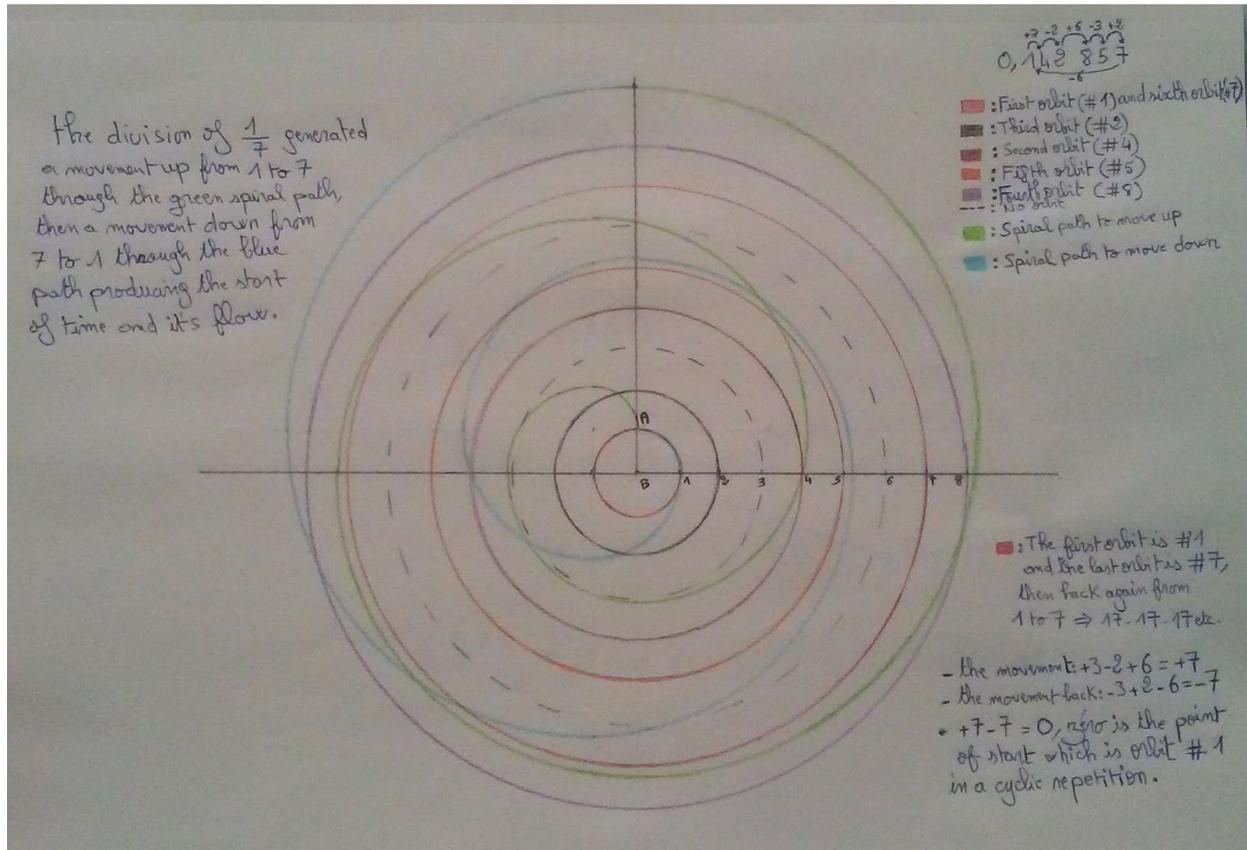


0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

- : First orbit (#1) and sixth orbit (#7)
- : Third orbit (#3)
- : Second orbit (#2)
- : Fourth orbit (#4)
- : Fifth orbit (#5)
- : Seventh orbit (#7)
- : No orbit
- : Spiral path to move up
- : Spiral path to move down

■ The first orbit is #1 and the last orbit is #7, then back again from 1 to 7 => 17-17 17 or.

- The movement: +3-2+6 = +7
 - The movement back: -3+2-6 = -7
 +7-7 = 0, zero is the point of start which is orbit #1 in a cyclic repetition.



This graph explains the movement of each universe according to the cyclic decimal 0,142857 starting by orbiting the orbit number 1 then when the universe arrives to the point of intersection of orbit 1 and the green spiral, it takes that path to move up (+3 levels of orbit: here we don't consider the circle that goes through point 3 on number line as an orbit because the universe does not make revolution on that circumference, but we count it as a level of spiral movement down) to the second orbit which is number 4 (I don't know how many revolution the universe makes on each orbit), then when it arrives to the intersection point of orbit number 4 and blue spiral it takes that path to move down to the third orbit which is number 2 (-2 levels in spiral movement down) then when it arrives to the point of intersection of orbit number 2 and the green spiral it takes that path to go up to orbit number 8 (+6 levels in spiral movement up). Here we have to note that level 6 on number line is not an orbit.

Then the universe takes the point of intersection of orbit 8 and the blue spiral and moves down (-3 levels in spiral movement down) to the orbit number 5, then when it arrives to intersection of orbit number 5 and the green spiral it moves up (+2 levels in spiral movement up) to the last orbit number 7, then when it arrives to the intersection of orbit 7 and blue spiral it moves all the

way down (-6 levels in spiral movement down) till the first orbit number 1, the orbit of start point.

These movement are continuous non stop because the decimal 0,142857 does not stop.

By this interpretation we reach the end of theses holy verses of the holy Quran, then we move to another verse which seems related to all the previous interpretation.

Chapter II-
The seven good years
followed by seven bad years.

Pharaoh (Approximately around 1500 BBC,3500 years far back from 2020) had two dreams and the prophet Joseph (Peace be upon him) explained them. Seven fat cows were 'eaten' by seven lean cows that came after them.

Then seven heads of grain were full but nothing was left after seven thin heads of grain.

Joseph (pbuh) explained Pharaoh's dream as seven good years followed by seven years of famine and advised Pharaoh so wisely that Pharaoh appointed Joseph as prime minister to store the grain. Joseph saved Egypt.

The Pharaoh's dream of seven fat cows being devoured by seven lean cows was interpreted that after seven good years of crop harvesting, seven bad years would follow. The description of the seven good years is known as the Joseph Effect, while the seven bad years is known as The Noah Effect. Interestingly, the seven-year cycle is commonly found in modern economic analysis as a predictor of recession timing.

This event is related in verses 47, 48 ,49 of Surah Yusuf "Joseph":

" قَالَ تَزْرَعُونَ سَبْعَ سِنِينَ دَابًّا فَمَا حَصَدْتُمْ فَذَرُوهُ فِي سُنْبُلِهِ إِلَّا قَلِيلًا مِمَّا تَأْكُلُونَ " (47)

47-[Joseph] said, "You will plant for **seven years** consecutively; and what you harvest leave in its spikes, except a little from which you will eat."

" ثُمَّ يَأْتِي مِنْ بَعْدِ ذَلِكَ سَبْعَ شِدَادٍ يَأْكُلْنَ مَا قَدَّمْتُمْ لَهُنَّ إِلَّا قَلِيلًا مِمَّا تُحْصِنُونَ " (48)

48- "Then will come after that **seven difficult [years]** which will consume what you saved for them, except a little from which you will store."

" ثُمَّ يَأْتِي مِنْ بَعْدِ ذَلِكَ عَامٌ فِيهِ يُغَاثُ النَّاسُ وَفِيهِ يُعْصِرُونَ " (49)

49- "Then will come after that a year in which the people will be given rain and in which they will press [olives and grapes]."

This event was so mysterious that no one could predict it and the only person who could see it coming was the prophet Joseph (pbuh).

My focus will not be on the economic effect of the event but my question is : was the event miraculous because it broke the physical law or was it miraculous because the prophet Joseph had that strange power to interpret dreams and predict fatal events ?

I think that the answer is that the physical event is not unnatural but it's a natural change on earth and environment in the first universe where the earth is located.

I recognize that the event is not normal and very difficult to predict and need very special person as prophet to know that it's going to happen for sure despite its low probability.

Am going to try to prove that the event of 7 good years followed by 7 bad years is natural process by calculating its theoretical probability using mathematical probability theory.

I- The probability of the event

We use probability to describe uncertain events. When you accidentally drop a coin, you don't know if it's going to fall with the head side facing upwards or downwards. When your favourite sports team plays a game, you don't know whether they will win or not. When the weatherman says that there is a 25% chance of rain tomorrow, you may or may not end up getting wet. Uncertainty presents itself to some degree in every event that occurs around us and in every decision that we make.

I will show in this chapter the event of 7 good years followed by 7 bad years that this uncertain event can be described using the rules of probability theory and that we can make definite conclusions about this uncertain process.

Let's make some concepts of the probability theory clear first:

- **Definition of experiment** : An experiment refers to an uncertain process.

- **Definition of outcome:** An outcome of an experiment is a single result of that experiment.

let's give examples:

Experiment 1: A coin is tossed and it lands with either heads (H) or tails (T) facing upwards. An example outcome of tossing a coin is that it lands with heads facing up: H

Experiment 2 : Agriculture is the science and art of cultivating plants and livestock. Every cycle of year you work hard the agriculture on your land using all techniques and you wait for the rain with uncertainty what the result would be. An example outcome of this experiment is that the harvest would be inferior to your yearly need, negative result (-)

1- Some definitions

A- Sample space

The sample space of an experiment is the set of all possible outcomes of that experiment. The sample space is denoted with the symbol S and the size of the sample space (the total number of possible outcomes) is denoted with $n(S)$.

Even though we are usually interested in the outcome of an experiment, we also need to know what the other outcomes could have been. Let's have a look at the sample spaces of each of our two previous experiments.

Experiment 1: Since a coin can land in one of only two ways (we will ignore the possibility that the coin lands on its edge), the sample space is the set $S = \{H; T\}$. The size of the sample space of the coin toss is $n(S) = 2$: H or T

Experiment 2: The result of working hard the agriculture land in order to have +7 (7 profitable years) followed by -7 (7 deficit years) are 4 possible outcomes.

In this experiment the sample space of all possible outcomes is the set $S = \{+7; -7\}$. **The size of the sample space of the agriculture is $n(S) = 4$:**

You can get : +7/-7
+7/+7

-7/-7

-7/+7

Some may think that agriculture result can in one given year be neither positive nor negative but just equal (expenses = revenue), but I think that there is no year when you can get from a business activity expenses exactly equal to revenue.

I think that there would be only two situation the first when your expenses exceeds $>$ your revenue and that is called LOSS ; or when your revenue exceeds $>$ your expenses and that is called PROFIT. Profit and loss are calculated as total revenue less total expenses.

NOTE: When we represent a sample space containing real numbers we can either write out all the outcomes in the sample space: $\{1; 2; 3; 4; 5; 6; 7; 8; 9; 10\}$ or we can represent the sample space as: $\{n : n \in \mathbb{Z}, 1 \leq n \leq 10\}$.

B- An event

An event is a specific set of outcomes of an experiment that you are interested in. An event is denoted with the letter E and the number of outcomes in the event with $n(E)$.

Experiment 1: Let us say that we would like the coin to land heads up. Here the event contains a single outcome: $E = \{H\}$. The size of the event set is $n(E) = 1$.

Experiment 2: Let us say that we are interested in the profit (+) for the first seven years and loss(-) for the second seven years; here the event contains one outcome: $E = \{\text{combination of 2 subevents A (+7) and B (-7)}\}$. The size of this compound event set is $n(E) = 1$.

2- Theoretical probability

A probability is a real number between 0 and 1 that describes how likely it is that an event will occur. We can describe probabilities in three ways:

1. As a real number between 0 and 1. For example 0,75;
2. As a percentage. For example 0,75 can be written as 75%;
3. As a fraction. For example 0,75 can also be written as $\frac{3}{4}$;

We note the following about probabilities:

After we get these probability : 25% for all cases equally : 25% for +7/-7 to occur , 25% for +7/+7 to occur , 25% for -7/-7 to occur and 25% for -7/+7 to occur; we can say that all the four combinations has the same probability to occur.

Hence, the event +7/-7 that occurred in the time of the prophet josph (peace be upon him) could be anyone of the possible 4 combinations. It could be -7/-7 or -7/+7 or +7/+7.

My conclusion is that this probability means that the event may have happened before Pharaoh's era or can happen again in the future with prediction of 25%.

The event of 7 positive years followed by 7 negative years happened and the possibility of the other three (-7/-7 or -7/+7 or +7/+7) possible outcomes to happen also can be explained by the previous chapter analysis.

The previous chapter analysis was about dividing the 1 basic universe $\div 7$ and obtaining 7 equal parts of universes (7 heavens), each one is 0,142857. Each universe is moving through the 6 orbits (142857) as graphed.

II- Interpretation of the event

The interpretation of the event might seem strange but logical and in harmony with the travel of the first universe through orbits.

The interpretation is not impossible but it's not testable by experiment till we get the ability to look outside our universe (first heaven) through the black hole that is the exit to the second universe. We actually live inside the first universe (as closed cabinet) that we can not observe its movement until we do it from outside. Until we can build a spaceship that travels through the black hole to get out of our universe and visit the second one, we remain unable to observe it from outside.

The universe is closed room with no windows as god almighty said in verse 6 of surah Qaf:

" أَفَلَمْ يَنْظُرُوا إِلَى السَّمَاءِ فَوْقَهُمْ كَيْفَ بَنَيْنَاهَا وَزَيَّنَّاهَا وَمَا لَهَا مِنْ فُرُوجٍ "

6-"Have they not looked at the heaven above them - how We structured it and adorned it and [how] it has no rifts?"

My conclusion of the story of 7 consecutive years of positive earth production (spikes in the verse) followed by 7 consecutive years of negative earth production is nothing than 1 positive year duplicated 7 times followed by 1 negative year duplicated 7 times because of the velocity of the travel of our universe through the 6 orbits (going and returning).

The explanation looks like science fiction but it's not actually, and has scientific reality basis.

We all know that the expansion of the universe causes distant galaxies to recede from us faster than the speed of light, if proper distance and cosmological time are used to calculate the speeds of these galaxies.

Velocity is a local notion, so velocity calculated using comoving coordinates does not have any simple relation to velocity calculated locally.

The rule that relative velocities can not increase past the speed of light, do not apply to relative velocities in comoving coordinates, which are often described in terms of the "expansion of space" between galaxies. This expansion rate is thought to have been at its peak during the inflationary epoch thought to have occurred in a tiny fraction of the second after the Big Bang (models suggest the period would have been from around 10^{-36} seconds after the Big Bang to around 10^{-33} seconds), when the universe may have rapidly expanded by a factor of around 10^{20} to 10^{30} .

There are many galaxies visible in telescopes with red shift numbers of 1.4 or higher. All of these are currently traveling away from us at speeds greater than the speed of light. Because the Hubble parameter is decreasing with time, there can actually be cases where a galaxy that is receding from us faster than light does manage to emit a signal which reaches us eventually.

However, because the expansion of the universe is accelerating, it is projected that most galaxies will eventually cross a type of cosmological event horizon where any light they emit past that point will never be able to reach us at any time in the infinite future, because the light never reaches a point where its "peculiar velocity" towards us exceeds the expansion velocity away from us.

I return back to the even of 7 years and I will explain it by giving an example that shows how the probability 25% of +7/-7 , 25% of +7/+7, 25% of -7/-7 and the 25% of -7/+7 can occur to figure out what happened in Pharaoh's kingdom (approximately around 1500 BBC, 3500 years far back from 2020).

I will divide the analysis into tow parts:

1-Travel of departure at the speed of light

The total departure travel is done from orbit 1 to orbit 8. During this travel the universe makes 7 levels of movement:

- Travel from orbit 1 to 4 (+3 movements up)
- Then back from orbit 4 to orbit 2 (-2 movements down)
- Then forward from orbit 2 to orbit 8 (+6 movements up).

Total of movements : $3 - 2 + 6 = 7$

If our universe where the earth and sun and the other planets of the galaxies and clusters (first heaven) leaves orbit 1 in **the speed of light** to travel till the orbit 8, **the universe time stopps and the universe keep the same age of departure Which it means that all planets ages stop in the year of departure**. This does not mean that age of humans living on earth stops also because the earth continue to rotate and to orbit the barycenter. "the center of mass of our solar system very close to the Sun itself, but not exactly at the Sun's center."

The Earth, Sun and all the planets continue orbiting around the center of mass of the solar system and humans continue to grow in age and they live normal with no feeling of that travel except the earth agriculture production.

Since the age of the earth stops in the year of departure and the earth continue to rotate and orbit the sun, then there are two times:

- Time produced by earth rotating its axis and orbiting the sun. This time cause humans to grow.
- Time produced by universe orbiting all the 6 orbits. This time effect the age of the earth and other planets depending on the velocity of the orbiting.

In our case of egypt, years on earth continued to run for humans but in the reality it's the **same 1 year that preceded the second of the departure. That previous year was frozen and was repeated 7 times because the universe quitted its orbit 1 in speed of light "c". That previous year will be frozen until the travel reaches the orbit 8.**

My following example will make it clear to readers :

Exp : in 2020 Egypt is having good agriculture production (+1) but tunisia is having bad production (-1) and in december 31, 2020 at 23:59 our universe leaves the orbit #1 (original orbit) at speed of light for a trip that is going to last 7 earth years to go (7 revolution of the earth around the sun). The universe time and planets and earth ages stop in 2020, if the earth was aged 20 years old then she will continue to rotate and orbit the barycenter during this trip of 7 years at the same age without getting older and the year of departure will be duplicated 7 times during the 7 revolutions of the earth around the sun (barycenter precisely). This means that the production of egypt +1 will be repeated the same the next 7 earth years to be +7 and the production of tunisia -1 will be repeated 7 times also to be -7.

I call this "**Universe orbiting effect**" that touches all planets and galaxies inside the universe.

Now we can understand how a country can have seven consecutive good agriculture productions and another can have seven consecutive negative agriculture productions.

This analysis supposes that the universe travel in speed of light from orbit 1 to orbit 8 in seven earth years (7 earth revolution around the sun). Traveling at speed of light stops the time.

2- Travel of return at the speed transcending the speed of light

The total return back travel is done from orbit 8 to orbit 1. During this travel the universe makes again 7 levels of movement:

- Travel from orbit 8 to 5 (-3 movements down)
- Then backward from orbit 5 to orbit 7 (+2 movements up)
- Then forward from orbit 7 to orbit 1 (-6 movements down).

Total of movements : $-3 + 2 - 6 = -7$

This travel also last 7 earth years (7 revolutions of the earth around the sun) on a speed faster than the light which it presumes a longer distance than the distance done in the departure trip.

The travel faster than the light has a consequence on the earth is that the time universe goes back to the past and so does the time and age of the earth (and all planets inside the universe).

Here I continue with the same example:

Earth within universe 1 trip arrived to the orbit 8 realising this :

- 7 positive productions years for egypt (the positive year 2020 of departure duplicated 7 times);
- 7 negative production years for tunisia (the negative year 2020 of departure duplicated 7 times);

Now, earth within universe 1, will travel back to original orbit 1.

Since this trip faster than light so it reduces the age of the earth less than 2020, it's a travel to the past time of the earth.

This travel to past will bring earth to younger age before 2020.

- We suppose : The trip to the past reaches 2010 and the speed of the universe remained constant in that year of 2010 (at speed = speed of light);
- We suppose : In the 2010 year, in egypt the earth-land production was negative.
- Result : 2010 year will be duplicated 7 times during the whole trip of 7 earth revolutions around the sun. Egypt will go through 7 negative land agriculture production.

This explanation shows that the whole trip going-returning for egypt was +7 going/-7 returning.

For tunisia, if its production of 2010 was positive then the trip of going-return of the universe will realise -7 going/+7 returning.

Once arrived to orbit 1 the universe reset its speed to the original one and the earth continues to grow in its age. If it left in 2020 at age of 20 years old then it comes back after the whole trip of 10 years.

Actually this bizarre event that prophet joseph (pbuh) predicted for 100% with his superpower given by god to him , in my point of view is predictable for regular humans with probability of 25% for each combination. This phenomenon is the result of the interference of two different

times in action : Proper time of the earth around the sun and proper time of the universe around its orbits.

Important to note that this event when it occurs it affects all planets and stars and is possible to occur again in the future on earth.

This is the interpretation that I deducted from the data available based on my analysis and my development over the verse 29 surah Al-Baqara. One day the technology and experiments will refute or confirm it.

The noble Quran is full of verses that have mathematical meaning and aspects that are very intriguing and in next part, I will analyse another aspect which is very original.

Chapter III The reward function

surah Al-An'am verse 160:

"مَنْ جَاءَ بِالْحَسَنَةِ فَلَهُ عَشْرُ أَمْثَالِهَا وَمَنْ جَاءَ بِالسَّيِّئَةِ فَلَا يُجْزَى إِلَّا مِثْلَهَا وَهُمْ لَا يُظْلَمُونَ"

160-"Whoever comes [on the Day of Judgement] with a good deed will have ten times the like thereof [to his credit], and whoever comes with an evil deed will not be recompensed except the like thereof; and they will not be wronged."

From this verse we can create a function that can be programmed in an application by computer science engineers to be downloaded on our mobile phone. This application can keep a record of all our daily actions and in the end of the day we can do as Imam Omar Bin al-Khattab May Allah Reward him said:

"حاسبوا أنفسكم قبل أن تحاسبوا، وزنوا أنفسكم قبل أن توزنوا"

"Judge yourselves before you are judged, weigh your deeds before they are weighed for you"

It is easier for you on judgment day tomorrow, to judge and prepare yourselves today.

Every time you do one positive deed you enter number 1 in a variable X of the function and in case you do one negative deed you enter number 1 in variable Y and that will give you a result Z which is your total balance in the end of the day.

The two variables function is not going to be perfectly reflecting your account by the end of the day because it does not cover the intentions that are rewarded also according to the following hadith recorded in the Sahîh d'Al-Bukhârî , muslim and An-Nasa'i. The prophet (pbuh) said:

"إِنَّ رَبَّكُمْ عَزَّ وَجَلَّ رَجِيمٌ مَنْ هَمَّ بِحَسَنَةٍ فَلَمْ يَعْمَلْهَا كُتِبَتْ لَهُ حَسَنَةٌ فَإِنْ عَمَلَهَا كُتِبَتْ لَهُ عَشْرًا إِلَى سَبْعِمِائَةٍ إِلَى أضعافٍ كَثِيرَةٍ. وَمَنْ هَمَّ بِسَيِّئَةٍ فَلَمْ يَعْمَلْهَا كُتِبَتْ لَهُ حَسَنَةٌ فَإِنْ عَمَلَهَا كُتِبَتْ لَهُ وَاحِدَةٌ أَوْ يَمْحُوهَا اللَّهُ عَزَّ وَجَلَّ وَلَا يَهْلِكُ عَلَى اللَّهِ إِلَّا هَالِكٌ"

"Your Lord is Most Merciful. Whoever intends to perform a good deed and does not do it, it will be written for him as a good deed. If he performs it, it will be written for him as ten deeds, to seven hundred, to multifold. Whoever intends to commit an evil deed, but does not do it, it will

be written for him as a good deed. If he commits it, it will be written for him as a sin, unless Allah erases it. Only those who deserve destruction will be destroyed by Allah."

But my function could truly calculate by the end of the day in good accurate way your account result and shows you if it is credited or debited and that with a graphic representation.

I- Terms of the function

Actually I noticed that the graph of three axis (X,Y,Z) ,as I will present later, contains two lines result that bizarrely are in harmony with the following verses of surah El-Waqi-ah 27 and 41:

" وَأَصْحَابُ الْيَمِينِ مَا أَصْحَابُ الْيَمِينِ "

27-"The companions of the **right** - what are the companions of the right?"

" وَأَصْحَابُ الشَّمَالِ مَا أَصْحَابُ الشَّمَالِ "

41-"And the companions of the **left** - what are the companions of the left?"

A function relates an input to an output. It is like a machine that has an input and an output. The output is related somehow to the input. There are always three main parts:

The input

The relationship

The output

$f(x) = x^2$ shows us that function "f" takes "x" and squares it.

Example: with $f(x) = x^2$

An input of 4 becomes an output of 16. In fact we can write $f(4)=16$

My function is : $F(x,y) = Z$

$$Z = 10x - y$$

As you get rewarded for each good deed (x) as 10 times then the operation is 10x. And as you are rewarded for each bad deed (y) likewise then the operation is -1y which is -y.

Then you subtract -y from 10x to get Z :

$$10x - y = Z.$$

In the end of the day you can take a look on your graph on your application on your cell phone and you surveil your graph result. A positive +Z number means your good deeds $x > y$ but a negative -Z number means your good deeds $x < y$.

The larger your Z number is, the more your graphic line will be on the **right** side of the Z vertical line in the graph and if your Z number is getting more negative the more you see your graphic line farther on the **left** of the Z vertical line.

And that confirms the following verses of surah el-Waqi-ah 27 and 41:

" وَأَصْحَابُ الْيَمِينِ مَا أَصْحَابُ الْيَمِينِ "

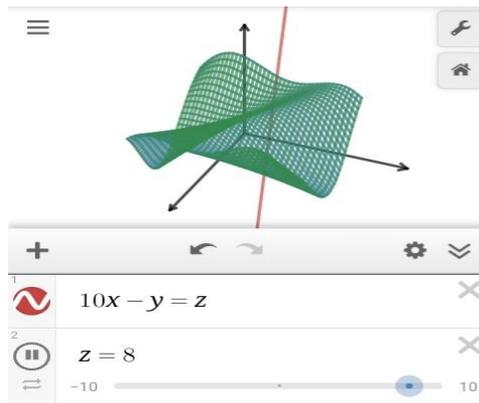
27-"The companions of the right - what are the companions of the right?"

" وَأَصْحَابُ الشَّمَالِ مَا أَصْحَابُ الشَّمَالِ "

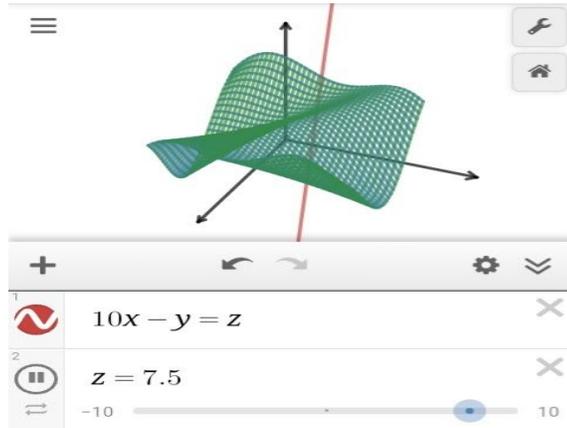
41-"And the companions of the left - what are the companions of the left?"

These 7 graphs show what I said above:

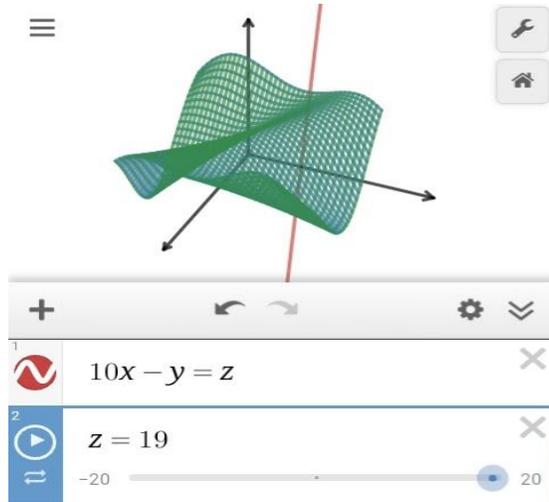
II- Graphic representation



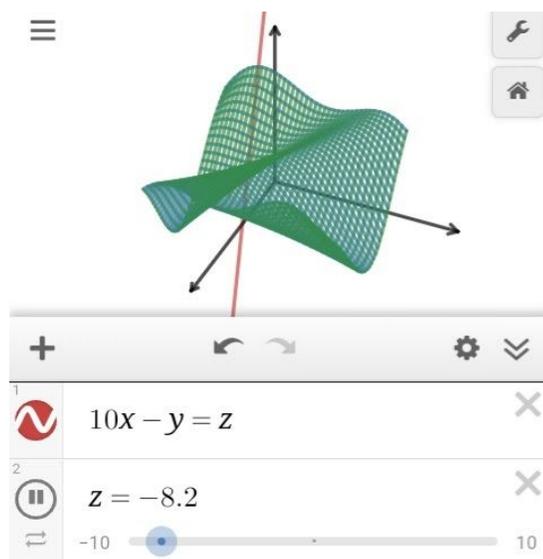
The companions of the right أَصْحَابُ الْيَمِينِ



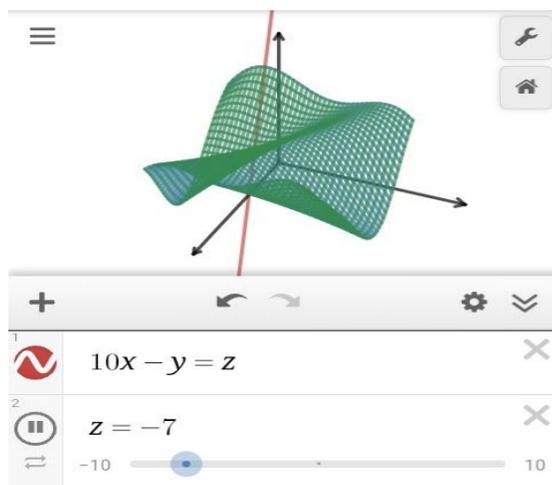
أَصْحَابُ الْيَمِينِ The companions of the right



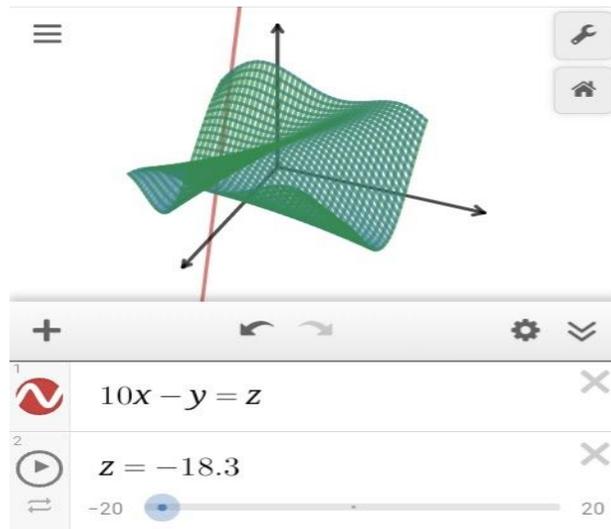
أَصْحَابُ الْيَمِينِ The companions of the right



And the companions of the left أَصْحَابُ الشَّمَالِ

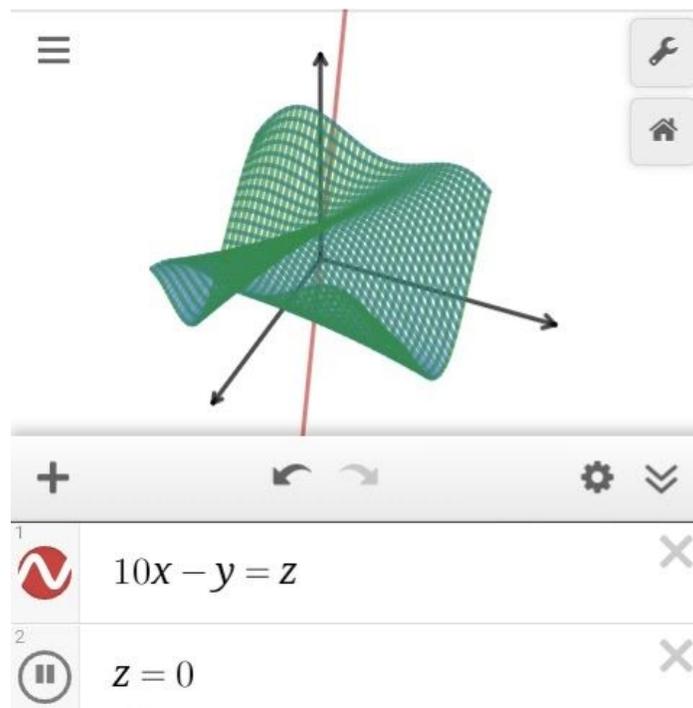


And the companions of the left أَصْحَابُ الشَّمَالِ



أَصْحَابُ الشَّمَالِ the companions of the left

Then, the last case is when your positive deeds are equal = your negative deeds ,so your account is : $Z = 0$.



The function I have just studied is the basic general one for the reward system of the Quran. There are others like in special cases in unlimited number and one example is the function of verse 261 Surah Al-Baqara :

"مَثَلُ الَّذِينَ يُنْفِقُونَ أَمْوَالَهُمْ فِي سَبِيلِ اللَّهِ كَمَثَلِ حَبَّةٍ أَنْبَتَتْ سَبْعَ سَنَابِلَ فِي كُلِّ سُنبُلَةٍ مِائَةٌ حَبًّا ۗ وَاللَّهُ يُضَاعِفُ لِمَنْ يَشَاءُ ۗ وَاللَّهُ وَاسِعٌ عَلِيمٌ"

261-"The example of those who spend their wealth in the way of Allah is like a seed [of grain] which grows seven spikes; in each spike is a hundred grains. And Allah multiplies [His reward] for whom He wills. And Allah is all-Encompassing and Knowing."

$$f(x) = z$$

$$7x \times 100 = z$$

x = Seed of grain (the variable)

7 = Grows seven spikes

100 = In each spike is a hundred grains

In the verse it seems that reward can vary according to that function to whom he wants but it can also be interpreted as much as he wants which it means non numbrable unknown functions of special cases according to intentions also.

Chapter IV

The force of attraction and time arrow

This subject was studied by many muslim and non muslim scientists and many books were written on it with divergent points of view.

I will look on the subject differently using three events that I think are related and represent the same phenomenon :

First event is verse 259 surah Al-Baqara:

"أَوْ كَالَّذِي مَرَّ عَلَى قَرْيَةٍ وَهِيَ خَاوِيَةٌ عَلَى عُرُوشِهَا قَالَ أَنَّى يُحْيِي هَذِهِ اللَّهُ بَعْدَ مَوْتِهَا فَأَمَاتَهُ اللَّهُ مِائَةَ عَامٍ ثُمَّ بَعَثَهُ قَالَ كَمْ لَبِثْتَ قَالَ لَبِثْتُ يَوْمًا أَوْ بَعْضَ يَوْمٍ قَالَ بَلْ لَبِثْتَ مِائَةَ عَامٍ فَانظُرْ إِلَى طَعَامِكَ وَشَرَابِكَ لَمْ يَتَسَنَّهْ وَانظُرْ إِلَى جَمْرِكَ وَاجْعَلْ آيَةً لِلنَّاسِ وَانظُرْ إِلَى الْعِظَامِ كَيْفَ نُنشِزُهَا ثُمَّ نَكْسُوهَا لَحْمًا فَلَمَّا تَبَيَّنَ لَهُ قَالَ أَعْلَمُ أَنَّ اللَّهَ عَلَى كُلِّ شَيْءٍ قَدِيرٌ"

"Or [consider such an example] as the one who passed by a township which had fallen into ruin. He said, "How will Allah bring this to life after its death?" So Allah caused him to **die for a hundred years**; then He revived him. He said, "How long have you remained?" The man said, "I have remained **a day or part of a day**." He said, "Rather, you have remained one hundred years. Look at your **food** and your **drink**; it has not changed with time. And look at your **donkey**; and We will make you a sign for the people. And look at the bones [of this donkey] how We raise them and then We cover them with flesh." And when it became clear to him, he said, "I know that Allah is over all things competent."

The second event is verses 16-26 surah El-kahf :

وَإِذِ اعْتَزَلْتُمُوهُمْ وَمَا يُعْبُدُونَ إِلَّا اللَّهَ فَأَوْوَا إِلَى الْكَهْفِ يَنْشُرْ لَكُمْ رَبُّكُمْ مِّن رَّحْمَتِهِ وَيَهَيِّئْ لَكُمْ مِّنْ أَمْرِكُمْ مَرْفَقًا (16) وَتَرَى السَّمَاسَ إِذَا طَلَعَتْ تَزَاوَرُ عَن كَهْفِهِمْ ذَاتَ الْيَمِينِ وَإِذَا غَرَبَتْ تَقَرَّبُ مِنْهُمْ ذَاتَ الشَّمَالِ وَهُمْ فِي فَجْوَةٍ مِّنْهُ ذَلِكَ مِنْ آيَاتِ اللَّهِ لَعَلَّ النَّاسَ يَحْكُمُونَ اللَّهُ فَهُوَ الْمُهَيْتُ وَمَنْ يُضِلِلْ فَلَنْ تَجِدَ لَهُ وَلِيًّا مُّرْسِدًا (17) وَتَحْسَبُهُمْ أَيْقَاظًا وَهُمْ رُقُودٌ وَنُقَلِّبُهُمْ ذَاتَ الْيَمِينِ وَذَاتَ الشَّمَالِ وَكَلْبُهُمْ بَاسِطٌ ذِرَاعَيْهِ بِالْوَصِيدِ لَوِ اطَّلَعْتَ عَلَيْهِمْ لَوَلَّيْتَ مِنْهُمْ فِرَارًا وَلَمُلَمِّتْ مِنْهُمْ رُعْبًا (18) وَكَذَلِكَ بَعَثْنَاهُمْ لِيَتَسَاءَلُوا بَيْنَهُمْ قَالَ قَائِلٌ مِّنْهُمْ كَمْ لَبِثْتُمْ قَالُوا لَبِثْنَا يَوْمًا أَوْ بَعْضَ يَوْمٍ قَالُوا رَبُّكُمْ أَعْلَمُ بِمَا لَبِثْتُمْ فَابْعَثُوا أَحَدَكُمْ بِوَرِقِكُمْ مِنْهُ إِلَى الْمَدِينَةِ فَلْيَنْظُرْ أَيُّهَا أَزْكَى طَعَامًا فَلْيَأْتِكُمْ بِرِزْقٍ مِنْهُ وَلْيَتَلَطَّفْ وَلَا يُشْعِرَنَّ بِكُمْ أَحَدًا (19) إِنَّهُمْ إِنْ يَظْهَرُوا عَلَيْكُمْ يَرْجُمُوكُمْ أَوْ يُعِيدُوكُمْ فِي مِلَّتِهِمْ وَلَنْ تُفْلِحُوا إِذَا أَبَدًا (20) وَكَذَلِكَ أَعَزَّنَا عَلَيْهِمْ لِيَعْلَمُوا أَنَّ وَعْدَ اللَّهِ حَقٌّ وَأَنَّ السَّاعَةَ لَا رَيْبَ فِيهَا إِذْ يَتَنَازَعُونَ بَيْنَهُمْ أَمْرَهُمْ فَقَالُوا ابْنُوا عَلَيْهِم بُنْيَانًا رَبُّهُمْ أَعْلَمُ بِهِمْ قَالَ الَّذِينَ غَلَبُوا عَلَىٰ أَمْرِهِمْ لَنَتَّخِذَنَّ عَلَيْهِم مَّسْجِدًا (21) سَيَقُولُونَ ثَلَاثَةٌ رَّابِعُهُمْ كَلْبُهُمْ وَيَقُولُونَ خَمْسَةٌ سَادِسُهُمْ كَلْبُهُمْ رَجْمًا بِالْغَيْبِ وَيَقُولُونَ سَبْعَةٌ وَتَأْمِنُهُمْ كَلْبُهُمْ قُلْ رَبِّي أَعْلَمُ بِعَدَّتِهِمْ مَّا يَعْلَمُهُمْ إِلَّا قَلِيلٌ فَلَا تَمَارٍ فِيهِمْ إِلَّا مِرَاءً ظَاهِرًا وَلَا تَسْتَنَفِتِ فِيهِمْ مِنْهُمْ أَحَدًا (22) وَلَا تَقُولَنَّ لِسِيءِ إِيَّايَ فَاعِلٌ ذَلِكَ غَدًا (23) إِلَّا أَنْ يَشَاءَ اللَّهُ وَادْكُرْ رَبَّكَ إِذَا نَسِيتَ وَقُلْ

عَسَىٰ أَنْ يَهْدِيَنَّ رَبِّي لِأَقْرَبٍ مِنْ هَذَا رَشَدًا (24) وَلَبِثُوا فِي كَهْفِهِمْ ثَلَاثَ مِائَةٍ سِنِينَ وَازْدَادُوا تِسْعًا (25) قُلِ اللَّهُ أَعْلَمُ بِمَا لَبِثُوا لَهُ غَيْبُ السَّمَاوَاتِ وَالْأَرْضِ ۖ أَبْصِرْ بِهِ وَأَسْمِعْ مَا لَهُمْ مِنْ دُونِهِ مِنْ وَلِيٍّ وَلَا يُشْرِكُ فِي حُكْمِهِ أَحَدًا (26).

16- "[The youths said to one another], "And when you have withdrawn from them and that which they worship other than Allah, retreat to the cave. Your Lord will spread out for you of His mercy and will prepare for you from your affair facility."

17-"And [had you been present], you would see the sun when it rose, inclining away from their cave on the right, and when it set, passing away from them on the left, while they were [laying] within an open space thereof. That was from the signs of Allah . He whom Allah guides is the [rightly] guided, but he whom He leaves astray - never will you find for him a protecting guide."

18- "And you would think them awake, while they were asleep. And We turned them to the right and to the left, while their dog stretched his forelegs at the entrance. If you had looked at them, you would have turned from them in flight and been filled by them with terror."

19- "And similarly, We awakened them that they might question one another. Said a speaker from among them, "How long have you remained [here]?" They said, "We have remained a day or part of a day." They said, "Your Lord is most knowing of how long you remained. So send one of you with this silver coin of yours to the city and let him look to which is the best of food and bring you provision from it and let him be cautious. And let no one be aware of you."

20- "Indeed, if they come to know of you, they will stone you or return you to their religion. And never would you succeed, then - ever."

21- "And similarly, We caused them to be found that they [who found them] would know that the promise of Allah is truth and that of the Hour there is no doubt. [That was] when they disputed among themselves about their affair and [then] said, "Construct over them a structure. Their Lord is most knowing about them." Said those who prevailed in the matter, "We will surely take [for ourselves] over them a masjid."

22- "They will say there were three, the fourth of them being their dog; and they will say there were five, the sixth of them being their dog - guessing at the unseen; and they will say there were seven, and the eighth of them was their dog. Say, [O Muhammad], "My Lord is most knowing of their number. None knows them except a few. So do not argue about them except with an obvious argument and do not inquire about them among [the speculators] from anyone."

23- "And never say of anything, "Indeed, I will do that tomorrow,"

24- "Except [when adding], "If Allah wills." And remember your Lord when you forget [it] and say, "Perhaps my Lord will guide me to what is nearer than this to right conduct."

25- "And they remained in their cave for three hundred years and exceeded by nine."

26- "Say, " Allah is most knowing of how long they remained. He has [knowledge of] the unseen [aspects] of the heavens and the earth. How Seeing is He and how Hearing! They have not besides Him any protector, and He shares not His legislation with anyone."

The third event is verse 260 surah Al- Baqara :

" وَإِذْ قَالَ إِبْرَاهِيمُ رَبِّ أَرِنِي كَيْفَ تُحْيِي الْمَوْتَىٰ قَالَ أَرَأَيْتَ إِذَا أُلْمِتُ الْبِلَىٰ قَالَ بَلَىٰ وَلَئِن لِّيُطْمَنِّنَنَّ قَلْبِي ۖ قَالَ فَخُذْ أَرْبَعَةً مِّنَ الطَّيْرِ فَصُرْهُنَّ إِلَيْكَ ثُمَّ اجْعَلْ عَلَىٰ كُلِّ جَبَلٍ مِّنْهُنَّ جُزْءًا ثُمَّ ادْعُهُنَّ يَأْتِيَنَّكَ سَعْيَهُنَّ وَاعْلَمْ أَنَّ اللَّهَ عَزِيزٌ حَكِيمٌ "

260-"And [mention] when Abraham said, "My Lord, show me how You give life to the dead." [Allah] said, "Have you not believed?" He said, "Yes, but [I ask] only that my heart may be satisfied." [Allah] said, "Take four birds and commit them to yourself. Then [after slaughtering them] put on each hill a portion of them; then call them - they will come [flying] to you in haste. And know that Allah is Exalted in Might and Wise."

These three events are extremely bizzare and hide a secret that needs all human being effort to discover. Here I am as curious muslim using mathematics to dig under the words and make a law or rules. If I analyse it right that is from allah and if I do it wrong that's because of my fault.

Let's start step by step carefully:

The key for theses events is the verse 258 surah Al-Baqara:

" أَلَمْ نَرِ إِلَىٰ الَّذِي حَاجَّ إِبْرَاهِيمَ فِي رَبِّهِ أَنْ آتَاهُ اللَّهُ الْمُلْكَ إِذْ قَالَ إِبْرَاهِيمُ رَبِّيَ الَّذِي يُحْيِي وَيُمِيتُ قَالَ أَنَا أُحْيِي وَأُمِيتُهُ قَالَ إِبْرَاهِيمُ فَإِنَّ اللَّهَ يَأْتِي بِالشَّمْسِ مِنَ الْمَشْرِقِ فَأْتِ بِهَا مِنَ الْمَغْرِبِ فَبُهِتَ الَّذِي كَفَرَ ۗ وَاللَّهُ لَا يَهْدِي الْقَوْمَ الظَّالِمِينَ "

258-"Have you not considered the one who argued with Abraham about his Lord [merely] because Allah had given him kingship? When Abraham said, "My Lord is the one who gives life and causes death," he said, "I give life and cause death." Abraham said, "Indeed, Allah brings up the sun from the east, so bring it up from the west." So the disbeliever was overwhelmed [by astonishment], and Allah does not guide the wrongdoing people."

The verse is about discussion between the prophet ibrahim (pbuh) and the unbeliever. The prophet put the unbeliever in two challenges :

First : To make the dead return to life as god can do;

Second : To make sun rise from west.

If you notice bringing sun from the west is turning time flow from present to past and that brings dead into life again. The verse then is about time flow direction.

So all the three events am going to analysing are about that idea.

What is common in these three events ? :

1- people who withdraw from human being group. (unknown distance);

2- The withdraw for certain time (Time elapsed unknown);

3- Travel through the time.

What are the differences :

1- event of prophet ibrahim (peace be upon him) he called the birds but in the other two events the verses does not mention if the person called his monkey or not and the youths if they called their dog or not.

2- There is food (plant) in the event of the man who died 100 years but there is no food mentioned in the event of the youths when they slept 309 years and there is no food in the event of prophet ibrahim calling the birds.

In three events the travel through time was done by humans , animals and plants.

Of course every event occurred with the willingness of God almighty but I still think that there are nature laws that allows these special people to travel and take their animal or food with them and other people they can not.

There are some people who experienced in our modern life time travel in their sleep but not for too long.

Before we make any step farther we need to know that:

- Moving speed of light = Time stop;
- Moving close the speed of light (ex : 90% of c) = Travel through the future
- Moving faster than the light = Travel through the past.

In our events we have two of these cases:

¹ The youths and their dog and the man who passed by township and his food: All had their time stopped which it means they moved in "c" speed.

² The donkey of the man and the birds of prophet ibrahim (pbuh) were revived after their death which it means turning back the time and that is moving faster than "c" to go through the past when they were alive.

The speed of the light explains part of the events but not every thing and does not answer why someone can reach the "c" and another person or animal or plant can not.

I think that the only creature who can have such a speed is the human being because it was created from the soul of God according to this verse 29 surah Al-Hijr :

"فَإِذَا سَوَّيْتُهُ وَنَفَخْتُ فِيهِ مِنْ رُوحِي فَقَعُوا لَهُ سَاجِدِينَ"

29-"And when I have proportioned him and breathed into him of My [created] soul, then fall down to him in prostration."

Here, god asked the angel who are created from light and have the speed "c" to prostrate to humans that are from god's soul and are presumed to be more sophisticated and faster than "c" but it's the matter of body that slows them down. The slowing down is an obstacle challenge for human, purposely set by god.

Here I deduce that human been soul particle has a mass that must be < than the mass of the photon in rest.

So the rule that nothing can travel on earth space and time faster than the light is not true because human being soul **particle** can travel faster.

As "c" is the symbol for the speed of light in vacuum, the initial letter of celeritas, the Latin word meaning speed; we can set "r" as a symbol for the still unmeasured speed of human soul particle, the initial letter of the word ROUH (soul). رُوحِي. We can give the name for human soul particle : **Geedon**

Photon with speed constant "c" versus Geedon with speed variant "r". This subject will be analysed in later chapter.

We go back to the events. The humans souls of the man and the youths moved while sleeping as fast as the light and their times stopped and their ages froze.

It happened while sleeping for long duration (100 years and 309 years) because that's the only time when the soul "Geedon" can tunnel the body matter-energy barrier and remains out of the body space for long duration.

The other difficulty is to understand how the animal's (dog of the youth) and the plants' (food of the man) time had stopped also. Plants and animals are not from soul of god, so how could they travel as fast as light : 299 792 458 m/s.

Here we remember the event of prophet ibrahim (pbuh) when he **called** the dead birds spread on four different corners and then birds moved faster than the light to come back through time.

Our previous and contemporary interpreters of the quran said that the birds came back to prophet Ibrahim (pbuh) walking and not flying to be able for him to distinguish them from other possible flying birds in the region. I want to explain why they came back walking and not flying as because birds usually they fly. My explanation is that after prophet ibrahim killed them, he mixed them, then he **WALKED** to the different four corners to spread them, so when time ticks back they are going to walk not to fly because they did not go to these corner flying.

The concept of **calling** in physic, we can give it a name of **ATTRACTION FORCE** pulling from human to animals, plants or matter. It's not the gravity between masses of the bodies but attraction between human soul particle "Geedon" and animal/plants and matter souls' particles.

That attraction pulled the birds' souls already to move faster than "c" and go back to their past. That brought them back to life again and they walked down the mountains towards prophet ibrahim (pbuh).

The Attraction force notion will be detailed later but it's that force that pulled the dog by the youths of the cave to follow their move in "c" speed; and that pulled the donkey of the man to move faster than "c" and comes back from death.

When you exceed "c" speed you go back to the past and you can get back to life after you are dead. Here we presume that the man **called** his donkey but the Quran did not precise it in the verse because we can understand it. Logically, the man when he woke up and found his food but not his donkey, he might have called on him (as human call their domestic animals to give them

orders). And by analogy we can presume that the youth called on their dog by using voice or voiceless call while sleeping.

The plant (food) of the man whose time stopped for 100 years, how did it follow the speed "c" of the man while sleeping and traveled with him so that the time stopped for plants and the food did not go off ?

Actually it's the Attraction force that pulled the food but not the donkey while sleeping (the donkey was pulled after the man woke up).

I think that the food was so close from the man, as close as his clothes (it may have been almost finished and too little was left that he put it in a bag and he lay down, the bag still in his hands and before he put it on earth he fell asleep). There was physical contact between the man and his food.

This explanation makes the food in the same situation as his worn clothes that were not separated from him, then move with him on same speed. The physical contact between the Geedon and plant's soul is required to make plant travel at that speed.

This interpretation for the food is confirmed by the event of the attraction that was exerted on the matter also in the event of the man who brought Queen of Sheba's throne to King Solomon "...in the twinkling of an eye".

The duration of a blink is on average 100–150 milliseconds according to UCL researcher and between 100–400 ms according to the Harvard Database of Useful Biological Numbers.

If I accept that 200 milliseconds is the average, I convert that to 0,2 second then I calculate that the distance between yemen where the queen kingdom was and palestine the land of prophet solomon (pbuh) kingdom is 2200 km (approximately). The speed of the throne transportation is distance by time , the speed of the **force of attraction pull** was 4400 km (2200 km going + 2200 km return) divided by 0.2s = 22.000 km/s.

I do think that the man traveled in speed of 22000 km/s to bring the throne from yemen to palestine (going and returning) but he pulled it with his Geedon force of attraction exerted on that throne matter. He traveled to the throne because he needed to touch it.

That speed was the maximum speed that humans could do awake (in sleep human soul can travel faster than light), except the travel of Miraj event when prophet muhammad travelled with his body faster than light.

This event prove that humans soul has to be in direct contact with the soul's particle of the plants and the transformed matter "throne" to be attracted. Transformed matter and plants do not have enough energy to move in that speed without the force of human's soul attraction.

The verses 38-39-40 of surah Al-Naml states:

" قَالَ يَا أَيُّهَا الْمَلَأُ أَيُّكُمْ يَأْتِينِي بِعَرْشِهَا قَبْلَ أَنْ يَأْتُونِي مُسْلِمِينَ (38) قَالَ عَفْرَيْتُ مِنَ الْجِنِّ أَنَا آتِيكَ بِهِ قَبْلَ أَنْ تَقُومَ مِنْ مَقَامِكَ وَإِنِّي عَلَيْهِ لَقَوِيٌّ أَمِينٌ (39) قَالَ الَّذِي عِنْدَهُ عِلْمٌ مِنَ الْكِتَابِ أَنَا آتِيكَ بِهِ قَبْلَ أَنْ يَرْتَدَّ إِلَيْكَ طَرْفُكَ فَلَمَّا رآه مُسْتَقَرًّا عِنْدَهُ قَالَ هَذَا مِنْ فَضْلِ رَبِّي لِيَبْلُوَنِي أَأَشْكُرُ أَمْ أَكْفُرُ وَمَنْ شَكَرَ فَإِنَّمَا يَشْكُرُ لِنَفْسِهِ وَمَنْ كَفَرَ فَإِنَّ رَبِّي غَنِيٌّ كَرِيمٌ" (40).

38-"[Solomon] said, "O assembly [of jinn], which of you will bring me her throne before they come to me in submission?"

39- "A powerful one from among the jinn said, "I will bring it to you before you rise from your place, and indeed, I am for this [task] strong and trustworthy."

40-"Said one **who had knowledge** from the Scripture, "I will bring it to you before your glance returns to you." And when [Solomon] saw it placed before him, he said, "This is from the favor of my Lord to test me whether I will be grateful or ungrateful. And whoever is grateful - his gratitude is only for [the benefit of] himself. And whoever is ungrateful - then indeed, my Lord is Free of need and Generous."

All occurred by the favor of god but also according to physic and mathematic laws that we still don't know. This pull is exactly as the man of township pulled his food to travel with him at speed "c" with physical contact.

The conclusion is that human soul particle Geedon can be faster than "c" speed of light and also faster than speed of jinns "j". And that the animals' soul particle can not move in any speed without human force of attraction pulling them and that's why no bird of the prophet solomon (pbuh) army presented any attempt to bring saba queen throne.

The hoopoe he just traveled normal animal speed to discover the existence of saba kingdom. The existence of kingdom of queen saba was reported by the hoopoe to prophet solomon (pbuh) and we know that hoopoe average speed is 40km/h which it means he traveled from palestine to yemen then back 4400 km in 110 hours without counting the rest time and was absent from the attendance for 4,583 days.

Verses 20-25 surah Al -Naml states :

"وَتَفَقَّدَ الطَّيْرَ فَقَالَ مَا لِيَ لَا أَرَى الْهُدُودَ أَمْ كَانَ مِنَ الْغَائِبِينَ (20) لَأَعَذِّبَنَّهُ عَذَابًا شَدِيدًا أَوْ لَأَذْبَحَنَّهُ أَوْ لِيَأْتِنِي بِسُلْطَانٍ مُبِينٍ (21) فَمَكَثَ غَيْرَ بَعِيدٍ فَقَالَ أَحَطْتُ بِمَا لَمْ تُحِطْ بِهِ وَجِئْتُكَ مِنْ سَبَإٍ بِنَبَأٍ يَقِينٍ (22) إِنِّي وَجَدْتُ امْرَأَةً تَمْلِكُهُمْ وَأُوتِيَتْ مِنْ كُلِّ شَيْءٍ وَلَهَا عَرْشٌ عَظِيمٌ (23) وَجَدْنَاهَا وَقَوْمَهَا يَسْجُدُونَ لِلشَّمْسِ مِنْ دُونِ اللَّهِ وَزَيَّنَ لَهُمُ الشَّيْطَانُ أَعْمَالَهُمْ فَصَدَّهُمْ عَنِ السَّبِيلِ فَهُمْ لَا يَهْتَدُونَ (24) أَلَّا يَسْجُدُوا لِلَّهِ الَّذِي يُخْرِجُ الْخَبَاءَ فِي السَّمَاوَاتِ وَالْأَرْضِ وَيَعْلَمُ مَا تُخْفُونَ وَمَا تُعْلِنُونَ (25)"

20- "And he took attendance of the birds and said, "Why do I not see the hoopoe - or is he among the absent?"

21- "I will surely punish him with a severe punishment or slaughter him unless he brings me clear authorization."

22- "But the hoopoe stayed not long and said, "I have encompassed [in knowledge] that which you have not encompassed, and I have come to you from Sheba with certain news."

23- " Indeed, I found [there] a woman ruling them, and she has been given of all things, and she has a great throne."

24- " I found her and her people prostrating to the sun instead of Allah, and Satan has made their deeds pleasing to them and averted them from [His] way, so they are not guided,"

25- " [And] so they do not prostrate to Allah, who brings forth what is hidden within the heavens and the earth and knows what you conceal and what you declare -"

Consequently this event confirms my idea that human being are able to pull animals, plants, matter in a great speed with the difference that for matters and plants you need to be in physical contact with them to attract them.

In the opposite you don't need the physical contact to attract the animals (birds of prophet ibrahim, dog of the youths and donkey of the man of the township).

I think the one who has knowledge of the scripture is a human been because the jinn was excluded from the task and the birds can not do it and there is nothing left for prophet solomon except humans in accordance with verse 17 surah Al-Naml :

" وَحَشِيرَ لِسُلَيْمَانَ جُنُودَهُ مِنَ الْجِنَّ وَالْإِنْسِ وَالطَّيْرِ فَهُمْ يُوزَعُونَ "

17-"And gathered for Solomon were his soldiers of the jinn and men and birds, and they were [marching] in rows."

The travel of the man who had knowledge of the scripture was in a speed of 22000 km/s, but the question was it with his body or without body ?

Another event can help understand and answer, is the event of Mi'raj of the prophet on the back of The Burāq (Arabic: البُرَاق al-Burāq or "lightning" or more generally "bright"), the creature that transported the prophet muhammed (beloved of god).

Most notably hadith accounts about the Isra and Mi'raj recounts that the Buraq carried the prophet Muhammad (pbuh) from Mecca to Jerusalem and up in the 7 heavens "universes" and back by night.

An excerpt from a translation of Sahih al-Bukhari describes Buraq:

" Then a white animal which was smaller than a mule and bigger than a donkey was brought to me ... The animal's step (was so wide that it) reached the farthest point within the reach of the animal's sight."

Muhammad al-Bukhari, Sahih al-Bukhari.

Within Islam it signifies **both a physical and spiritual journey**.

This means that humans can travel in speed of light or faster within their body but has to be carried on light " photon-Geedon interaction".

That's why the man who had knowledge of the scripture could not travel faster than 22000 km/s to bring saba throne because he was awake and his "Geedon-photon interaction" did not produce enough energy for faster speed.

We have to carefully make difference between two different thing :

I- States of the Geedon-Photon interactions:

1- awake :

- The humans body and soul not separated can move in max speed of 22000 km/s in $< "c"$.(The man who brought saba throne);
- The human body and soul not separated can move in $"c"$ speed or exceed it, if they are carried by a photon $\geq "c"$ (The prophet muhammed pbuh).
- These two speeds depends on the "Geedon-photon interaction"

2- In sleep

- The human soul particle Geedon **can move** in speed $"c"$ and transcend it $\geq "c"$. (100 years as man of township or 309 years as the youths of the cave in sleep). Depending on "Geedon-photon interaction".

The Geedon-photon interaction will be studied in later chapter.

II- The force of attraction:

The humans exert a force of attraction on animals and plants and matter.

The human soul particle **can pull** by its force of attraction the animal, plants and matters in speed $"c"$ or less or faster.

1- Awake

- The prophet ibrahim pulled birds $> "c"$;
- The man in township pulled his donkey $> "c"$.

2- Sleep

- The sleeping youths pulled their sleeping dog = $"c"$;
- The man of the township pulled his food = $"c"$.

Now time has come to explain this **FORCE OF ATTRACTION** that human has and it's conditions :

There are different kinds of forces that cause attraction. Each one has formula how to calculate it and properties.

What is a force of attraction and how many types of these forces are out there?

A force of attraction is any type of force that causes objects to come together, even if those objects are not close to or touching each other. The first force that causes attraction is the gravitational force. According to the Universal Law of Gravitation, every object in the universe attracts every other object in the universe. Gravity is an attractive force since any object with mass will experience a force of attraction from other objects with mass. Gravity is the reason for the statement 'What goes up must come down.'

The force of gravitational attraction is proportional to the product of the masses, m_1 and m_2 , and is inversely proportional to the square of the distance between the two masses, represented by r . Inversely proportional means that the attraction is strong when the masses are close to each other and weak when the masses are far away from each other.

This type can apply to our cases but that does not explain in harmony the attraction of human soul particle Geedon exerted on animals, plants and matter.

In the case of prophet ibrahim he was far from the birds as I estimated 800 meters and he pulled them faster than "c" , on the contrary the man who brought queen saba throne, he traveled to yemen and was close to touch it but the speed of pull was 22000 km/s. The man who slept 100 years pulled the food in speed = "c". Then force of attraction is not proportional to the distance in our cases , thus, it's not the gravitational attraction.

The second force that can cause attraction is the electric force, also known as the electrostatic force. While gravity affects objects with mass, electrostatic forces affect objects that have charge. Charge is determined by the number of electrons and protons in an object. Most objects are electrically neutral, which means they have an equal amount of electrons, which carry a negative charge, and protons, which carry a positive charge. But sometimes, objects can lose electrons and be positively charged, or gain electrons and become negatively charged. The attraction occurs when two objects of opposite charge are in close proximity, and the electrical force causes these objects to attract. Therefore, positive and negative charges will attract each other. Hence the saying 'Opposites attract.'

This type also does not apply to our cases because it needs proximity that prophet ibrahim did not need.

Furthermore, the force of electrical attraction is proportional to the product of the charges and just like gravitation, it is inversely proportional to the square of the distance between the charges. This figure shows the attraction between a positive and a negative charge separated by a distance r which does not match our cases where food was not negative charges and neither was the dog pulled in sleep.

The third force that may cause attraction is the magnetic force. The magnetic force attracts objects that have magnetic properties. A magnet will attract metals rich in iron, like steel, as well as nickel and cobalt. But when an object is magnetized, the magnetic force is attractive when a north magnetic pole is brought into close proximity to a south magnetic force. The main source of magnetism is electric currents. When charges move, there is an electric current. So charges that don't move are affected by the electric force and charges that move are affected by the magnetic force. Magnetic attraction can also be the reason behind the saying 'Opposites attract.'

This type also does not apply to our cases because the dog and monkey and food are not metal rich in iron.

So you have the question in mind: So what happen to attract these objects by human ?

The answer is in this next part.

3- The resonance source of attraction force

A- The resonance

We hear the word “resonance” used a lot in physics, but let us take a second to ask “What is Resonance?” In order to explain the word, we first need to be thorough with the following terms:

Period – The amount of time it takes to complete one cycle.

Frequency – The number of cycles in one second is the frequency of oscillation.

Resonance occurs when a material oscillates at a high amplitude at a specific frequency. We call this frequency resonant frequency. The dictionary defines resonance as,

“the state of a system in which an abnormally large vibration is produced in response to an external stimulus, occurring when the frequency of the stimulus is the same, or nearly the same, as the natural vibration frequency of the system.”

Physics defines Resonance as,

A phenomenon in which an external force or a vibrating system forces another system around it to vibrate with greater amplitude at a specified frequency of operation.

A-1 Examples

Some examples of resonance, we can witness in our daily lives:

Musical Instruments

The best examples of resonance can be observed in various musical instruments. Whenever any person hits, strikes, strums, drums or tweaks any musical instrument, the instrument is set into oscillation or vibration at the natural frequency of vibration of the instrument.

A unique standing wave pattern defines each frequency of vibration as a specific instrument. These natural frequencies of a musical instrument are known widely as the harmonics of the specified instrument. If a second interconnected object or instrument vibrates or oscillates at that specified frequency then the first object can be forced to vibrate at a frequency higher than its natural harmonic frequency. This phenomenon is known as resonance. One object vibrating or oscillating at the natural frequency of another object forces the other object to vibrate at a frequency higher than its natural frequency.

Swing

One of the familiar examples of resonance is the swing. It is common knowledge that the swing moves forward and backwards when pushed. If a series of regular pushes are given to the swing, its motion can be built. The person pushing the swing has to sync with the timing of the swing. This results in the motion of the swing to have increased amplitude so as to reach higher. Once when the swing reaches its natural frequency of oscillation, a gentle push to the swing helps to maintain its amplitude due to resonance. But, if the push given is irregular, the swing will hardly vibrate, and this out-of-sync motion will never lead to resonance, and the swing will not go higher.

Bridge

Group of soldiers marching on the bridge are asked to break their steps very often because their rhythmic marching can set extreme vibrations at the bridge's natural frequency. The bridge can break apart if the synchronized footsteps resonate with the natural frequency of the bridge. One of the examples of the above is the Tacoma Bridge Collapse, where the frequency of the air matched with the frequency of the bridge leading to its destruction.

A-2 How to Calculate Resonant Frequency ?

A resonant frequency is the natural vibrating frequency of an object and is usually denoted as f with a subscript zero (f_0). Resonance is witnessed in objects that is in equilibrium with acting forces and could keep vibrating for a long time under perfect conditions.

To find the resonant frequency of a single continuous wave, we use the formula,

$$v = \lambda \times f$$

v : is the wave velocity

λ : is the distance of the wavelength

Mechanical Resonance

Mechanical resonance can be defined as the tendency of a mechanical system to respond at greater amplitude when the frequency of its oscillations matches the system's natural frequency of vibration (its resonance frequency or resonant frequency) than it does at other frequencies. The resonant frequency of a spring is calculated using the given formula:

$$f_0 = \left(\frac{1}{2\pi} \times \sqrt{\frac{k}{m}} \right)$$

m : is the mass of the spring

k : is the spring constant

Acoustic Resonance

Acoustic resonance is a phenomenon in which an acoustic system amplifies sound waves whose frequency matches one of its own natural frequencies of vibration. Acoustic resonance is an important consideration for instrument builders as most acoustic instruments such as the length of tube in a flute, the strings and body of a violin and the shape of a drum membrane use resonators. Acoustic resonance is also important for hearing.

Electrical Resonance

In a circuit when the inductive reactance and the capacitive reactance are equal in magnitude electrical resonance occurs. The resonant frequency in an LC circuit is given by the formula

$$\omega = \frac{1}{\sqrt{LC}}$$

Where $\omega = 2\pi f$

f = frequency of Resonance, hertz

L = Inductance, Henry

C = Capacitance, Farad

Read more about sound resonance and parallel resonance and learn how it is valid in practical life only through BYJU'S engaging videos.

Orbital resonance

In celestial mechanics, an orbital resonance occurs when two orbiting bodies exert a regular, periodic gravitational influence on each other, usually due to their orbital periods being related by a ratio of two small integers. Orbital resonances greatly enhance the mutual gravitational influence of the bodies. In most cases, this results in an unstable interaction, in which the bodies

exchange momentum and shift orbits until the resonance no longer exists. Under some circumstances, a resonant system can be stable and self correcting, so that the bodies remain in resonance. Examples are the 1:2:4 resonance of Jupiter's moons Ganymede, Europa, and Io, and the 2:3 resonance between Pluto and Neptune. Unstable resonances with Saturn's inner moons give rise to gaps in the rings of Saturn. The special case of 1:1 resonance (between bodies with similar orbital radii) causes large solar system bodies to "clear out" the region around their orbits by ejecting nearly everything else around them; this effect is used in the current definition of a planet.

Particle resonance

The most straightforward explanation of resonance particles, or resonances, is that they are extremely short lived particles. The lifetime of these particles is on the order of 10^{-23} seconds. Traveling at the speed of light, these particles could only travel about 10^{-15} meters, or about the diameter of a proton, before decaying. Distances of this magnitude cannot be measured in bubble chambers or any other device for detecting subatomic particles.

How can we know anything about particles we cannot detect? To understand how we deduce properties of resonance particles, it is first necessary to examine another, more complicated, explanation of their existence. This explanation involves the scattering cross-section of a particle. When two particles move towards each other and collide, it is possible to say that the collision was caused by the cross-section of the particles. The greater the cross-section of the particles is, the more likely it is that there will be a collision. So, if we have two beams of particles, the amount of scattering that occurs is related to the cross-section of the particles that make up the beams (this is a simplification, but it helps to understand resonances). We can measure the cross-section of a particle by knowing how much scattering occurs when two beams of particles collide.

If we graph the results of our observations for the cross-section of the particles versus the total energy of the particles, we can see that the graphs have peaks and valleys. This means that the cross-section of the colliding particles changes as a function of the total energy in the collision. Most collisions have several possible outcomes, and each possibility has peak cross-sections at certain energies. When graphs of the different possible results of the same collision are compared, we find that the peak cross-sections occur at the same energies for each possibility. There must be some reason why all the peaks occur at the same energy.

There are two explanations for the peaks, both involving resonances. In one view, the peaks themselves are resonant states or resonances. The resonance is the peak itself, not a particle. Resonances are simply energies at which the cross section of a particle reaches a maximum. In this view, resonances are similar to atomic energy levels, the only difference being that energy levels can be explained by quantum electromagnetic theory and the need for discussing peak electron levels at certain energies is gone. Elementary particles are not as well understood, so most of the information we have comes from the resonances.

The second explanation says that the peaks are evidence for actual particles that form as intermediate steps in the collision. In this view, the presence of resonance particles adds to the cross-section of the particles in the collision, making the collision more likely. The peaks are interpreted as evidence for the presence of resonance particles, and the different peaks are caused by a large number of distinct particles, which are just as real as other particles, the only difference being a difference in lifetime.

Both explanations, resonant states and resonance particles, have their advantages, and either can be used to find resonance properties. The energy of resonance is easy to find; it is just the energy at which the cross-section reaches a peak. In the particle theory, the energy is the mass of an intermediate particle through which the reaction takes place. The particle is formed by the collision but almost instantly decays into more stable particles. According to the resonance explanation, the energy is a resonant state of the reaction between the colliding particles, an energy at which the collision is more probable.

Finding the lifetime of a resonance is also fairly uncomplicated. According to the uncertainty principle, $\Delta E \Delta t$ is greater than or equal to $\hbar/2$. The mean lifetime is given by $t = \hbar/\Delta E$. This is the same formula used to find lifetimes of excited nuclear states. ΔE is the width of the peak at the half maximum. If resonances are particles, then this formula gives their lifetimes. If they are resonant states, then the lifetime is the duration of the resonance, which is harder to understand. Again, the comparison to atomic energy states is useful. The time of the resonance is analogous to the time an electron stays in an excited state.

The debate over the nature of resonances will probably last until we have equipment sensitive enough to measure the extremely short distances which resonances would travel if they were particles. Whether particle or resonant state is of little practical importance, since we can measure the properties of resonances whichever explanation we accept.

B- Different souls' levels

Before I start , I want to set an idea in the Quran that the matter and animal and plant are **CONSCIOUS**. they are not created from soul of god as human but they have the ability to receive information from the surrounding environment and process it and act towards it.

It's not a mind like human mind, it's a mechanism that has more limitations than our mind. That mind is the reflection of existence of a soul.

This idea was expressed and proved many times in many verses. Verse 38 surah Al-An'am:

"وَمَا مِنْ دَابَّةٍ فِي الْأَرْضِ وَلَا طَائِرٍ يَطِيرُ بِجَنَاحَيْهِ إِلَّا أُمَمٌ أَمْثَالُكُمْ مَا فَرَّطْنَا فِي الْكِتَابِ مِنْ شَيْءٍ تَمَّ إِلَيْ رَبِّهِمْ يُحْشَرُونَ"
38-"And there is no creature on [or within] the earth or bird that flies with its wings except [that they are] communities like you. We have not neglected in the Register a thing. Then unto their Lord they will be gathered."

- Matter talked to God in verse 11 surah Fussilat:

"ثُمَّ اسْتَوَىٰ إِلَى السَّمَاءِ وَهِيَ دُخَانٌ فَقَالَ لَهَا وَلِلْأَرْضِ ائْتِيَا طَوْعًا أَوْ كَرْهًا قَالَتَا أَتَيْنَا طَائِعِينَ"

11-"Then He directed Himself to the heaven while it was smoke and said to it and to the earth, "Come [into being], willingly or by compulsion." They said, "We have come willingly."

- Animal talking to each other about prophet surah Al-Naml verse 18:

"حَتَّىٰ إِذَا اتُّوا عَلَىٰ وَادٍ لِنَّمْلٍ قَالَتْ نَمْلَةٌ يَا أَيُّهَا النَّمْلُ ادْخُلُوا مَسَاكِنَكُمْ لَا يَحْطِمَنَّكُمْ سُلَيْمٌ وَجُنُودُهُ وَهُمْ لَا يَشْعُرُونَ"

18"Until, when they came upon the valley of the ants, an ant said, "O ants, enter your dwellings that you not be crushed by Solomon and his soldiers while they perceive not."

- The event of crying trunk :

The reference is : Sahih al-Bukhari #3583 or Book 61, Hadith 92.

Narrated Ibn Umar: The Prophet ﷺ used to deliver his khutbah (religious talk) while standing beside a trunk of a date-palm. When he had the pulpit made, he used it instead. The trunk started crying and the Prophet ﷺ, went to it, rubbing his hand over it (to stop its crying).

"حَدَّثَنَا مُحَمَّدُ بْنُ الْمُثَنَّى، حَدَّثَنَا يَحْيَى بْنُ كَثِيرٍ أَبُو غَسَّانَ، حَدَّثَنَا أَبُو حَفْصٍ - وَأَسْمُهُ عُمَرُ بْنُ الْعَلَاءِ أَخُو أَبِي عَمْرٍو بْنِ الْعَلَاءِ - قَالَ سَمِعْتُ نَافِعًا، عَنِ ابْنِ عُمَرَ - رَضِيَ اللَّهُ عَنْهُمَا - كَانَ النَّبِيُّ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ يَخْطُبُ إِلَى جِدْعٍ فَلَمَّا اتَّخَذَ الْمِنْبَرَ تَحَوَّلَ إِلَيْهِ، فَحَنَّ الْجِدْعُ فَأَتَاهُ فَمَسَحَ يَدَهُ عَلَيْهِ. وَقَالَ عَبْدُ الْحَمِيدِ أَخْبَرَنَا عُثْمَانُ بْنُ عُمَرَ، أَخْبَرَنَا مُعَاذُ بْنُ الْعَلَاءِ، عَنْ نَافِعٍ، بِهَذَا. وَرَوَاهُ أَبُو عَاصِمٍ عَنِ ابْنِ أَبِي رَوَاحٍ، عَنْ نَافِعٍ، عَنِ ابْنِ عُمَرَ، عَنِ النَّبِيِّ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ."

- The event of the hoopoe cited previously surah Al-Naml:

"إِنِّي وَجَدْتُ امْرَأَةً تَمْلِكُهُمْ وَأُوتِيَتْ مِنْ كُلِّ شَيْءٍ وَلَهَا عَرْشٌ عَظِيمٌ (23) وَجَدْتُهَا وَقَوْمَهَا يَسْجُدُونَ لِلشَّمْسِ مِنْ دُونِ اللَّهِ وَزَيَّنَ لَهُمُ الشَّيْطَانُ أَعْمَالَهُمْ فَصَدَّهُمْ عَنِ السَّبِيلِ فَهُمْ لَا يَهْتَدُونَ (24) أَلَا يَسْجُدُوا لِلَّهِ الَّذِي يُخْرِجُ الْخَبَاءَ فِي السَّمَاوَاتِ وَالْأَرْضِ وَيَعْلَمُ مَا تُخْفُونَ وَمَا تُعْلِنُونَ (25) اللَّهُ لَا إِلَهَ إِلَّا هُوَ رَبُّ الْعَرْشِ الْعَظِيمِ (26) قَالَ سَنَنْظُرُ أَصَدَقْتَ أَمْ كُنْتَ مِنَ الْكَاذِبِينَ (27)"

23-"Indeed, I found [there] a woman ruling them, and she has been given of all things, and she has a great throne."

24-"I found her and her people prostrating to the sun instead of Allah, and Satan has made their deeds pleasing to them and averted them from [His] way, so they are not guided,"

25- "I found her and her people prostrating to the sun instead of Allah, and Satan has made their deeds pleasing to them and averted them from [His] way, so they are not guided,"

26-" Allah - there is no deity except Him, Lord of the Great Throne."

27- [Solomon] said, "We will see whether you were truthful or were of the liars."

This last example is a fantastic prove that animal not only they talk, think and believe in god almost as human exactly like heavens "universes" and earth (matter) when they responded the god's order but also amazingly, they can lie!. and the hoopoe also knows the devil exists and misleads humans.

- Hadith the prophet about pigeon

عَنِ ابْنِ عَبَّاسٍ قَالَ: قَالَ رَسُولُ اللَّهِ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ: " لَا تَتَّخِذُوا شَيْئًا فِيهِ الرُّوحُ غَرَضًا " رواه مسلم (1957).

It says in this hadeeth which was narrated from Ibn ‘Abbas that the Messenger of Allah (peace and blessings of Allaah be upon him) said: “Do not use anything in which there is a soul as a target.” (Narrated by Muslim, 1957).

Also another hadith confirming the previous and precisising that the bird has a kind of soul :

It was narrated from Ibn ‘Umar (may Allah be pleased with him) that he entered upon Yahyaa ibn Sa’eed and one of Yahya’s sons had tied up a hen and was shooting at it. Ibn ‘Umar walked over to him and untied it, then he brought it and the boy and said, “Do not allow your boys to tie up birds in order to kill them, for I heard the Messenger of Allah (peace and blessings of Allah be upon him) forbidding the tying up of animals or other creatures in order to kill them.”

Sole scientists still don't believe that these creatures has consciousness of itself and the word around it and that is, I think , because we are steeped in an ancient tradition of human-centrism, we believe that our experience of life is what defines consciousness, and that our brain’s processes are the height of intelligence. There is some evidence in the quran that other modes of existence are equally complex, which suggests that other living things have intelligent or conscious experiences.

A new study from the University of Western Australia’s Center for Evolutionary Biology, published in *Oecologia*, examined whether plants tune in to sound when seeking water. Plant cognition researchers, found that plant root systems travel toward water sources by sensing acoustic vibrations.

In other words, plants respond to the sounds rather than the presence of moisture, as if they can feel sound. The team played water flowing through a sink and a recording of the same sound to common pea plants with roots separated in tubes and examined how the roots responded. The scientists found that root systems did not grow toward the recorded sound but did grow toward the water flowing through a sink. They could distinguish between fake water sounds and the real thing!

Not only that, when water was available from natural sources—in soil—and was still flowing from the sink, roots grew toward the natural source. This indicates the plant made a choice.

From this idea of **CONSCIOUSNESS**, I can develop my idea of attraction force that was exerted on animals, plants and matter by humans.

The universe constitutes of things which have known frequencies or more than one frequency. Resonance is a concept that occurs when objects vibrate at their natural frequency or multiple natural frequencies transferring energy to its adjacent objects so that they begin to vibrate at the same frequency.

This process occurs at a macro as well as a micro level and is the main driver for **consciousness**. At a macro level the whole body or object feels the presence of consciousness or encounters the feeling of awareness which hypothetically originates at a micro level via quantum processing within the microtubules of the cells. Vibrations from the external environment can enhance the quantum processes within the cytoskeletal network of the cell, which generates energy utilized by the cell to perform its biochemical processes.

C- Religious effects on natural frequency

Meditation and prayers and all religious practises in islam practised by prophet muhammed (pbuh) or the previous revelations like prophet ibrahim (pbuh), the seven sleepers of the caves, the man who slept 100 years and the man who brought saba throne is a process that self-regulates the body and mind and maybe associated with psychological and neurophysiological alterations. Meditation studies have been linked to an increased activity in the prefrontal cortex of the brain which is associated several cognitive based functions. EEG recordings of skilled Buddhist monks with years of training have shown a significant rise in **gamma** wave activity in the 80 – 120 Hz range while this effect was lower in new meditators.

At the root of all our thoughts, emotions and behaviours is the communication between neurons within our brains. Brainwaves are produced by synchronised electrical pulses from masses of neurons communicating with each other.

Brainwaves are detected using sensors placed on the scalp. They are divided into bandwidths to describe their functions (below), but are best thought of as a continuous spectrum of consciousness; from slow, loud and functional to fast, subtle, and complex.

It is a handy analogy to think of brain-waves as musical notes - the low frequency waves are like a deeply penetrating drum beat, while the higher brain-waves frequencies are more like a subtle high pitched flute. Like a symphony, the higher and lower frequencies link and cohere with each other through harmonics.

Our brain-waves change according to what we're doing and feeling. When slower brain-waves are dominant we can feel tired, slow, sluggish, or dreamy. The higher frequencies are dominant when we feel wired, or hyper-alert.

The descriptions that follow are only broad descriptions - in practice things are far more complex, and brain-waves reflect different aspects when they occur in different locations in the brain.

Brainwave speed is measured in Hertz (cycles per second) and they are divided into bands delineating slow, moderate, and fast waves.

C-1 Brain-waves

INFRA-LOW (<.5HZ)

Infra-Low brain-waves (also known as Slow Cortical Potentials), are thought to be the basic cortical rhythms that underlie our higher brain functions. Very little is known about infra-low brain-waves. Their slow nature makes them difficult to detect and accurately measure, so few studies have been done. They appear to take a major role in brain timing and network function.

DELTA WAVES (.5 TO 3 HZ)

Delta Waves, the slowest but loudest brainwaves. Delta brain-waves are slow, loud brainwaves (low frequency and deeply penetrating, like a drum beat). They are generated in **deepest meditation and dreamless sleep**. Delta waves suspend external awareness and are the source of empathy. Healing and regeneration are stimulated in this state, and that is why deep restorative sleep is so essential to the healing process.

THETA WAVES (3 TO 8 HZ)

Theta brain-waves occur most often in sleep but are also **dominant in deep meditation**. Theta is our gateway to learning, memory, and intuition. In theta, our senses are withdrawn from the external world and focused on signals originating from within. It is that twilight state which we normally only experience fleetingly as we wake or drift off to sleep. **In theta we are in a dream**; vivid imagery, intuition and information beyond our normal conscious awareness. It's where we hold our 'stuff', our fears, troubled history, and nightmares.

ALPHA WAVES (8 TO 12 HZ)

Alpha brain-waves are dominant during quietly flowing thoughts, and **in some meditative states**. Alpha is 'the power of now', being here, in the present. Alpha is the resting state for the brain. Alpha waves aid overall mental coordination, calmness, alertness, mind/body integration and learning.

BETA WAVES (12 TO 38 HZ)

Beta brain-waves dominate our normal waking state of consciousness when attention is directed towards cognitive tasks and the outside world. Beta is a 'fast' activity, present when we are alert, attentive, engaged in problem solving, judgment, decision making, or focused mental activity.

Beta brain-waves are further divided into three bands; Lo-Beta (Beta1, 12-15Hz) can be thought of as a 'fast idle', or musing. Beta (Beta2, 15-22Hz) is high engagement or actively figuring something out. Hi-Beta (Beta3, 22-38Hz) is highly complex thought, integrating new experiences, high anxiety, or excitement. Continual high frequency processing is not a very efficient way to run the brain, as it takes a tremendous amount of energy.

GAMMA WAVES (38 TO 42 HZ)

Gamma brainwaves are the fastest of brain waves (high frequency, like a flute), and relate to simultaneous processing of information from different brain areas. Gamma brainwaves pass information rapidly and quietly. The most subtle of the brainwave frequencies, **the mind has to be quiet to access gamma**.

This quietness match with the withdrawal mentioned in all the verses where there was an event of travel \square light speed "c".

The prophet Ibrahim withdrawal in the mountains where silence and quietness to spread the dead birds and then attract them faster than light.

The man who had slept 100 years,, he withdrew from his village and family, walking away, withdrawing from them with his donkey and food. This man passed by a township which had fallen into ruin. The township was not inhabited. The man took a break and fell asleep in his withdrawal in the silent quiet town.

The seven sleepers, youths of the cave, they withdrew from their sinful town and walked away for long distance with their dog. These youths inhabited a cave in quietness and silence.

The only case where the withdrawal is not mentioned expressly, is the case of the man who brought the saba's queen throne. But that does not mean that the man did not withdraw from the reunion of prophet solomon (pbuh). He may have withdrawn in another quiet silent room and put the focus to travel with his body and bring the throne in an 0.2 second.

Gamma was dismissed as 'spare brain noise' until researchers discovered it was highly active when in states of universal love, altruism, and the 'higher virtues'. Gamma is also above the frequency of neuronal firing, so how it is generated remains a mystery. It is speculated that gamma rhythms modulate perception and consciousness, and that a greater presence of gamma relates to expanded consciousness and spiritual emergence.

For Buddhist monks, the purpose of meditation is to gain spiritual liberation which is the same reason for meditative practice in other religions.

Mediation can result in major changes in consciousness which have been observed in people in the state of trance, self-hypnosis and mystical states. Qigong masters claimed that they have enhanced or reduced biochemical rates during plant growth through their meditative practices which involves determining the position and velocity of the trajectory of an object that needs to be targeted via techniques that involve vibrations.

Healers or people praying for others initiate a non-local **resonance process** with objects of their focussed attention which has direct effects at a cellular level. A healing prayer of any religion has always produced positive results which have been always linked to the supernatural, which may be a possibility, but hypothetically is induced via quantum computation at a cellular level. What about unicellular organisms? Do they meditate? Unicellular organisms or sentient organisms follow an involuntary cycle that helps them **resonate** with their surroundings to generate energy via quantum processing within the microtubules making them aware of their surroundings. Adaptive cooperative behaviours observed in microorganisms are more of a group meditation, wherein microorganisms resonate within their colonies. This behaviour has helped these organisms survive extreme conditions in the past as well as present, which also justifies the fact, that it may have helped their ancestors during the evolutionary process from unicellularity to multicellularity.

This explains also the superpower of prophet jesus (pbuh) as a healer and life giver (by permission of God) in the verse 49 surah Al-i-Imran:

"وَرَسُولًا إِلَىٰ بَنِي إِسْرَائِيلَ أَنِّي قَدْ جِئْتُكُمْ بِآيَةٍ مِّن رَّبِّكُمْ أَنِّي أَخْلَقُ لَكُمْ مِّنَ الطِّينِ كَهَيْئَةِ الطَّيْرِ فَأَنْفُخُ فِيهِ فَيَكُونُ طَيْرًا بِإِذْنِ اللَّهِ وَأُبْرِئُ الْأَكْمَةَ وَالْأَبْرَصَ وَأُحْيِي الْمَوْتَىٰ بِإِذْنِ اللَّهِ وَأُنَبِّئُكُم بِمَا تَأْكُلُونَ وَمَا تَدْخُرُونَ فِي بُيُوتِكُمْ إِنَّ فِي ذَلِكَ لَآيَةً لَّكُمْ إِن كُنْتُمْ مُّؤْمِنِينَ"

"And [make him] a messenger to the Children of Israel, [who will say], 'Indeed I have come to you with a sign from your Lord in that I design for you from clay [that which is] like the form of a bird, then I breathe into it and it becomes a bird by permission of Allah . And I cure the blind and the leper, and I give life to the dead - by permission of Allah . And I inform you of what you eat and what you store in your houses. Indeed in that is a sign for you, if you are believers."

And verse 73 surah Al-Baqara:

"فَقُلْنَا اضْرِبُوهُ بِبَعْضِهَا كَذَلِكَ يُحْيِي اللَّهُ الْمَوْتَىٰ وَيُرِيكُمْ آيَاتِهِ لَعَلَّكُمْ تَعْقِلُونَ"

73-"So, We said, "Strike the slain man with part of it." Thus does Allah bring the dead to life, and He shows you His signs that you might reason"

All these miracles has physical explanation: Note that every time before a strange even happen people they hold their breath and stares at the performer which it looks like quietness and silence needed for gamma brain-waves to oscillate on the same frequency of the Geedon particle of dead people to resonate with their frequencies and attract them faster than light to the past where they were alive.

In the miracles of prophet jesus (pbuh) there was the physical contact exerted by him on the dead human bodies to make them revive.

The healing process also goes by resonance. The prophet jesus (pbuh) is the only one who can know that frequency to resonate on it. My proof is that recently, there are many researches on the new perspectives in the treatment of tumor cells by electromagnetic radiation at resonance frequencies in cellular membrane channels.

The use of electromagnetic fields has been considered as adjuvant therapy for the treatment of cancer given that some clinical trials have shown that the irradiation of cancer cells with electromagnetic fields can slow down the disease progression.

They hypothesized that this effect could be amplified by irradiating tumor cells with electromagnetic fields having frequencies close to the natural resonant frequencies of membrane

channels in tumor cells, in order to obtain a significant change of the ion flux across tumor cell membrane channels, inducing the largest harmful alteration in their cellular function.

Some neuronal-like cells were used as a cell model and exposed for 6 h to electromagnetic fields at different frequencies (0, 50 Hz, 900 MHz) at the same intensity of 2 mT. The exposure system was represented by two Helmholtz coils driven by a power amplifier in current mode and an arbitrary function generator. FTIR spectroscopy was used to evaluate the results of the exposure.

The results of this study showed that the Amide I vibration band increased in intensity with the increase of the frequency, leading them to assume that the displacement of the cell channels α -helices depends on the frequency of the applied electromagnetic fields.

This preliminary result lead them to plan future research aimed at searching for the natural frequencies of membrane channels in tumor cells using resonant electromagnetic fields in order to damage the cellular functions of tumor cells. Clinical trials are needed to confirm such a hypothesis derived from this physical study.

This is the god given power to prophet jesus to know the frequency and he could by religious practises, increase brilliantly his gamma brain-waves that can resonate with the Geedon particle of dead people.

C-2 The electromagnetic wave

The prophet jesus also has his own body magnetic field enhanced by religious practises that can heal deceased people.

The human body produces complex electrical activity in several different types of cells, including neurons, endocrine, and muscle cells – all called “excitable cells”. As all electricity does, this activity also creates a magnetic field.

The biomagnetic fields of the body, though extremely tiny, have been measured with techniques including magnetoencephalography (MEG) and magnetocardiography (MCG). These techniques measure the magnetic fields produced by the electrical activity in the body. The findings through objective basic research of these endogenous fields serves to determine their magnitudes as well as leading to the development of new non-invasive means of measuring cellular function. This is clinically useful in order to help guide treatment of the brain and heart.

The body’s electrical activity happens primarily in the cell membrane. It is hugely important that the cell membrane maintain an appropriate “charge” or voltage. A healthy cell has a

transmembrane potential of about 80 or 100 millivolts. A cancer cell, for comparison, has a transmembrane potential often as low as 20 or 25 millivolts. When a cell becomes damaged or sick, the voltage of the membrane drops, causing an increased voltage in the interior of the cell. When the membrane voltage is low, the membrane channels can't function properly, leading to a domino effect of disease-causing actions (or inactions).

The cell membrane is there both to protect the contents of the cell and to act as a sort of gatekeeper – opening and closing channels (like doorways) through which ions can flow. These channels are sometimes referred to as “pumps.”

The cell membrane itself has a voltage called a “potential” (or membrane potential, or transmembrane potential). Membrane potential refers to the difference in electrical charge between the inside and outside of the cell. The channels in the membrane are opened or closed based on the polarity of the membrane. When the channels are closed, a cell membrane is at its “resting potential” and when it is open it is at its “action potential.”

Action potential (channel opening) requires electrical activity. During this process, the electrical potential of the membrane rapidly rises, allowing the channels to open up. As the channels open, ions flow into the cell, causing a further rise in the membrane potential, prompting even more channels to open up. **This process produces an electric current (and therefore magnetic field)** across the cell membrane, and the cycle continues. Once all channels are open, the membrane potential is so great that the polarity of the membrane reverses, and then the channels begin to close. As the entry channels close, exit channels are activated. Once the process is complete, all channels close and the membrane returns to its resting potential.

So what are these therapeutic electromagnetic fields that Jesus (pbuh) had ?

Only certain ions flow in and out of a cell this way. Most commonly these are sodium, calcium, and potassium. The primary type of action potential is often referred to as the “sodium-potassium pump”, during which sodium flows into the cell via an entry channel and potassium flows out of a cell via an exit channel.

Action potentials play different roles depending on cell type, but are generally responsible for cellular communication or to activate a cellular process. Muscle cells, for example, use action potentials as the first step to achieving muscle contraction.

If a cell is injured or otherwise not well, this activity slows or stops. The energy required by action potentials is relatively small but can be insurmountable for a sick cell. **Applying an external, therapeutic magnetic field to the body supports this function by providing the cell with the energy it is incapable of producing itself.**

The high level religious practises of prophet jesus increased his body's magnetic field and then he applied it on deceased cells or dead cells in the dead people. The resonance on the same frequencies between electromagnetic wave of the prophet and the frequency of the Geedon particle of the dead persons made them revive. And made the damaged cells of deceased persons to heal.

The resonance phenomenon in jesus miracles are not only on gamma brain-waves but also on electromagnetic waves. Meditation induces hypothetical quantum dipole oscillations which regulate protein conformational changes by quantum computation such as electron tunnelling, delocalization and superpositioning within the microtubules.

Resonance triggers off quantum based events at vibrations of gigahertz, megahertz and kilohertz frequencies that have been found in isolated microtubules termed as the “Bandyopadhyay Coherence”. Microtubule quantum vibrations induced during clinical trials at megahertz frequencies using transcranial sounds have shown several therapeutic effects which are similar to therapeutic effects generated through meditative and healing practices like praying.

Quantum resonance is a phenomenon; a hypothesis that is driven by another vibrating system or an external force which oscillates a damped oscillating system at preferred frequencies and triggers of a series of quantum events as a form of energy transfer at a cellular level. Microtubules act as strong oscillating systems which amplify and filter out the signals generating a conscious moment which terminates at the collapse of the wave function in space time geometry. Consciousness generated through quantum based principles is thus governed by the vibratory patterns of the universe and the particles that create the magic of being aware. Conscious states are therefore resonant states that trigger learning and cognitive representations in all living organisms and which helps us in our daily lives, work, rewards and losses.

Meditation and healing practices that induce vibrations have provided us the secrets of resonance, which can induce several conformational changes in the patterns of consciousness. Even though meditation is induced, it is known to create an enhanced effect within the system that can be correlated to enhanced quantum computation occurring within the microtubules of the cytoskeleton at a cellular level. We are all part of a universe that demonstrates harmonic resonance, which includes the smallest wave-like vibrations that can be generated via the

smallest particles of matter or the negative mass particle like the Geedon "human soul particle" to larger orbital resonances that emerge from the galaxies and stars oscillating at specific frequencies.

Biophysics suggests that our biological systems are tuned into the background frequency of our planet via the Schumann Resonance which occurs at a steady pulse of 7.83 Hz within the ionosphere cavity of the earth and therefore could be the source of resonant vibrations that triggers of the progression of quantum generated consciousness within cells of all living beings.

When the prophet (pbuh) pray and excel in his practises in terms of quantity and quality that going to enhance his normal soul or mind gamma wave frequency (gamma waves regular person are from 38 to 42 HZ) or any other brainwaves.

That enhancement happened to the man who brought the saba throne and the seven sleepers and our beloved prophet muhammed who excelled the best in religious practises.

Then the conclusion is that the more and better you practise, the more you control your brain-waves and electromagnetic field and these waves can resonate (physic resonant phenomenon) with the natural frequencies of matters, animals and plant to increase their own wave by resonance and then they can travel with you in speed \geq or \leq to "c".

Let's go case by case:

D- The cases

D- 1- The Mira'aj event

The prophet muhammad was and still the best of all mankind and messengers who obeyed god and that obedience "The Spiritual Exercises" enhanced his brainwaves and his Geedon soul particle natural frequency to reach the photon "buraq" wave frequency and resonate with it which it creates a bigger wave and he could travel with his body in a speed of "c" to reach 7th heaven and return back on earth in one night (approximately 8 hours).

Here we have to note that the speed "c" is not the only constance. Angel from photon particle could travel faster than "c" like the case of verse 4 surah Al-Ma'aarij:

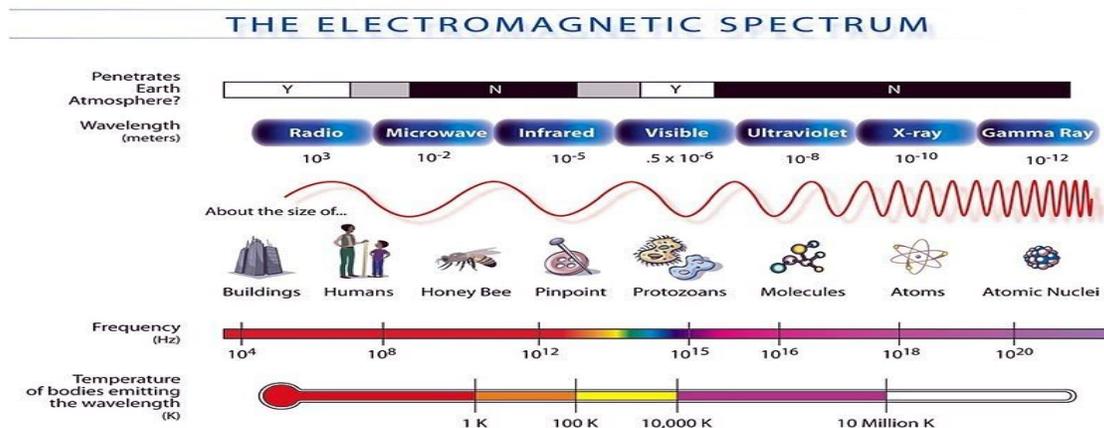
"تَعْرُجُ الْمَلَائِكَةُ وَالرُّوحُ إِلَيْهِ فِي يَوْمٍ كَانَ مِقْدَارُهُ خَمْسِينَ أَلْفَ سَنَةٍ"

4- "The angels and the Spirit will ascend to Him during a Day the extent of which is fifty thousand years."

The prophet brain-wave resonated with photon angel wave and could travel in a speed more than "c". Note that the speed of light reached in the travel is more than 299 792 458 m / s but it is the speed mentioned in the verse "in a day the extent of which is fifty thousand years." This latter speed is 545471426580 m/ s.

Another explanation is that The Geedon soul particle of the prophet made particles-interaction which is the "collision". This collision transfers the energy from photon "Angels" of this speed 545471426580 m/ s to human soul particle Geedon.

The particles collision will be more developed in later chapter.



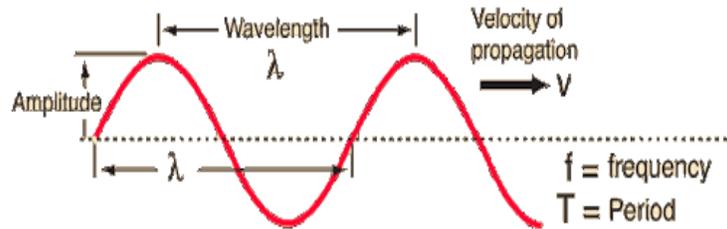
D-2 The reviving of birds

The same thing had happened before with prophet ibrahim when he could resonate by his soul Geedon particle and mind wave frequency with a lower wave frequency of the dead birds' souls to increase their wave speed and bring it up to speed faster than "c" and travel to the past when they had been alive before he slaughtered them.

Here the new wave created by resonance has a speed faster than "c" but we can't calculate its frequency or length or amplitude for lack of data.

We know that wave speed is related to both wavelength and wave frequency. Wavelength is the distance between two corresponding points on adjacent waves. Wave frequency is the number of

waves that pass a fixed point in a given amount of time. This equation shows how the three factors are related:



$$\text{Speed} = (\text{Wavelength}) \times (\text{Wave Frequency})$$

In this equation, wavelength is measured in meters and frequency is measured in hertz (Hz), or number of waves per second. Therefore, wave speed is given in meters per second, which is the SI unit for speed.

We can not make these calculation for lack of informations in the event about these three elements of the formula.

D-3 The man who slept for 100 years

The verse of quran says actually that god "caused him to die" but in my opinion I interpret it as he had slept exactly like the seven sleepers of the cave.

Scholars are not sure of this personage, was he an excellent worshipper or more than that, the prophet UZAIR.

In concordance with my resonance idea, I have to admit that he is a prophet because he resonated with the dead monkey soul's particle Geedon wave to create a new wave faster than light so that the soul's particle of the donkey can travel to the past and come back to the time when it was alive (100 years ago).

The man's very enhanced gamma wave looks like prophet ibrahim's and prophet Muhammad's (peace be upon them) soul Geedon and mind gamma wave speed. This means that he is a prophet because none can reach wave speed $> "c"$ except prophets who excel in obedience.

Uzair (pbuh) resonated with the foods wave creating new wave in speed of light which caused his time and age to stop for 100 years and the food remained intact.

We can ask a question, why Uzair (pbuh) while sleeping did resonate with food and traveled with him but did not resonate with the donkey until he woke up.

I think that the wave speed of uzair (pbuh) was slowed down in the donkey body medium because the donkey **body density** is higher than food.

Then after he woke up he could resonate with the donkey wave and kept exerting disturbance on his wave until it became faster than "c".

Then we conclude that resonance is more successful in awakesness as it happened with prophet ibrahim in his awakesness with the birds than resonance in sleep.

This could remind us the event of prophet moses when he split the sea to make a way in it in surah shuara verse 63:

"فَأَوْحَيْنَا إِلَىٰ مُوسَىٰ أَنْ اضْرِبْ بِعَصَاكَ الْبَحْرَ ۖ فَانفَلَقَ فَكَانَ كُلُّ فِرْقٍ كَالطَّوْدِ الْعَظِيمِ"

"Then We inspired to Moses, "Strike with your staff the sea," and it parted, and each portion was like a great towering mountain."

Notice that moses touched the red sea with his staff because its **density** is very high because of its high degree of salinity. The Red Sea is one of the saltiest bodies of water in the world, owing to high evaporation and low precipitation; no significant rivers or streams drain into the sea, and its southern connection to the Gulf of Aden, an arm of the Indian Ocean, is narrow. Its salinity ranges from between ~36 ‰ in the southern part and 41 ‰ in the northern part around the Gulf of Suez, with an average of 40 ‰. (Average salinity for the world's seawater is ~35 ‰ on the Practical Salinity Scale, or PSU; that translates to 3.5% of actual dissolved salts.)

I do think that salinity makes it dens and that slow prophet moses (pbuh) brain-waves and soul's particle Geedon wave speed from resonating with the sea wave and disturb it until it breaks two apart. For that reason the prophet moses (pbuh) had to touch the water and keep transferring his waves high frequencies to it to resonate and break it.

Exactly as human voice wave resonates with glass natural frequency to break it or the wind wave resonates with bridge natural frequency till it collapses.

We know that sea waves when they resonate with wind wave, the sea wave starts to move higher and higher but the wind can not exert more disturbance to the point to split the sea. Though, humans like prophet mooses with his gamma high frequency brain-wave and soul particle Geedon wave could keep disturbing the sea wave by transferring it through the matter of the stuff to the atoms of the sea.

The same concept of resonance apply and explain the events of prophet jesus (pbuh) in the verse 49 surah Aal-i-Imraan :

"وَرَسُولًا إِلَىٰ بَنِي إِسْرَائِيلَ أَنِّي قَدْ جِئْتُكُمْ بِآيَةٍ مِّن رَّبِّكُمْ أَنِّي أَخْلُقُ لَكُمْ مِنَ الطِّينِ كَهَيْئَةِ الطَّيْرِ فَأَنْفُخُ فِيهِ فَيَكُونُ طَيْرًا بِإِذْنِ اللَّهِ وَأُبْرِئُ الْأَكْمَهَ وَالْأَبْرَصَ وَأُحْيِي الْمَوْتَىٰ بِإِذْنِ اللَّهِ وَأَنْبِئُكُمْ بِمَا تَأْكُلُونَ وَمَا تَدْخُرُونَ فِي بُيُوتِكُمْ إِنَّ فِي ذَلِكَ لَآيَةً لَّكُمْ إِن كُنْتُمْ مُّؤْمِنِينَ"

49- "And [make him] a messenger to the Children of Israel, [who will say], 'Indeed I have come to you with a sign from your Lord in that I design for you from clay [that which is] like the form of a bird, then I breathe into it and it becomes a bird by permission of Allah . And I cure the blind and the leper, and I give life to the dead - by permission of Allah . And I inform you of what you eat and what you store in your houses. Indeed in that is a sign for you, if you are believers."

D-4 The youths of the cave

The seven sleepers resonated with the dog on distance and caused him to travel through their wave in speed of "c". Here the dog density is not as high as donkey's density which allowed the resonance to succeed and the new wave not to slow down and could go together as fast as light speed leaving all their bodies on the ground.

Here the brain-waves and Geedon's wave of the sleepers were not enhanced to the same level as prophet's level of speed because they did not practise as many religious spiritual "meditative" exercises as prophets did. That what explain why the travel was through sleep not through awakensness with bodies.

D-5 The man who has knowledge of the scripture

As waves travel through a medium two properties affect wave speed:

- Density : the higher the density the slower the wave;

- Elasticity : waves travel faster through materials that are more elastic.
- Temperature: The speed of waves increase as temperature increases. This is due to the increased kinetic energy of the air molecules and the decrease in density.

The frequency of this man's Geedon and brain-waves were not too high speed because he did not as many spiritual religious exercises as the prophets and that's why he could not enhance his wave speed to light speed. His speed to bring saba throne, traveling with his body, was limited to 22000 km/s. Moreover the throne was high density and out of the parameter that we will discuss in next part of the book. The location of the throne out of the attraction field obliged the man to travel the distance with his body and brings the matter dens of the throne.

4- The Properties of the force of attraction:

A- Large circle diameter :

If you are in center of a circle and you trace a very long diameter and you make the circle circumference, all the area covered by the circle is the attraction field that I will detail.

Prophet Ibrahim (pbuh) event is the main event that will set the parameters for all the others. The prophet Ibrahim did pull the birds placed on 4 mountains that are presumed to be close to him. The attraction field has to be a line passing through 4 points.

all the points on that line has to be on the same distance from the center.

Any quadrilateral even a square with equal 4 segment length and equal 4 angles can not be conform to the conditions because their vertices are far from the center than any other point on its segments.

So the only geometric shape that is conform to the observations from events has to be circle with long diameter.

How far were birds placed from prophet Ibrahim ? We have no accurate data but we can estimate.

The verse is about 4 kind of birds which means that number of mountains are most probably to be 4. These mountains must be surrounding the neighborhood of his house. But were they real mountains or just hills ?

The verse use the word "mountains" but I don't think that the prophet climbed Everest-like mountain to do his experiment. Common sense and simple logic can help us estimate these mountains.

Hills and mountains are both natural land formations that rise out of the landscape. There is no universally accepted standard definition for the height of a mountain or a hill, and this can make it difficult to differentiate between the two.

According to the USGS, up until the 1920s, the British Ordnance Survey defined a mountain as a geographic feature rising higher than 1,000 feet (304 meters.) The United States followed suit and defined a mountain as having a local relief higher than 1,000 feet. This definition, however, was dropped in the late 1970s.

Some accepted characteristics of a mountain are:

- A very steep rise in the landscape that is often abrupt in comparison to its surroundings;
- A minimum height of just over 2,000 feet (610 meters)

Depending on the slopes and elevation, mountains can be a challenge to climb and that's why I don't think that the mountains chosen by prophet ibrahim were very high and steep because the purpose of the test is not to go high and far but just to separate the dead birds.

Am going to propose an **average** of 800 meters of high of the 4 mountains (definitely the 4 mountains had different highs) and that the birds were not put on the summit but just in the middle. The birds put on a high of 400 meters from the base of each mountain (the high is not straight line).

Note here that it's useless to make calculus to calculate distance from base of the mountain to the middle because we have no precise informations about these mountains. It's all set in logical accepted approximation.

Then let's propose that the distance between the center point where prophet ibrahim stands and the base of each mountain is 400 meters ; that makes a distance between prophet ibrahim and each bird approximately 800 meters.

This number is the diameter of the circle of the force of attraction that he will exert on birds with a central point "o" where prophet ibrahim stands and **call them**.

This field deduced from event of prophet ibrahim (pbuh) will be my assumption admitted field of force of attraction necessarily to all human Geedon wave and brain-waves to resonate with

another wave to make time travel. Out of that area or circle circumference it's impossible to make any time travel or attraction on other matter to travel with the attractor even for prophets as long as god did not set another physical law to make it possible.

The case of very distant prayer to heal someone is not a case of time travel and is not subject to my study in this book.

In this field, fall the cases:

- The man of township who called (attracted) his donkey and was observing the monkey bones being recovered by flesh. Logically speaking, a clear eye observation is possible only within a distance ≤ 3 meters).
- The youths of the cave who called (attracted) their dog. We know as muslim that dog is not allowed to sleep in the same room as human, it means that he was sleeping outside the cave in a distance approximately ≥ 50 meters.

So these distances fall in the circle area with 1600 meters diameter (radius 800 meters).

This circle attraction area is $800^2 \times 3,14159 = 2010619,2982 \text{ m}^2$ which is $640000\pi(\text{m}^2)$.

- The food and the donkey attracted by prophet uzair (pbuh) were within this circle area.
- The throne brought by the man who has knowledge the scripture who traveled with his body at 22000 km/s went close to the throne then bring it in the same speed; was also within the circle area.

Then we can say that the attraction field is a circle area of approximately $640000\pi(\text{m}^2)$.

This circle area cover also the event of prophets jesus and moses (peace be upon them).

The distance between the attractor (human) and the attracted (plants, humans, matters and animals) is zero in the center of the circle. For example who travels carry with him his worn clothes because distance is zero between him and his clothes like prophet Muhammad (pbuh) in mira-aj event.

Then we can say beyond that area no human can attract anything.

B- Distance-Time

First let's clarify that the photon speed "c" is constant for regular for only information communication. But we have noticed from the quran that some angels can exceed that speed which is described in the verse 4 surah Al-Ma'arij :

"تَعْرُجُ الْمَلَائِكَةُ وَالرُّوحُ إِلَيْهِ فِي يَوْمٍ كَانَ مِقْدَارُهُ خَمْسِينَ أَلْفَ سَنَةٍ"

4-"The angels and the Spirit will ascend to Him during a Day the extent of which is fifty thousand years."

The phenomenon of Geedon-photon interaction that caused the energy transfer from Photon to Geedon I can interpret it by two possibility:

The first : The interaction photon-Geedon creates new energy that gives the photon higher speed than "c" and gives the Geedon as fast speed as the photon speed.

The second : There exists a photon prime γ' which is different from the photon γ that we all know. γ' is faster than "c" and when it interacts with Geedon γ' -G it transfer its energy to it and both can go on a speed faster than "c" as the verse cited above described it.

This interaction is to cause to human to travel in high speed \square or \square than c.

Another phenomenon is the resonance between Geedon wave and other animal, plant, matter particle which it causes their attraction to travel with humans at their speed or to come back to life.

These two phenomena that I deduced from the quran have some parameters that I will try to define from the verses.

The distance "d" is deduced from these verses, even though it is not measured.

It's the distance that the performer of the experiment made away from the space where his group of people that he used to live in.

The performer is:

- The person who traveled through time;
- The person who pulled animal or plant or matter in a travel through time;
- The person who brought animal to life;

These persons, prophets or excellent god servants, they withdrew from their social groups before experiment happened.

The distance of withdrawal is unknown in the quran but we can understand that the more distance from point "A" where social group to point "B" where experiment happened, the longer time the travel in time can last.

We have:

B1- Attractive Resonance

+ *The man who brought saba's throne:*

That man travelled at speed of 22000 km/s with his body. The man we assumed that he withdrew in silent corner from prophet solomon's army reunion and then travelled. Such a withdrawal shouldn't be far from the reunion space-point "A". The space-point "B" to where he withdrew can be estimated to be 20 meters.

$T = 0.2$ second

$D = 20$ meters

I will use these data to calculate the distances in all the other events. Every 20 meters you get from space-point "A" to space-point "B", you will have more quietness to enhance your gamma brain waves and the speed of your Geedon particle ; your Geedon speed increases of 0.2 second.

This event is mixed of awake time travel and resonance attraction. The man travelled 22000 km/s and attracted the throne at the same speed.

"A" = space-point where the person has his social group that he will withdraw from.

"B" = space-point where the person withdraw far from his social group.

Distance from "A" to "B" is 20m = Geedon "T" 0.2s and resonance attraction "T" is 0.2s

So our unit will be : $D = 10$ meters = $T = 0.1$ second.

$$f(D)_m = 100 \times T_s \text{ or}$$

$$f(T) = 1 \div D$$

I will use this function to determine the other non priced distances in resonance attraction

+ **Prophet Ibrahim (pbuh)**

What's the distance "D" between "A" where the prophet Ibrahim (pbuh) was living within his social group and "B" where is located the four mountains ?

$$\text{The function : } f(D)_m = 100 \times T_s$$

The time "T" that he spent in point "B" space is unknown but logically also I can estimate that he is not going to spend more than 1 minute for the birds to get back to life and come back to him.

$$1 \text{ minute} = 60 \text{ seconds}$$

$$f(D)_m = 100 \times 60$$

$$D = 6000 \text{ meters or } 6 \text{ km.}$$

The prophet Ibrahim went to the mountains point space "B" far from his family point space "A" with unknown distance. This distance according to my function is 6 km.

$$D = 6 \text{ km}$$

$$T = 60 \text{ seconds}$$

Result resonated with birds and traveled > "c" for 60 seconds

+ **Prophet Uzair (pbuh)**

What's the distance "D" between "A" where the prophet Uzair (pbuh) was living within his social group and "B" where is located the ruined town ? We already estimated that the prophet is approximately 10 km away from his social group. So how long the process of reviving the donkey took "T" ?

$$\text{The function : } f(D)_m = 100 \times T_s$$

$$f(10000)_m = 100 \times T_s$$

$$T_s = 10000_m \div 100 = 100 \text{ seconds or } 1\text{m}:40\text{s}$$

D = 10 km

T = 1m:40s

Result, he caused the donkey to travel in a speed > "c" during 1m:40s

Note that birds needed 60 seconds and donkey needed 1 minute 40 seconds because of the density of the donkey > density of birds.

B2- Travel through time

+ *The seven sleepers:*

- **Distance**

Kahf Al-Raqim or The Cave of The Seven Sleepers. Mentioned in the Holy Qur'an in a Sura named Al-Kahf (the Cave), it is located outside the village of Al-Raqim, 10 km east of Amman.

This event is comparable to the Hegira (هِجْرَة, Hijra or Hijrah, meaning "departure"). The hijra is the migration or journey of the Islamic prophet Muhammad and his followers from Mecca to Yathrib, later renamed by him Medina, in the year 622. In May 622, after being warned of a plot to assassinate him, Muhammad secretly left his home in Mecca to emigrate to Yathrib, 320 km (200 mi) north of Mecca, along with his companion Abu Bakr. Yathrib was soon renamed Madīnat an-Nabī (Arabic: مَدِينَةُ النَّبِيِّ, literally "City of the Prophet"), but an-Nabī was soon dropped, so its name is "Medina", meaning "the city". This migration was done in 11 days.

Some migrants they did it on feet which means that such a long distance is doable on feet during many days, the amplitude of the sacrifice will give birth to the first islamic state. And I can imagine that the seven sleepers, may have made such a distance to escape the persecution.

Logically in ancient epoks, the longer distance "D" you go far from the social group the less probability there would be to find out about the event. Then the longer your time travel could be.

Since I don't have enough information how was that space inhabited and spaces urbanised, can we take the 10 km as a distance between space-point "A" and space-point "B" ?.

The youths were escaping the emperor religious persecution against christians. Their migration was done on feet with a dog and obviously some food and money.

The prosecution usually establishes a complete system of spies and soldiers patrolling the farthest point in the city.

The distance between space-point "A" where the youths social group and the space-point "B" where the cave is located must not be large distance. The proof is the verse 19 surah Al-Kahf:

"وَكَذَلِكَ بَعَثْنَاهُمْ لِيَتَسَاءَلُوا بَيْنَهُمْ قَالَ قَائِلٌ مِّنْهُمْ كَمْ لَبِثْتُمْ قَالُوا لَبِثْنَا يَوْمًا أَوْ بَعْضَ يَوْمٍ قَالُوا رَبُّكُمْ أَعْلَمُ بِمَا لَبِثْتُمْ فَابْعَثُوا أَحَدَكُمْ بِوَرِقِكُمْ ذَٰلِكَ إِلَى الْمَدِينَةِ فَلْيَنْظُرْ أَيُّهَا أَزْكَى طَعَامًا فَلْيَأْتِكُمْ بِرِزْقٍ مِّنْهُ وَلْيَتَلَطَّفْ وَلَا يُشْعِرَنَّ بِكُمْ أَحَدًا"

19-"And similarly, We awakened them that they might question one another. Said a speaker from among them, "How long have you remained [here]?" They said, "We have remained a day or part of a day." They said, "Your Lord is most knowing of how long you remained. **So send one of you with this silver coin of yours to the city and let him look to which is the best of food and bring you provision from it** and let him be cautious. And let no one be aware of you."

This hidden closed cave in mountains can not be very far from the city. It's a walkable distance and food had to resist the implicit logical "expiration date". Such a distance can be estimated to the 10 km in the surrounding mountains.

- **Time**

T = 300 solar years (309 lunar years)

But the seven sleepers in the verse they felt it "part of a day". Let's convert the 300 years according to the rule of verse 47 surah Al-Hajj:

"وَيَسْتَعْجِلُونَكَ بِالْعَذَابِ وَلَنْ يُخْلِفَ اللَّهُ وَعْدَهُ وَإِنَّ يَوْمًا عِنْدَ رَبِّكَ كَأَلْفِ سَنَةٍ مِّمَّا تَعُدُّونَ"

47-"And they urge you to hasten the punishment. But Allah will never fail in His promise. And indeed, a day with your Lord is like a thousand years of those which you count."

86400 seconds of light = 1000 solar years

1000 years ÷ 300 years = 3,3333333333

86400 seconds of light ÷ 3,3333333333 = 25920 seconds of light

25920 seconds = **7h:12m:26s of light**

When they asked themselves how long did we sleep, one of them answered a day or a part of a day. **7h:12m of light** is actually felt as a day (8 earth hours or part of it : 7:12).

So the seven sleepers spent actually 7:12:26 hours traveling at speed of light 299 792 458 m / s.

The distance travelled is:

$$299\,792\,458\text{ m/s} \times 25920\text{ s} = 7.770.620.511,360\text{ km (almost 8 billions km).}$$

Hence :

If Time "T" = 300 earth years/ 7h:12m of light.

What's the distance D between "A" where the seven sleepers were living within their social group and "B" where is located the cave ?

We estimated the "D" 10000 meters

The function would be : $f(D)_m = 0,3858024691 \times T_s$

"T" will be counted as light time.

$$10000\text{m} = 0,3858024691 \times 25920\text{s}$$

The result was : Travel (with dog pulling) = "c".

+ **The man who slept 100 years:**

The man's experiment lasted 100 earth years and nobody found out about him which means the township (Space-point "B") he slept in, was far from his social group (Space-point "A").

The township according to historians is Beit al-Maqdis "Jerusalem"

Here with the same logic we can say

- **Time**

$$T = 100\text{ solar years}$$

$$86400\text{ seconds of light} = 1000\text{ solar years}$$

$$1000\text{ years} \div 100\text{ years} = 10$$

$$86400\text{ seconds of light} \div 10 = 8640\text{ seconds of light}$$

$$8640\text{ seconds} = 2\text{ hours } 24\text{ min of light}$$

When the man woke up he thought he slept for a day or part of it. Actually he slept 2 hours 24 min of light.

$$\text{The distance travelled is : } 299\,792\,458\text{ m/s} \times 8640\text{ s} = 2.590.206.837,120\text{ km}$$

- **Distance**

The trip of the prophet uzair (pbuh) was done on the donkey according to historians.

Researches has shown that the pace of a loaded donkey in the desert varies a little, on average been somewhere between 4.5 and 5.7 km/h. A donkey loaded with light load of 25 to 70 kg travelling 6 hours walks at a steady 4 km/h can cover 24 km with no rest. A donkey burdened with slightly heavier load between 50 and 80 kg can be forced to walk at a pace of 5 km/h will tire after 4 hours, thus cover only 20 km.

Our function is : $f(D)_m = 0,3858024691 \times T_s$

$D_m = 0,3858024691 \times 8640s$

$D_m = 3333,333333024$ meters or 3,333 km

The result was : Travel (with food plant pulling) = "c".

Here from these two event we can deduce that:

D 10km = T 300 years (7h:12m)

D 30km = T 100 years (2h:24m)

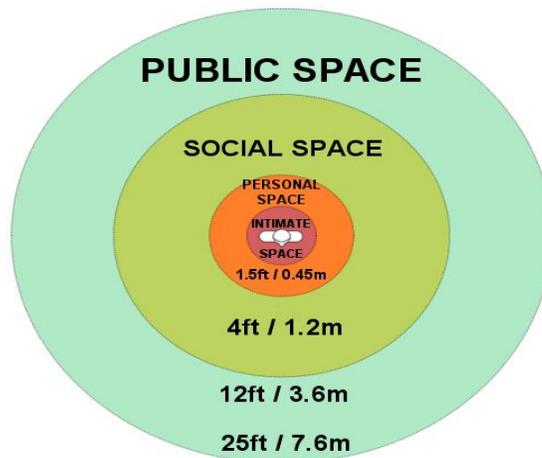
The both events look the same but one travel lasted longer. Can we know why ? I think that Prophet Uzair travelled for 100 earth years (8640 light seconds) because he was only 3,333 km from his social group and the quietness for brain-waves gamma and Geedon wave speed was enough only for 8640 light seconds. On the other hand, the youths of the cave went farther from their social group about 10 km to have more quietness for gamma and geedon waves to be faster and that's why they traveled 300 years (25920 light seconds).

So the farther you go from your social group the longer time you sleep- travel in time.

B3-The perfect interpersonal social distance :

Modern scientists measure the interpersonal distances as pictured below between 1,2 and 3,6 then an average of $1,2 + 3,6 = 4,8$.

$4,8 \div 2 = 2,4$ meters.



According to my function to sleep-travel or awake-travel in speed of light during 1 second you need to be away from the noise and wave perturbation $1 \div 0,3858024691 = 2,5920000002$ meters. It means you have to be in an empty space of an area of $2,5920000002$ meters radius circle. The circle area $\pi r^2 = 3,14 \times 2,5920000002^2 = 21,106677149$ m².

I think that we can set the $2,5920000002$ meters as the perfect interpersonal social space between individuals instead of 2,4.

I would like to express this resonance phenomena of the human been soul particle that I call GEEDON by a personal written free verses poem:

يَا رُوحَ طَيِّبِي

وَ طَابَتْ رُوحِي لِذِكْرِ اللَّهِ لَمَّا طَابَ
سَبَحْتُ فِي أَقْطَارِ الْمُلْكِ ذَهَابًا وَ إِيَابًا
أُعَانِقُ الطُّيُورَ وَ النُّجُومَ وَ الْأَحْبَابَ
طَرَقْتُ نَوَافِدَ السَّمَاوَاتِ وَ الْأَبْوَابَ
مَوْتُتٌ ثُمَّ بَعْتُتُ ثُمَّ مَا تَدَبَّرْتُ الْكِتَابَ
إِنْطَرَحْتُ نَفْسِي فَلَمَّا جَمَعْتُهَا إِيَجَابًا
كَانَ صَحِيحًا مِثْلَمَا وَجَدْتُهُ الْحِسَابَ

Light and soul collision

And when he spoke to me, I saw the light
My soul resonated, as wide as the height
I hugged the birds and the stars, all delight
I swam the seven heavens, there's no eight
I saw the book, but I've never seen the sight
I tried counting all numbers, the whole night
As I added my soul, calculation turned right

Amine: Tunisian in montreal
20 March 2020

Chapter V

The Planets of the dream

The verse 4 and 100 of surah Yusuf state:

"إِذْ قَالَ يُوسُفُ لِأَبِيهِ يَا أَبَتِ إِنِّي رَأَيْتُ أَحَدَ عَشَرَ كَوْكَبًا وَالشَّمْسَ وَالْقَمَرَ رَأَيْتُهُمْ لِي سَاجِدِينَ" 4

4- "[Of these stories mention] when Joseph said to his father, "O my father, indeed I have seen [in a dream] eleven stars and the sun and the moon; I saw them prostrating to me."

"وَرَفَعَ أَبَوَيْهِ عَلَى الْعَرْشِ وَخَرُّوا لَهُ سُجَّدًا وَقَالَ يَا أَبَتِ هَذَا تَأْوِيلُ رُؤْيَايَ مِن قَبْلُ قَدْ جَعَلَهَا رَبِّي حَقًّا وَقَدْ أَحْسَنَ بِي إِذْ أَخْرَجَنِي مِنَ السِّجْنِ وَجَاءَ بِكُمْ مِنَ الْبَدْوِ مِن بَعْدِ أَنْ نَزَغَ الشَّيْطَانُ بَيْنِي وَبَيْنَ إِخْوَتِي إِنَّ رَبِّي لَطِيفٌ لِّمَا يَشَاءُ إِنَّهُ هُوَ الْعَلِيمُ الْحَكِيمُ" (100)

100-"And he raised his parents upon the throne, and they bowed to him in prostration. And he said, "O my father, this is the explanation of my vision of before. My Lord has made it reality. And He was certainly good to me when He took me out of prison and brought you [here] from bedouin life after Satan had induced [estrangement] between me and my brothers. Indeed, my Lord is Subtle in what He wills. Indeed, it is He who is the Knowing, the Wise."

This event is another amazing story, like the previous one that God informed us about it to teach us. Really these events when I interpreted them I was more amazed. The verse 3 surah yusuf states:

"نَحْنُ نَقُصُّ عَلَيْكَ أَحْسَنَ الْقَصَصِ بِمَا أَوْحَيْنَا إِلَيْكَ هَذَا الْقُرْآنَ وَإِن كُنْتَ مِن قَبْلِهِ لَمِنَ الْغَافِلِينَ"

3-"We relate to you, [O Muhammad], the best of stories in what We have revealed to you of this Qur'an although you were, before it, among the unaware."

In this event of the vision seen by prophet yusuf (pbuh) in his dreams and how it really happened in his real life, there is no ambiguity.

The explanation and the interpretation of the 11 stars and the sun and the moon prostrating to him was given by the prophet yusuf himself. I don't think that I will interpret it better than he did. But I have a legitimate fruitful question :

The prophet Yā'qub ibn Ishāq ibn Ibrāhīm was pictured in the dream (vision) by the sun and the aunt of prophet yusuf (his mother already passed away) was pictured by the moon. All his 10 brothers and 1 sister were pictured by stars "planets".

We already know the sun and the moon but we don't know the name of the other stars (planets) for sure. Whom does each planet or star represents ?

A hadith of prophet muhammad (pbuh) named them. I will mention this hadith and I am going to use it. The reason why I am going to use it in my analysis is that many of the early scholars held the firm opinion that to act upon, or derive rulings from a hadith which has been declared to be "weak" by the scholars of hadith is unacceptable. Their reasoning being that Islam has no need of anything weak, and the authentic material of Islam will suffice for all time, the weak "da'if" hadith amounting only to a conjecture which has the possibility of being correct. The hadith that mentions these planet has the possibility of being correct.

Our solar system planets are arguably around 8 but the verse 4 of surah yusuf mentioned 11.

I will try to resolve this mystery and know which planet represents who and what are the missing stars using a logic method. I will not set a general rules for all families using astrology because I don't believe in astrology as a science to predict humans' behaviour.

Jacob is said to have had twelve sons by four women, his wives, Leah, Rachel, Bilhah and Zilpah, who were, in order of their birth, Reuben, Simeon, Levi, Judah, Dan, Naphtali, Gad, Asher, Issachar, Zebulun, Joseph, and Benjamin, all of whom became the heads of their own family groups, later known as the Twelve Tribes of Israel, and it is also known that he had a daughter, Dinah.

I present them in the following birth order with the meaning of their names :

- 1- Reuben (Leah), the first "behold, son";
- 2- Simeon (Leah), the second "God hears";
- 3- Levi (Leah), the third "joined";
- 4- Judah (Leah), the fourth "let him [God] be praised";
- 5- Dan (Bilhah servant of Rachel), the fifth "judge";
- 6- Naphtali (Bilhah), the sixth "my wrestling between Rachel and Leah";
- 7- Gad (Zilpah servant of Leah), the seventh "good fortune";
- 8- Asher (Zilpah), the eighth "happy";

9- Issachar (Leah), the ninth "there is a reward" Leah's opinion that the birth of Issachar was a divine reward for giving her handmaid Zilpah to Jacob as a servant;

10- Zebulun (Leah), the tenth "honor, gift"

honour, in reference to Leah's hope that Jacob would give her honour now that she had given birth to six sons. Leah's view that her gaining of six sons was a gift from God;

11- Joseph (Rachel), the eleventh "may God add", meaning "add": "And she called his name Joseph; and said, The LORD shall add to me another son.";

12- Benjamin (Rachel), the twelfth "son of the right hand".

"Son of the south", with south derived from the word for the right hand side, referring to the birth of Benjamin in Canaan, as compared with the birth of all the other sons of Jacob in Aram.

Modern scholars have proposed that "son of the south" / "right" is a reference to the tribe being subordinate to the more dominant tribe of Ephraim. Alternatively, Rashi suggests it means "son of days", meaning a son born in Jacob's old age over 100 years old.

Dinah the only daughter of Leah.

The verse stated clearly that:

- 1- The sun represents the prophet Jacob;
- 2- The moon of the earth represents his aunt
(she loved him too much as his dead mother Rachel);
- 3- Eleven planets.

The question is: If the parents and family members were figured by planets, then who is Joseph in the planets ?

The answer very logic. Joseph **can not** be out of the planets family picture. Joseph is **definitely the earth**.

We know from the event that Joseph was chosen by God to pursue the message after his father Jacob and that he will be a better prophet "messenger" than his father and that is the reason why his father prostrated to him.

The sun is prophet Jacob (pbuh) that was shining on all the family members "planets" and educating them and giving them energy (heat and light) to grow and carry message of God.

The most who absorbed that energy was prophet Joseph (pbuh) and that's why he is the planet earth and no one can be represented by the earth except him. The best son have the best picture.

The moon of the earth is his aunt very close to him with maximum gravitational force exerted on earth of $2.21E+20$ N and minimum of $1.76E+20$ N.

In the Quran the interpretation of the dream-vision was set that the 11 brothers prostrated but not the sister. We still can find the planet that represents her in our solar system that it did not prostrate and was not mentioned in the verse.

According to my analysis , we have excluded sun, earth and moon from our solar system and we still have 12 planets. In the other hand we excluded father (prophet jacob pbuh), aunt and prophet joseph (pbuh) and have left 12 members (11 brother + 1 sister = 12)

You may be still wondering how I am going to link each remaining member to the rest of the planets!.

My approach is logically admitted.

I have a question for the reader. Since god pictured the father as a sun and the son as the earth and the aunt "mother" as the moon, it means there is a resemblance between the family and the picture. The relation between planets is governed by **gravity** and the relation between all family members could be explained by natural attraction "gravity" that keeps members close to each other and live together and **rotate** around each other.

My approach is to calculate each gravitational force between the sun "father" and each planet "sons or daughter".

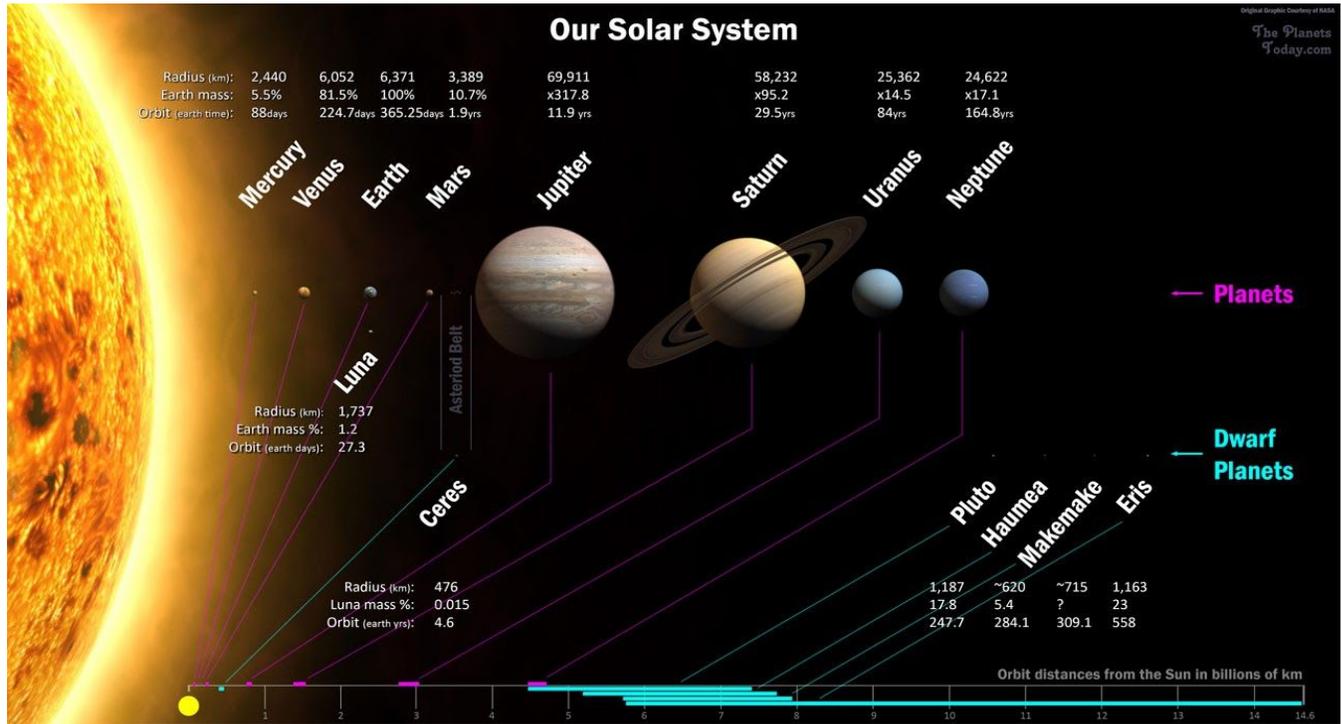
once the values are determined ,then I will put them in a descending order then I will pursu my analysis with you.

I did not found any other more evident and logic criterion to link the family to planets better than gravity that I concluded from the verse itself. This criterion will conduct us to acceptable results Let's now take a look on our solar system.

I- Our solar system

1- Introduction

Before we try to know which planet represents who, I need to introduce the planets to you briefly and if you need more informations, there are plenty of astronomical books describing the planets out there.



The planets in our solar system are really fascinating word for curious, researchers and publics who are interested to know where we humans live and what will be our future as a specie.

Scientists categorise our planets to 3 different categories :

A- The inner terrestrial planet

Terrestrial planets are Earth-like planets made up of **rocks or metals** with a hard surface. Terrestrial planets also have a molten heavy-metal core, few moons and topological features such as valleys, volcanoes and craters.

In our solar system, there are four terrestrial planets, which also happen to be the four closest to the sun: Mercury, Venus, Earth and Mars.

The definition of "planet" from the International Astronomical Union is controversial. The IAU defines a planet as:

- 1- A celestial body that is in orbit around the sun,
- 2- Has a nearly round shape,
- 3- Has mostly cleared its orbital neighborhood of debris.

Scientists are divided in particular on the third point, with some saying that it's hard to define how much clearing a planet does, while others saying a world like Pluto would clear less than a world like Earth. This means that some astronomers argue that the dwarf planet Pluto should be classified as a planet, along with various other dwarf planets scattered throughout the solar system.

The classification of Pluto as dwarf planet or as a planet will not affect our search because when prophet Joseph (pbup) said that he saw in his dream-vision 11 planets, he did not classify them. He mentioned the sun and the moon (obviously he was talking about the moon of the earth not moons of other planets). Then he added 11 other planets or "dwarf planets".

I would like to give more details about these inner terrestrial planets, that will help later in my analysis :

A-1- Mercury

Mercury is the smallest terrestrial planet in the solar system, about a third the size of Earth. **It has a thin atmosphere, which causes it to swing between burning and freezing temperatures.** Mercury is also a dense planet, composed mostly of iron and nickel with an iron core. Its magnetic field is only about 1 percent that of Earth's, and the planet has no known moons. The surface of Mercury has many deep craters and is covered by a thin layer of tiny particle silicates. In 2012, scientists found extensive evidence of organics — the building blocks of life — as well **as water ice in**

craters shaded from the sun. Mercury's thin atmosphere and close proximity to the sun mean it's impossible for the planet to host life as we know it.

A-2- Venus

Venus, which is about the same size as Earth, has a thick, toxic carbon-monoxide-dominated atmosphere that traps heat, making it **the hottest planet in the solar system**. Venus has no known moons. Much of the planet's surface is marked with volcanoes and deep canyons. The biggest canyon on Venus stretches across the surface for nearly 6,500 kilometers. And it's possible that at least some of the planet's volcanoes are still active. Few spacecraft have ever penetrated Venus' thick atmosphere and survived. And it's not just spacecraft that have trouble getting through the atmosphere — there are fewer crater impacts on Venus than other planets because only the largest meteors can make it. The planet is hostile to life as we know it.

A-3- Earth

Of the four terrestrial planets, Earth is the largest, and **the only one with extensive regions of liquid water**. Water is necessary for life as we know it, and life is abundant on Earth — from the deepest oceans to the highest mountains. Like the other terrestrial planets, Earth has a rocky surface with mountains and canyons, and a heavy-metal core. Earth's atmosphere contains water vapor, which helps to moderate daily temperatures. The planet has regular seasons for much of its surface; regions closer to the equator tend to stay warm, while spots closer to the poles are cooler and in the winter, icy. The Earth's climate, however, is warming up due to climate change associated with human-generated greenhouse gases, which act as a trap for escaping heat. Earth has a northern magnetic pole that is wandering considerably, by dozens of miles a year; some scientists suggest it might be an early sign of the north and south magnetic poles flipping. The last major flip was 780,000 years ago. Earth has one large moon that astronauts visited in the 1960s and 1970s.

A-4- Mars

Mars has the largest mountain in the solar system, rising 78,000 feet (nearly 24 km) above the surface. Much of the surface is very old and filled with craters, but there are geologically newer areas of the planet as well. At the Martian poles are **polar ice caps** that shrink in size during the Martian spring and summer. Mars is less dense than Earth and has a smaller magnetic field,

which is indicative of a solid core, rather than a liquid one. While scientists have found no evidence of life yet, **Mars is known to have water ice and organics** — some of the ingredients for living things. Evidence of methane has also been found in some parts of the surface. Methane is produced from both living and non-living processes. Mars has **two small moons**, Phobos and Deimos. The Red Planet is also a popular destination for spacecraft, given that the planet may have been habitable in the ancient past.

B- The outer non-terrestrial planets

Not all planets are terrestrial. In our solar system, Jupiter, Saturn, Uranus and Neptune are **gas giants**, also known as Jovian planets. It's unclear what the dividing line is between a rocky planet and a terrestrial planet; some super-Earths may have a liquid surface, for example. In our solar system, **gas giants are much bigger than terrestrial planets, and they have thick atmospheres full of hydrogen and helium**. On Jupiter and Saturn, hydrogen and helium make up most of the planet, while on Uranus and Neptune, the elements make up just the outer envelope. These planets are also inhospitable to life as we know it, although this region of the solar system has icy moons that could have habitable oceans.

The outer planets (sometimes called Jovian planets or gas giants) are huge planets swaddled in gas. They all have rings and all of plenty of moons each. Despite their size, only two of them are visible without telescopes: Jupiter and Saturn. Uranus and Neptune were the first planets discovered since antiquity, and showed astronomers the solar system was bigger than previously thought.

B-1- Jupiter

Jupiter is the largest planet in our Solar System and **spins very rapidly** (10 Earth hours) relative to its orbit of the sun (12 Earth years). Its thick atmosphere is mostly made up of hydrogen and helium, perhaps surrounding a terrestrial core that is about Earth's size. The planet has dozens of moons, some faint rings and a Great Red Spot — a raging storm happening for the past 400 years at least viewed through telescopes.

B-2- Saturn

Saturn is best known for its **prominent ring system** — **seven known rings with well-defined divisions and gaps between them**. How the rings got there is one subject under investigation. It also has dozens of moons. Its atmosphere is mostly hydrogen and helium, and it also **rotates**

quickly (10.7 Earth hours) relative to its time to circle the Sun (29 Earth years). Saturn is currently being visited by the Cassini spacecraft, which will fly closer to the planet's rings in the coming years.

B-3- Uranus

The seventh planet from the Sun with the third largest diameter in our solar system, Uranus is **very cold and windy**. The ice giant is surrounded by 13 faint rings and 27 small moons as it rotates at a nearly 90-degree angle from the plane of its orbit. This unique tilt makes Uranus appear to spin on its side, orbiting the Sun like a rolling ball.

With a radius of 15,759.2 miles (25,362 kilometers), Uranus is 4 times wider than Earth. If Earth was the size of a nickel, Uranus would be about as big as a softball.

From an average distance of 1.8 billion miles (2.9 billion kilometers), Uranus is 19.8 astronomical units away from the Sun. One astronomical unit (abbreviated as AU), is the distance from the Sun to Earth. From this distance, it takes sunlight 2 hours and 40 minutes to travel from the Sun to Uranus.

One day on Uranus takes about 17 hours (the time it takes for Uranus to rotate or spin once). And Uranus makes a complete orbit around the Sun (a year in Uranian time) in about 84 Earth years (30,687 Earth days).

Uranus is the only planet whose equator is nearly at a right angle to its orbit, with a tilt of 97.77 degrees—possibly the result of a collision with an Earth-sized object long ago. This unique tilt causes the most extreme seasons in the solar system. For nearly a quarter of each Uranian year, the Sun shines directly over each pole, plunging the other half of the planet into a 21-year-long, dark winter.

Uranus is also one of just two planets that rotate in the opposite direction than most of the planets (Venus is the other one), from east to west.

Uranus is one of two ice giants in the outer solar system (the other is Neptune). Most (80 percent or more) of the planet's mass is made up of a hot dense fluid of "icy" materials—water, methane and ammonia—above a small rocky core. Near the core, it heats up to 9,000 degrees Fahrenheit (4,982 degrees Celsius).

Uranus is slightly larger in diameter than its neighbor Neptune, yet smaller in mass. It is the second least dense planet; Saturn is the least dense of all.

Uranus gets its blue-green color from methane gas in the atmosphere. Sunlight passes through the atmosphere and is reflected back out by Uranus' cloud tops. Methane gas absorbs the red portion of the light, resulting in a blue-green color.

As an ice giant, Uranus doesn't have a true surface. The planet is mostly swirling fluids. While a spacecraft would have nowhere to land on Uranus, it wouldn't be able to fly through its atmosphere unscathed either. The extreme pressures and temperatures would destroy a metal spacecraft.

Uranus' atmosphere is mostly hydrogen and helium, with a small amount of methane and traces of water and ammonia. The methane gives Uranus its signature blue color.

While Voyager 2 saw only a few discrete clouds, a Great Dark Spot and a small dark spot during its flyby in 1986, more recent observations reveal that Uranus exhibits dynamic clouds as it approaches equinox, including rapidly changing bright features.

Uranus' planetary atmosphere, with a minimum temperature of 49K (-224.2 degrees Celsius) makes it even colder than Neptune in some places.

Wind speeds can reach up to 560 miles per hour (900 kilometers per hour) on Uranus. Winds are retrograde at the equator, blowing in the reverse direction of the planet's rotation. But closer to the poles, winds shift to a prograde direction, flowing with Uranus' rotation.

Uranus has two sets of rings. The inner system of nine rings consists mostly of narrow, dark grey rings. There are two outer rings: the innermost one is reddish like dusty rings elsewhere in the solar system, and the outer ring is blue like Saturn's E ring.

In order of increasing distance from the planet, the rings are called Zeta, 6, 5, 4, Alpha, Beta, Eta, Gamma, Delta, Lambda, Epsilon, Nu and Mu. Some of the larger rings are surrounded by belts of fine dust.

Uranus has 27 known moons. While most of the satellites orbiting other planets take their names from Greek or Roman mythology, Uranus' moons are unique in being named for characters from the works of William Shakespeare and Alexander Pope.

All of Uranus' inner moons appear to be roughly half water ice and half rock. The composition of the outer moons remains unknown, but they are likely captured asteroids.

B-4- Neptune

Dark, **cold ice giant** and whipped by supersonic winds, ice giant Neptune is the eighth and **most distant** planet in our solar system. More than 30 times as far from the Sun as Earth, Neptune is the only planet in our solar system not visible to the naked eye. In 2011 Neptune completed its first 165-year orbit since its discovery in 1846.

Neptune is so far from the Sun that high noon on the big blue planet would seem like dim twilight to us. The warm light we see here on our home planet is roughly 900 times as bright as sunlight on Neptune.

With a radius of 15,299.4 miles (24,622 kilometers), Neptune is about four times wider than Earth. If Earth were the size of a nickel, Neptune would be about as big as a baseball.

From an average distance of 2.8 billion miles (4.5 billion kilometers), Neptune is 30 astronomical units away from the Sun. One astronomical unit (abbreviated as AU), is the distance from the Sun to Earth. From this distance, it takes sunlight 4 hours to travel from the Sun to Neptune.

One day on Neptune takes about 16 hours (the time it takes for Neptune to rotate or spin once). And Neptune makes a complete orbit around the Sun (a year in Neptunian time) in about 165 Earth years (60,190 Earth days).

Sometimes Neptune is even farther from the Sun than dwarf planet Pluto. Pluto's highly eccentric, oval-shaped orbit brings it inside Neptune's orbit for a 20-year period every 248 Earth years. This switch, in which Pluto is closer to the Sun than Neptune, happened most recently from 1979 to 1999. Pluto can never crash into Neptune, though, because for every three laps Neptune takes around the Sun, Pluto makes two. This repeating pattern prevents close approaches of the two bodies.

Neptune's axis of rotation is tilted 28 degrees with respect to the plane of its orbit around the Sun, which is similar to the axial tilts of Mars and Earth. This means that Neptune experiences seasons just like we do on Earth; however, since its year is so long, each of the four seasons lasts for over 40 years.

Neptune is one of two ice giants in the outer solar system (the other is Uranus). Most (80 percent or more) of the planet's mass is made up of a hot dense fluid of "icy" materials—water, methane and ammonia—above a small, rocky core. Of the giant planets, Neptune is the densest.

Scientists think there might be an ocean of super hot water under Neptune's cold clouds. It does not boil away because incredibly high pressure keeps it locked inside.

Neptune does not have a solid surface. Its atmosphere (made up mostly of hydrogen, helium and methane) extends to great depths, gradually merging into water and other melted ices over a heavier, solid core with about the same mass as Earth.

Neptune's atmosphere is made up mostly of hydrogen and helium with just a little bit of methane. Neptune's neighbor Uranus is a blue-green color due to such atmospheric methane, but Neptune is a more vivid, brighter blue, so there must be an unknown component that causes the more intense color.

Neptune is our solar system's windiest world. Despite its great distance and low energy input from the Sun, Neptune's winds can be three times stronger than Jupiter's and nine times stronger than Earth's. These winds whip clouds of frozen methane across the planet at speeds of more than 1,200 miles per hour (2,000 kilometers per hour). Even Earth's most powerful winds hit only about 250 miles per hour (400 kilometers per hour).

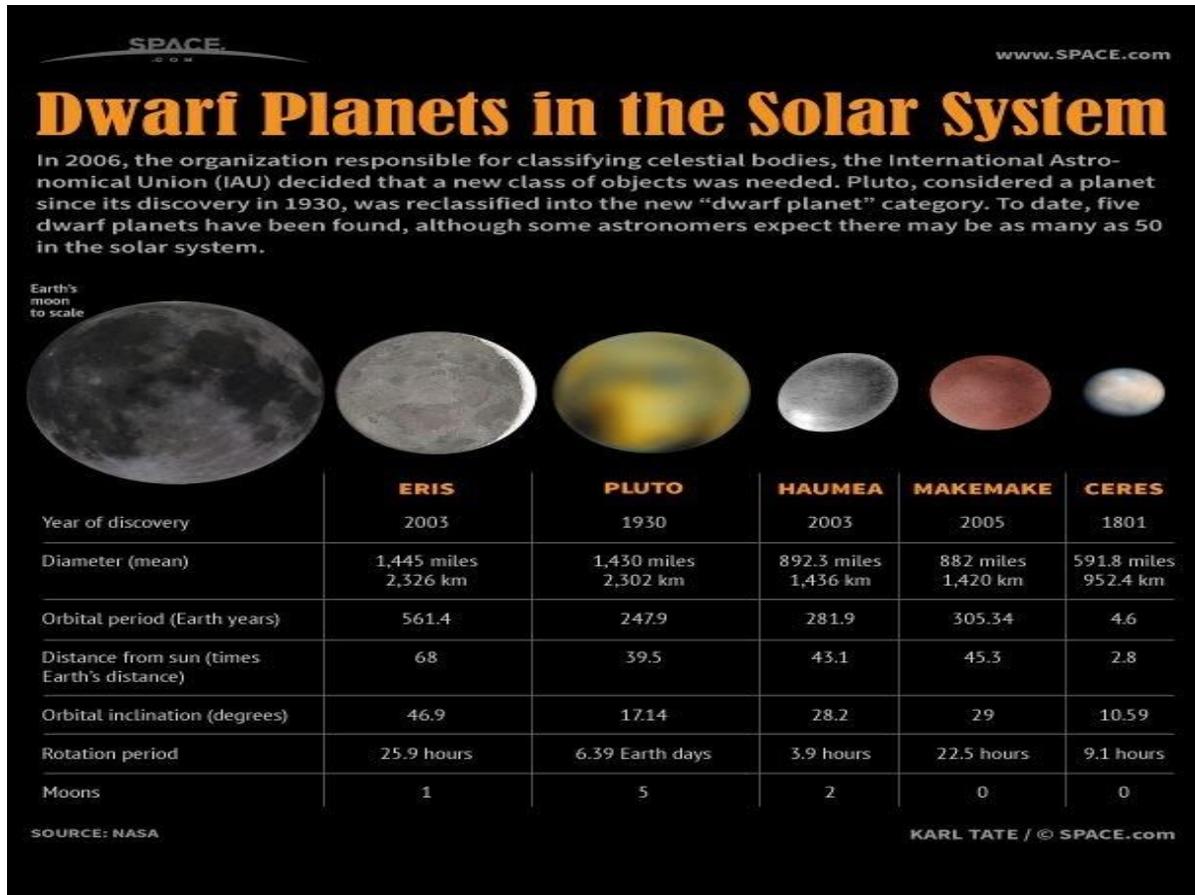
Neptune at least five main rings and four prominent ring arcs that we know of so far. Starting near the planet and moving outward, the main rings are named Galle, Leverrier, Lassell, Arago and Adams. The rings are thought to be relatively young and short-lived.

Neptune's ring system also has peculiar clumps of dust called arcs. Four prominent arcs named Liberté (Liberty), Egalité (Equality), Fraternité (Fraternity) and Courage are in the outermost ring, Adams. The arcs are strange because the laws of motion would predict that they would spread out evenly rather than stay clumped together. Scientists now think the gravitational effects of Galatea, a moon just inward from the ring, stabilizes these arcs.

Neptune has 14 known moons. Neptune's largest moon Triton was discovered on October 10, 1846. Triton is the only large moon in the solar system that circles its planet in a direction opposite to the planet's rotation (a retrograde orbit), which suggests that it may once have been an independent object that Neptune captured. Triton is extremely cold, with surface temperatures around minus 391 degrees Fahrenheit (minus 235 degrees Celsius). And yet, despite this deep

freeze at Triton, Voyager 2 discovered geysers spewing icy material upward more than 5 miles (8 kilometers). Triton's thin atmosphere, also discovered by Voyager, has been detected from Earth several times since, and is growing warmer, but scientists do not yet know why.

C The Dwarf planets



There are 5 officially recognised dwarf planets in our solar system, they are Ceres, Pluto, Haumea, Makemake and Eris. With the exception of Ceres, which is located in the asteroid belt, the other dwarf planets are found in the outer solar system. There are another 6 objects in our solar system that are almost certainly dwarf planets and there may as many as 10,000.

Dwarf planets share many of the same characteristics as planets though there is one significant difference. The International Astronomical Union's definition of a dwarf planet is:

A "dwarf planet" is a celestial body that

- Is in orbit around the Sun,
- Has sufficient mass for its self-gravity to overcome rigid body forces so that it assumes a hydrostatic equilibrium (nearly round) shape,
- **Has not cleared the neighbourhood around its orbit,**
- And is not a satellite.

The largest dwarf planet in the solar system is Pluto followed by Eris, Makemake, Haumea, with the smallest being Ceres. The order of the dwarf planets from closest to Sun outwards is Ceres, Pluto, Haumea, Makemake, with Eris being the furthest from the Sun.

The key difference is that a planet has cleared other objects in the area of its orbit while a dwarf planet has not.

First let's describe the dwarf planets

Ceres

is one of the few places in our solar system where scientists would like to search for possible signs of life. Ceres has something a lot of other planets don't: **water**. Here on Earth, water is essential for life, so it's possible that with this ingredient and a few other conditions met, life could maybe exist there. Living things on Ceres, if they are there at all, would likely be very small microbes similar to bacteria. And while Ceres might not have living things today, there could be signs it harbored life in the past.

Eris

Eris is the furthest dwarf planet from the Sun, and is also the most massive currently recognized dwarf planet. Eris is located beyond the orbit of Neptune and beyond the Kuiper belt in a region known as the "scattered disc".

Eris has one satellite (moon) which is called Dysnomia and takes 16 Earth days to complete a full orbit. Dysnomia is named for the daughter of the goddess Eris in Greek mythology and is the Greek goddess of lawlessness.

Eris was once considered to become the tenth planet of the solar system before the reclassification of Pluto in 2006. This is due to the large size of Eris, which exceeds Pluto's mass by 28%.

All of the objects inside the asteroid belt, located between the orbits of Mars and Jupiter, could fit inside Eris – even though it is only 2/3 the diameter and 1/3 the volume of Earth's Moon.

Eris is so far from the Sun that its atmosphere sometimes **freezes** due to lack of sunlight. Over the course of the hundreds of years it takes the dwarf planet to orbit the Sun, it thaws as it gets closer to the Sun's heat.

Scientists believe that the surface of Eris is rocky, similar to the surface found on Pluto.

It is believed that Eris was originally located inside the Kuiper belt, but that gravitational interactions with Neptune as the solar system formed forced the dwarf planet out into the scattered disc region.

As of 2014, Eris' distance from the Sun is approximately 96.4 astronomical units (AU) which is around 14,062,199,874 km – which is roughly three times the distance of Pluto.

Eris and its moon Dysnomia are currently the most distant known natural objects in the entire Solar System.

Haumea

Haumea is the third closest dwarf planet to the Sun and is located beyond the orbit of Neptune. It has about 1/3 the mass of Pluto and was discovered by 2004.

You can recognize Haumea because of its elongated shape. This makes it the least spherical of all the dwarf planets.

Haumea's ellipsoid shape is believed to be the result of its **rapid rotation**, similar to the way a water balloon which stretch out when thrown with a spin. This rotational speed, along with its collisional origin make Haumea one of the densest dwarf planets discovered to date.

It was classified as dwarf planet by the International Astronomical Union (IAU) on September 17th, 2008 and is named for Haumea, the Hawaiian goddess of childbirth.

Haumea has two small satellites (moons) orbiting the planet called Hi'iaka & Namaka. These were discovered in 2005 through observations using the W.M. Keck Observatory.

The planet's moons are thought to be the result of a collision from a large object with Haumea billions of years ago – causing pieces of Haumea to fragment and begin orbiting the planet.

One day on Haumea lasts 3.9 Earth hours because it is **one of the fastest rotating large objects in the solar system**.

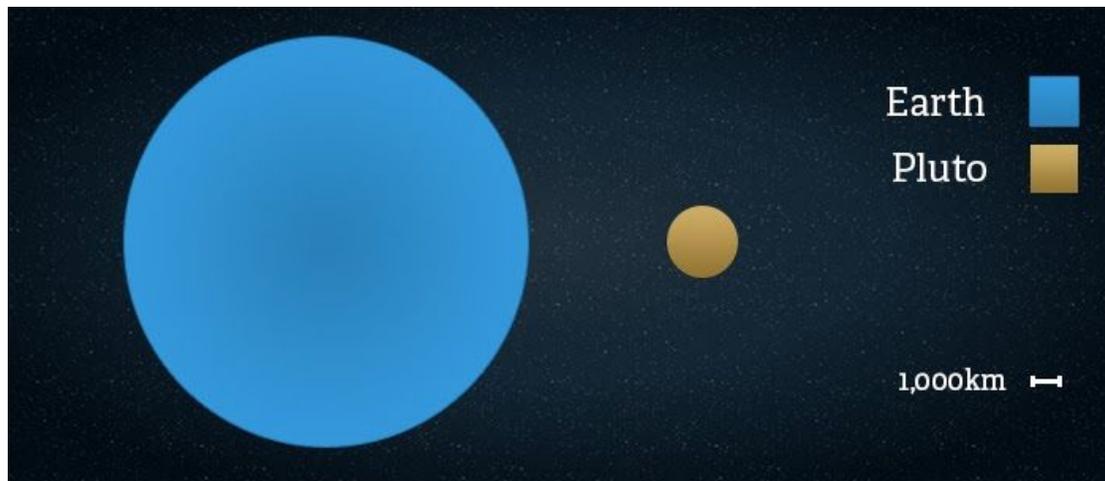
The dwarf planet is made from rock with a thick coating of **ice**, according to scientists.

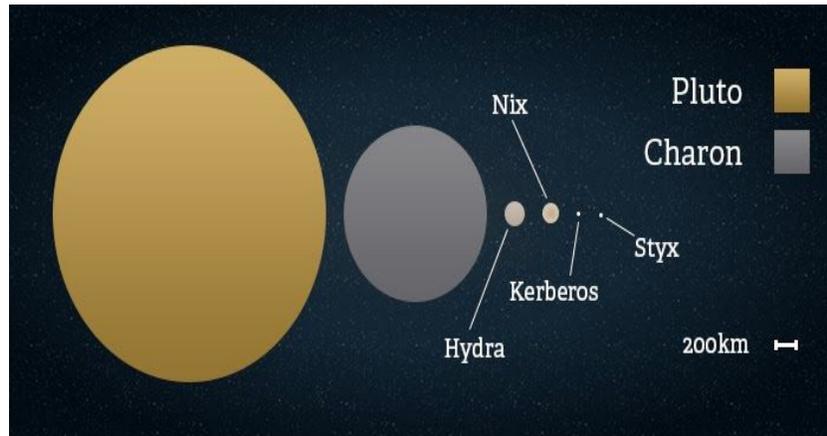
Haumea is the third brightest object in the Kuiper belt, after the dwarf planets Pluto and Makemake. On a clear night with a good quality telescope, this makes it possible to see Haumea in the night sky.

Pluto

Pluto is the second closest dwarf planet to the Sun and from 1930 when it was discovered up until 2006, it was also considered the ninth planet of the solar system. It is also the second largest dwarf planet, with Eris being the most massive known dwarf planet.

On July 14, 2015, The New Horizons mission did a Pluto flyby to capture the first high resolution photographs of the planet and gather incredible data on Pluto and its worlds.





Pluto has 5 known moons. In order of distance from Pluto, these are Charon, Styx, Nix, Kerberos and Hydra. Charon is the largest of the moons and mutually tidally locked with Pluto. This is a gravitational lock that makes one side of an astronomical body always face the another – for example how the same side of the Moon always faces Earth. Charon hovers over the same spot on Pluto – and the same side of Charon always faces Pluto.

Charon is also so large that Pluto-Charon are sometimes considered a double object, a double dwarf planet or a binary system.

Pluto was discovered on February 18th, 1930. In the 76 years between its discovery and subsequent reclassification as a dwarf planet, the planet completed under one third of its orbit around the Sun.

In 2006, Pluto was reclassified from a planet to a dwarf planet. This happened after the IAU formalised the definition of a planet as “A planet is a celestial body that (a) is in orbit around the Sun, (b) has sufficient mass for itself-gravity to overcome rigid body forces so that it assumes a hydrostatic equilibrium (nearly round) shape, and (c) has cleared the neighbourhood around its orbit.”.

Pluto has five known moons. These are Charon, Styx, Nix, Kerberos and Hydra. The latter two moons were known as S/2011 (134340) 1 and S/2012 (134340) 1 before they were officially named.

Pluto is smaller than many moons. When it was first discovered, Pluto’s small size surprised the scientific community who predicted it would be as large as Jupiter. The moons Ganymede, Titan, Callisto, Io, Europa, Triton, and the Earth’s moon are all larger than Pluto. It has 66% of the Moon’s diameter and just 18% of its mass.

Sunlight on Pluto has the same intensity as moonlight on Earth. This is because it is located so far from the Sun in the outer solar system – approximately 5,945,900,000 km.

Either Pluto or Eris is the largest dwarf planet. The most accurate measurements currently put Eris at an average diameter of 2,326 km with a 12 km margin of error, compared to a 2,368 km diameter with a 20 km margin of error for Pluto. The atmosphere on Pluto makes it difficult to accurately map its size.

It takes Pluto 246.04 Earth years to orbit the Sun. The orbit of Pluto is eccentric and inclined. This means that the orbit takes it anywhere from 4.4 to 7.4 km from the Sun and that periodically Pluto is actually closer to the Sun than the eighth planet, Neptune.

The term “plutoid” is used to describe objects in the solar system that are rounded and orbit the Sun beyond the orbit of Neptune. There are currently only four recognized plutoids – Pluto, Eris, Haumea and Makemake. Some astronomers believe there are at least 70 more objects that could be plutoids and are awaiting classification.

Pluto and its moon Charon form a binary system. This means that the center of mass of the two objects is outside of Pluto and Pluto moves in small circles while Charon orbits it.

The orbit of Pluto is chaotic and unpredictable. Scientists are able to predict the location of Pluto along its orbit path for the next 10-20 million years – beyond that it is unknown.

It took sunlight over 3 hours to reach the New Horizons mission flying to Pluto.

Scientists believe that Pluto is made up of 50–70% rock and **30–50% ice by mass**.

Pluto is expected to have a solid rocky core, surrounded by a water ice mantle and a frozen nitrogen surface.

Pluto’s core is predicted to be around 70% of its total diameter. This would put the core at around 1,700 km in diameter (1,000 miles).

Pluto has an atmosphere sometimes. When Pluto is closer to the Sun on its elliptical orbit path the surface ice thaws and forms a thin atmosphere of nitrogen, methane and carbon monoxide. As it travels away from the Sun this then freezes back into its solid state.

Makemake

Makemake is the second furthest dwarf planet from the Sun and of the four dwarf planets beyond the orbit of Neptune, it is the only one which does not have its own orbiting moon - which means that its mass can only be estimated by scientists.

Makemake is the largest of the Kuiper belt objects (KBO) and the only one without any satellites (moons).

The extremely low temperature of the dwarf planet, about 30K or $-243.2\text{ }^{\circ}\text{C}$, means that the surface of Makemake is covered with methane, ethane, and possibly nitrogen ices.

Besides Pluto, Makemake was the only dwarf planet bright enough to have possibly been detected by astronomers. As it happens, Makemake was positioned very close to the Milky Way at the time of his survey – making it almost impossible to discover Makemake against a dense background of stars.

Makemake lacks the expected atmosphere that astronomers thought it would develop. It was believed that it would develop an atmosphere similar to that of Pluto, however when the dwarf planet passed in front of a bright 18th-magnitude star on 23rd April 2011, it was discovered that it lacks a gas envelope. If it did have an atmosphere, it would most likely be made up of methane and nitrogen.

2- The force of gravity between the sun and planets.

let's calculate the force of gravity between the sun and each planet using the formula of the modern science:

$$\mathbf{F} = \frac{\mathbf{G M m}}{r^2}$$

F = force of gravity
G = gravitational constant
(6.67×10^{-11})
M = mass of one object
m = mass of other object
r = distance between the
two objects

The calculation will use round numbers and average distances knowing that the orbits of planets around the sun are not circle but elliptical.

A- In planets**A-1- Calculation****Force of gravity "Sun - Mercury"**

Mercury is the number one planet close to the sun.

-M Sun : 2×10^{30} kg.

-m Mercury : 3.3011×10^{23} kg

-Distance sun-mercury : Mercury's distance from the Sun ranges from 46 million km to 69.8 million km. Average 57,9 million km ($57,900\,000\text{ km} = 57\,900\,000\,000\text{ meters } 5.79 \times 10^{10}$).

-G = 6.67×10^{-11} .

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (3.3 \times 10^{23})}{(5.8 \times 10^{10})^2}$$

$$F = \frac{44.022 \times 10^{42}}{33.64 \times 10^{20}}$$

$$F = 1.30 \times 10^{22} \text{ N (kilogram-meter/second}^2)$$

Force of gravity "Sun - Venus"

-M Sun : 2×10^{30} kg.

-m Venus : 4.8675×10^{24} kg

-Distance Sun-Venus : It's average distance (semi-major axis) from the Sun is 108,208,000 km, and ranges from 107,477,000 km at perihelion to 108,939,000 km at aphelion.

Venus-sun distance average : $108,208,000.000\text{ meters} = 1.08 \times 10^{11}$

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (4.9 \times 10^{24})}{(1.08 \times 10^{11})^2}$$

$$F = \frac{65.366 \times 10^{43}}{1.17 \times 10^{22}}$$

$$F = 38.45 \times 10^{21} = 3.845 \times 10^{22} \text{ N}$$

Force of gravity "Sun - Earth"

-M Sun : 2×10^{30} kg.

-m Earth : 5.9722×10^{24} kg

-Distance Sun-Earth : 149,597,870.700 meters

(The astronomical unit AU) = 1.5×10^{11}

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (6 \times 10^{24})}{(1.5 \times 10^{11})^2}$$

$$F = \frac{(80.04 \times 10^{43})}{(2.25 \times 10^{22})}$$

$$F = (35.57 \times 10^{21}) = 3.6 \times 10^{22} \text{ N}$$

Force of gravity "Sun - Mars"

-M Sun : 2×10^{30} kg.

-m Mars : 6.39×10^{23} kg

- Distance Sun-Mars : Mars' distance from the Sun varies between perihelion (its closest point) and aphelion (its farthest point). In short, the distance between Mars and the Sun ranges during the course of a Martian year from 206,700,000 km at perihelion and 249,200,000 km at aphelion – or 1.38 AU and 1.666 AU. The average distance then is 227,950,000.000 meters or 2.28×10^{11}

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (6.4 \times 10^{23})}{(2.28 \times 10^{11})^2}$$

$$F = \frac{(85,376 \times 10^{42})}{(5,1984 \times 10^{22})}$$

$$F = 16.42 \times 10^{20} \text{ or } 0.1642 \times 10^{22} \text{ N}$$

Force of gravity "Sun - Jupiter"

-M Sun : 2×10^{30} kg.

-m Jupiter : $1,898 \times 10^{27}$ kg

-Distance "Sun-Jupiter": When Jupiter is at its closest point in its orbit (perihelion), the distance is 741 million km. At its most distant point, called aphelion, Jupiter gets out to 817 million km. The average is approximately 779 million km or 779.000.000,000 meters.

$$7.79 \times 10^{11}$$

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (1.9 \times 10^{27})}{(7.79 \times 10^{11})^2}$$

$$F = \frac{(25,346 \times 10^{46})}{(60,6841 \times 10^{22})}$$

$$F = 0,42 \times 10^{24} \text{ or } 42 \times 10^{22} \text{ N}$$

Force of gravity "Sun - Saturn"

-M Sun : 2×10^{30} kg.

-m Saturn: $5,683 \times 10^{26}$ kg

-Distance Sun-saturn : At its closest point, Saturn is 9 AU, and then at its most distant point, it's 10.1 AU. Saturn's average distance from the Sun is 9.6 AU.

Then $9.6 \times 150.000,000 = 1.440.000,000$ km
or $1.440.000.000,000$ meters or 1.44×10^{12}

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (5,68 \times 10^{26})}{(1.44 \times 10^{12})^2}$$

$$F = \frac{(75,7712 \times 10^{45})}{(2,0736 \times 10^{24})}$$

$$F = 36,54 \times 10^{21} \text{ or } 3.654 \times 10^{22} \text{ N}$$

Force of gravity "Sun - Uranus"

M Sun : 2×10^{30} kg.

-m Uranus : $8,681 \times 10^{25}$ kg

- Distance Sun-Uranus : Uranus follows an elliptical orbit around the Sun. At its closest point, called perihelion, Uranus gets to within 2.75 billion km of the Sun. And then at its most distant point, called aphelion, Uranus gets to within 3 billion km from the Sun.

Then uranus' average distance from the Sun is 2.88 billion km. The exact number is 2,876,679,082 km or 2,876,679,082.000 meters or 2.88×10^{12}

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (8,681 \times 10^{25})}{(2.88 \times 10^{12})^2}$$

$$F = \frac{115,80454 \times 10^{44}}{(8,2944 \times 10^{24})}$$

$$F = 13,96 \times 10^{20} \text{ or } 0.14 \times 10^{22} \text{ N}$$

Force of gravity "Sun - Neptune"

-M Sun : 2×10^{30} kg.

-m Neptune : $1,024 \times 10^{26}$ kg

-Distance Sun-Neptune : When Neptune is at its closest point to the Sun, called perihelion, it's 4.45 billion km from the Sun. And then when it's at its most distant point from the Sun, called aphelion, it's 4.55 billion km from the Sun. So the average distance is 4.5 billion km; more specifically, it's 4,503,443,661 km or 4,500,000,000,000 meters or 4.5×10^{12}

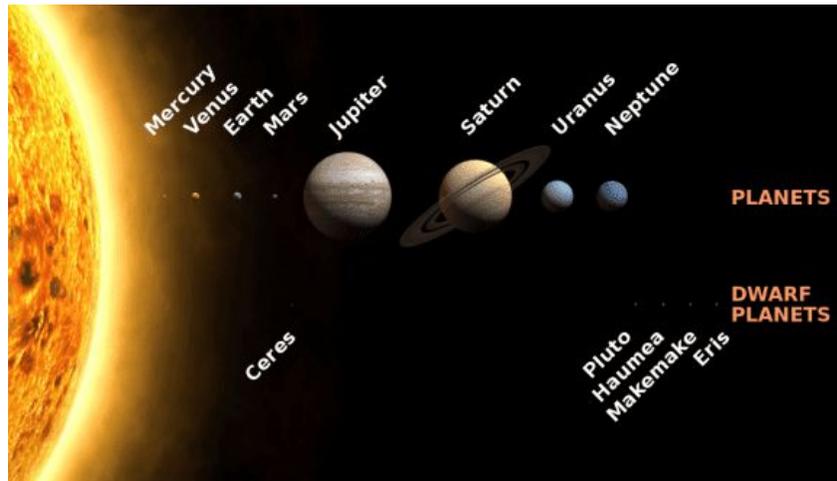
$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (1,024 \times 10^{26})}{(4.5 \times 10^{12})^2}$$

$$F = \frac{13,66016 \times 10^{45}}{(20,25 \times 10^{24})}$$

$$F = 0,6745758024 \times 10^{21} \text{ or } 0,067 \times 10^{22} \text{ N}$$

A-2- Order

- 1- Jupiter planet: $42 \times 10^{22} \text{N} >$
- 2- Venus planet : $3.845 \times 10^{22} \text{N} >$
- 3- Saturn planet: $3.654 \times 10^{22} \text{N} >$
- 4- Earth planet: $3.6 \times 10^{22} \text{N} >$
- 5- Mercury planet: $1.30 \times 10^{22} \text{N} >$
- 6- Mars planet: $0.1642 \times 10^{22} \text{N} >$
- 7- Uranus planet: $0.14 \times 10^{22} \text{N} >$
- 8- Neptune planet: $0.067 \times 10^{22} \text{N}.$



Notice that the closeness from the sun does not mean stronger force of gravity.

I will take the earth from the order because we already know that it represents prophet Joseph who saw the dream-vision. Then reorder the rest of planets as follow:

- 1- Jupiter planet: $42 \times 10^{22} \text{N} >$
- 2- Venus planet : $3.845 \times 10^{22} \text{N} >$
- 3- Saturn planet: $3.654 \times 10^{22} \text{N} >$
- 4- Mercury planet: $1.30 \times 10^{22} \text{N} >$
- 5- Mars planet: $0.1642 \times 10^{22} \text{N} >$
- 6- Uranus planet: $0.14 \times 10^{22} \text{N} >$
- 7- Neptune planet: $0.067 \times 10^{22} \text{N}.$

B- In dwarf planets**B-1-Calculation****Force of gravity "Sun - Ceres"**

-M Sun : 2×10^{30} kg.

-m Ceres : $8,958 \times 10^{20}$ kg

-Distance Sun-Ceres : From an average distance of 413 million kilometers, Ceres is 2.8 astronomical units away from the sun. One astronomical unit (abbreviated as AU), is the distance from the sun to Earth. From this distance, it takes sunlight 22 minutes to travel from the sun to Ceres.

413.000.000 km = 413.000.000.000 meters or 4.13×10^{11}

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (8,958 \times 10^{20})}{(4.13 \times 10^{11})^2}$$

$$F = \frac{(119,49972 \times 10^{39})}{(17,0569 \times 10^{22})}$$

$$F = 7,0059459808 \times 10^{17} \text{ or } 70 \times 10^{16} \text{ N}$$

Force of gravity "Sun - Pluto"

-M Sun : 2×10^{30} kg.

-m Pluto : 1.30900×10^{22} kg.

-Distance Sun-Pluto : Pluto's distance from the Sun is 5.9 billion km – the exact number is 5,906,376,272 km or 5,906,376,272.000 meters or 5.9×10^{12} .

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (1.309 \times 10^{22})}{(5.9 \times 10^{12})^2}$$

$$F = \frac{(17,46206 \times 10^{41})}{(34,81 \times 10^{24})}$$

$$F = 0,5016391841 \times 10^{17} \text{ or } 5 \times 10^{16} \text{ N}$$

Force of gravity "Sun - Haumea"

$$-M \text{ Sun} : 2 \times 10^{30} \text{ kg.}$$

$$-m \text{ Haumea} : 4.006 \times 10^{21} \text{ kg}$$

-Distance Sun-Haumea : From an average distance of 6,452,000,000 kilometers, Haumea is 43 astronomical units away from the Sun. From this distance, it takes sunlight 6 hours to travel from the Sun to Haumea. It's 6,452,000,000.000 meters or 6.452×10^{12}

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (4.006 \times 10^{21})}{(6.452 \times 10^{12})^2}$$

$$F = \frac{(53,44004 \times 10^{40})}{(41,628304 \times 10^{24})}$$

$$F = 1,2837429072 \times 10^{16} \text{ or } 1.28 \times 10^{16} \text{ N}$$

Force of gravity "Sun - Makemake"

$$-M \text{ Sun} : 2 \times 10^{30} \text{ kg.}$$

$$-m \text{ Makemake} : 3.1 \times 10^{21} \text{ kg.}$$

- Distance Sun-Makemake: From an average distance of 6,847,000,000 kilometers, Makemake is 45.8 astronomical units away from the sun. From this distance, it takes sunlight 6 hours and 20 minutes to travel from the sun to Makemake. Then it's 6,847,000,000.000 meters or 6.847×10^{12}

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (3.1 \times 10^{21})}{(6.847 \times 10^{12})^2}$$

$$F = \frac{(41,354 \times 10^{40})}{(46,881409 \times 10^{24})}$$

$$F = 0,8820980615 \times 10^{16} \text{ or } 0,88 \times 10^{16} \text{ N}$$

Force of gravity "Sun - Eris"

$$-M \text{ Sun} : 2 \times 10^{30} \text{ kg.}$$

$$-m \text{ Eris} : 1.66 \times 10^{22} \text{ kg}$$

-Distance Sun-Eris : From an average distance 10,125,000,000 km, Eris is about 68 astronomical units away from the Sun. From this distance, it takes sunlight more than nine hours to travel from the Sun to the surface of Eris. It's 10,125,000,000,000 meters or 1.0125×10^{13}

$$F = \frac{(6.67 \times 10^{-11}) \times (2 \times 10^{30}) \times (1.66 \times 10^{22})}{(1.0125 \times 10^{13})^2}$$

$$F = \frac{(22,1444 \times 10^{41})}{(1,02515625 \times 10^{26})}$$

$$F = (21,600999847 \times 10^{15}) \text{ or } 2.16 \times 10^{16} \text{ N}$$

B-2- Order

- 1- Ceres planet : $70 \times 10^{16} \text{ N} >$
- 2- Pluto planet : $5 \times 10^{16} \text{ N} >$
- 3- Eris planet : $2.16 \times 10^{16} \text{ N} >$
- 4- Haumea planet : $1.28 \times 10^{16} \text{ N} >$
- 5- Makemake planet : $0.88 \times 10^{16} \text{ N} >$

Here we notice again that the closest dwarf planet to the sun is not necessarily the one that has strongest force of gravity with the sun.

II- Who is represented by which planets

My idea is to attach each members of prophet jacob family (pbuh) starting by the oldest to the youngest to each planet starting by the strongest force of gravity value to the weakest.

1- The family's gravities

A-Planets

- 1- Jupiter (Outer planet: $42 \times 10^{22} \text{ N}$) = Reuben (Leah).
- 2- Venus (Inner planet: $3.845 \times 10^{22} \text{ N}$) = Simeon (Leah).
- 3- Saturn (Outer planet: $3.654 \times 10^{22} \text{ N}$) = Levi (Leah).
- 4- Mercury (Inner planet: $1.30 \times 10^{22} \text{ N}$) = Judah (Leah).

5- Mars(Inner planet: 0.1642×10^{22} N)=Dan (Bilhah servant of Rachel)

6- Uranus(Outer planet: 0.14×10^{22} N) = Naphtali (Bilhah)

7- Neptune(Outer planet: 0.067×10^{22} N)= Gad (Zilpah servant of Leah),

B- The dwarf planets

8- Ceres (70×10^{16} N)=Asher (Zilpah).

9- Pluto (5×10^{16} N)= Issachar (Leah).

10- Eris (2.16×10^{16} N)= Zebulun(Leah).

11-Haumea(1.28×10^{16} N)=Benjamin(Rachel).

12- Makemake(0.88×10^{16} N)=Dinah(daughter Leah).

I want to link this final outcome to history facts that will amaze you more!.

The biblical history relates that :

One day Jacob sends his son Joseph to join his brothers who graze his small cattle. Joseph's brothers plot to kill him and **Simeon and Gad prepare to kill him**. Joseph then stands behind Zabulon and begs them not to kill him. **Ruben intervenes and tells them not to kill him but to throw him into a well, his intention being to remove it later**. Finally Joseph is stripped of his tunic and thrown into a waterless well where he remains hungry for three days and three nights. **Judah watches over the dry well for two days and two fears that Simeon and Gad will kill Joseph**. **Zabulon is then responsible for monitoring this well until the sale of Joseph**.

Judah offers to sell Joseph to a caravan of Ishmaelites traveling to Egypt. Midianites remove Joseph from the well without water and he is sold for twenty pieces of silver. Before being sold, Joseph is dressed in an old slave garment. In reality, **Gad and Judah sell it for thirty pieces of gold, hide ten of them and show twenty to their brothers**. Simeon, Gad and six of their brothers buy sandals. **Ruben, who went to look for the essentials stored in Dotham, is not aware of this transaction and returns to the well without water but does not find Joseph**.

Joseph's tunic is drenched in the blood of a goat's throat slit by Dan and carried to their father Jacob by Naphtali. Jacob thinks that his son Joseph has died devoured by a wild beast and shows himself inconsolable.

These story's details as a muslim we shall not believe it and we shall not disbelieve it in that specific way, although it is true in general.

The Torah and Gospel were originally from Allah, may He be exalted, and we are obliged to believe in their existence. But since the Torah and Gospel were subjected to distortion and changes, we are prohibited to study them unless we have large knowledge in order not to be confused.

It was narrated from Jaabir ibn ‘Abdullah (may Allah be pleased with him) that ‘Umar ibn al-Khattaab (may Allah be pleased with him) came to the Prophet (blessings and peace of Allah be upon him) with some written material he had got from one of the people of the Book. He read it to the Prophet (blessings and peace of Allah be upon him), and he got angry and said: “Are you confused (about your religion), O son of al-Khattaab? By the One in Whose hand is my soul, I have brought it (the message of Islam) to you clear and pure. Do not ask them about anything, lest they tell you something true and you disbelieve it, or they tell you something false and you believe it. By the One in Whose hand is my soul, if Moosa were alive, he would have no option but to follow me.”

Narrated by Ahmad (14736); classed as hasan by al-Albani in Irwa’ al-Ghaleel, 6/34

But before I disbelieve or believe, I would like to test it by the solar system mechanism also.

We know that the story is in general conform to what the Quran related but we don't know the details of what was the part of each brother in the plot. Who had a principal HOT participation and who had a secondary COLD participation.

2- The solar system test :

A- [Simeon and Gad](#)

[Simeon](#)

The fact to put into the test is : "[Simeon and Gad prepare to kill him](#)"

- Venus (Inner planet) = Simeon (Leah).

- Equation : {(high surface temperature planet) + (fast speed orbiting around the sun)} = active participation.

Venus, the second closest planet to the Sun which has the highest average surface temperatures – reaching up to 460 °C on a regular basis. This is due in part to Venus’ proximity to the Sun,

being just on the inner edge of the habitability zone, but also to Venus' thick atmosphere, which is composed of heavy clouds of carbon dioxide and sulfur dioxide.

Venus orbit the sun the fastest : 35.02 km/s , or a period of about 224.7 days

Active participation= **Event of simeon is true**

Gad

The fact to put into the test is : "**Gad prepares to kill him**"

- Neptune (Outer planet) = Gad (Zilpah servant of Leah).

Equation : {(high surface temperature planet) + (fast speed orbiting around the sun)} = active participation.

With temperatures dropping to -218°C in Neptune's upper atmosphere, the planet is one of the coldest in our Solar System

Neptune: 5.43 km/s, or a period of about 163.72 years

Cold planet + Slow speed orbiting the sun = No active participation= **Event of Gad is false**

B- Judah

The fact to put into the test is : "**Judah watches over the dry well for two days and two nights, fears that Simeon and Gad will kill Joseph. Judah offers to sell Joseph to a caravan of Ishmaelites traveling to Egypt**"

Mercury (Inner planet) = Judah (Leah).

Equation : {(high surface temperature planet) + (fast speed orbiting around the sun)} = active participation.

The side exposed to the Sun remains exposed for some time, allowing surface temperatures to reach up to a molten 465 °C. Meanwhile, on the dark side, temperatures can drop off to a frigid -184°C.

Mercury: 47.87 km/s , or a period of about 87.97 days

Active participation= **Event of Judah is true.**

C- Zabulon

The fact to put into the test is : "**Zabulon is then responsible for monitoring this well until the sale of Joseph.**"

Eris (dwarf planet) = Zebulun(Leah).

Equation : {(high surface temperature planet) + (fast speed orbiting around the sun)} = active participation.

It has a highly eccentric orbit around the Sun, which causes its surface temperature to vary from -217 degrees Celsius to -243 degrees Celsius. Observations of Eris have led scientists to believe that it has frozen methane on its surface.

Average orbital speed : 3.4338 km/s.

Cold planet + Slow speed orbiting the sun = No active participation= **Event of Zabulon is false**

D- Dan

The fact to put into the test is : "**Joseph's tunic is drenched in the blood of a goat's throat slit by Dan** "

Mars (Inner planet) = Dan (Bilhah servant of Rachel).

Equation : {(high surface temperature planet) + (fast speed orbiting around the sun)} = active participation.

"The average recorded temperature on Mars is -63 °C (-81 °F) with a maximum temperature of 20 °C (68 °F) and a minimum of -140 °C (-220 °F)."

Mars: 24.077 km/s, or a period of about 686.93 days

Here we have average cold temperature with some hot times + fast orbiting around the sun.

Relatively active participation with some hesitation = **Event of dan is true.**

E- Nephtali

The fact to put into the test is : "Joseph's tunic is drenched in the blood and carried to their father Jacob by Nephtali".

Uranus (Outer planet) = Naphtali (Bilhah).

Equation : {(high surface temperature planet) + (fast speed orbiting around the sun)} = active participation.

Uranus is the coldest planet in our Solar System, with a lowest recorded temperature of -224°C. Despite its distance from the Sun, the largest contributing factor to its frigid nature has to do with its core.

Much like the other gas giants in our Solar System, the core of Uranus gives off far more heat than is absorbed from the Sun. However, with a core temperature of approximately 4,737 °C, Uranus' interior gives off only one-fifth the heat that Jupiter's does and less than half that of Saturn.

Uranus orbiting speed around the sun: 6.81 km/s, or a period of about 83.75 years

Cold planet + Slow speed orbiting the sun = No active participation = **Event of Nephtali is false**

F- Ruben

The fact to put into the test is : "Ruben intervenes and tells them not to kill him but to throw him into a well, his intention being to remove it later. Ruben, who went to look for the essentials stored in "Dotham", is not aware of this transaction and returns to the well without water but does not find Joseph."

Jupiter (Outer planet) = Reuben (Leah).

Equation : {(high surface temperature planet) + (fast speed orbiting around the sun)} = active participation.

Since Jupiter is a gas giant, it has no solid surface, so it has no surface temperature. But measurements taken from the top of Jupiter's clouds indicate a temperature of approximately -145°C. Closer to the center, the planet's temperature increases due to atmospheric pressure.

At the point where atmospheric pressure is ten times what it is on Earth, the temperature reaches 21°C, what we Earthlings consider a comfortable "room temperature". At the core of the planet, the temperature is much higher, reaching as much as 35,700°C – hotter than even the surface of the Sun.

13.07 km/s (29,236 miles per hour), or a period of about 11.86 years

Here we have positive temperature closer to the center + relatively slow orbiting around the sun.

Relatively active participation = **Ruben event is true.**

This mathematically proven degree of truthfulness is confirmed by verse 80 surah yusuf :

The verse does not relate the same event exactly related by historians but it proves the non existence of will to kill in reuben mind.

"فَلَمَّا اسْتَيْأَسُوا مِنْهُ خَلَصُوا نَجِيًّا قَالَ كَبِيرُهُمْ أَلَمْ تَعْلَمُوا أَنَّ أَبَاكُمْ قَدْ أَخَذَ عَلَيْكُمْ مَوْثِقًا مِنَ اللَّهِ وَمِنْ قَبْلُ مَا فَرَّطْتُمْ فِي يُوسُفَ فَلَنْ أَبْرَحَ الْأَرْضَ حَتَّىٰ يَأْذَنَ لِي أَبِي أَوْ يَحْكُمَ اللَّهُ لِي وَهُوَ خَيْرُ الْحَاكِمِينَ"

"So when they had despaired of him, they secluded themselves in private consultation. The eldest of them said, "Do you not know that your father has taken upon you an oath by Allah and [that] before you failed in [your duty to] Joseph? So I will never leave [this] land until my father permits me or Allah decides for me, and He is the best of judges."

This final result is just a try to explain religious human events using mathematics and physics and NEVER a try to set an astrological rules because I don't believe in astrology. Am not trying to set a scientific model to explain influences between celestial bodies and human to predict behaviours.

The scientific community rejects astrology as having no explanatory power for describing the universe, and considers it a pseudoscience. Scientific testing of astrology has been conducted, and no evidence has been found to support any of the premises or purported effects outlined in astrological traditions. There is no proposed mechanism of action by which the positions and

motions of stars and planets could affect people and events on Earth that does not contradict well understood, basic aspects of biology and physics. Those who continue to have faith in astrology have been characterised as doing so "...in spite of the fact that there is no verified scientific basis for their beliefs, and indeed that there is strong evidence to the contrary."

My analysis was just mathematized to understand the religious event that occurred in Quran.

I do believe that god did not use the planets to represent prophet Joseph's family just as metaphorical picture but I do believe that there is a link between the picture and the family because god said in verse 43 surah Al-Ankaboot:

"وَتِلْكَ الْأَمْثَالُ نَضْرِبُهَا لِلنَّاسِ وَمَا يَعْقِلُهَا إِلَّا الْعَالِمُونَ"

43-"And these examples We present to the people, but none will understand them except those of knowledge."

And verse 35 surah an-noor:

"اللَّهُ نُورُ السَّمَاوَاتِ وَالْأَرْضِ مِثْلُ نُورِهِ كَمِشْكَاةٍ فِيهَا مِصْبَاحٌ الْمِصْبَاحُ فِي زُجَاجَةٍ الزُّجَاجَةُ كَأَنَّهَا كَوْكَبٌ دُرِّيٌّ يُوقَدُ مِنْ شَجَرَةٍ مُبَارَكَةٍ زَيْتُونَةٍ لَا شَرْقِيَّةٍ وَلَا غَرْبِيَّةٍ يَكَادُ زَيْتُهَا يُضِيءُ وَلَوْ لَمْ تَمْسَسْهُ نَارٌ نَوْراً عَلَى نُورٍ يَهْدِي اللَّهُ لِنُورِهِ مَنْ يَشَاءُ وَيَضْرِبُ اللَّهُ الْأَمْثَالَ لِلنَّاسِ وَاللَّهُ بِكُلِّ شَيْءٍ عَلِيمٌ"

35- "Allah is the Light of the heavens and the earth. The example of His light is like a niche within which is a lamp, the lamp is within glass, the glass as if it were a pearly [white] star lit from [the oil of] a blessed olive tree, neither of the east nor of the west, whose oil would almost glow even if untouched by fire. Light upon light. Allah guides to His light whom He wills. **And Allah presents examples for the people, and Allah is Knowing of all things.**"

So every example has a real link with the reality exemplified.

I tried to understand the link because god could picture the brothers of Joseph (pbuh) by using other things than planets. The use of planet has a secret that I tried to solve without committing a wrongdoing, transgression or Confusing truth with falsehood "fitnah".

3- The planets arabic names

These planets were named by the leader of all prophets the last messenger of god muhammad (pbuh).

ذكر الطبري في تفسيره

وحدثنا ابن وكيع ، قال: حدثنا أبو أسامة ، عن سفيان ، عن سماك ، عن سعيد بن جبير ، عن ابن عباس: (إني رأيت أحد عشر كوكبًا) ، قال: كانت الرؤيا فيهم وحيًا. وذكر أن الأحد العشر الكوكب التي رآها في منامه ساجدةً مع الشمس والقمر ، ما: حدثني علي بن سعيد الكندي ، قال: حدثنا الحكم بن ظهير ، عن السدي ، عن عبد الرحمن بن سابط ، عن جابر ، قال: أتى النبي صلى الله عليه وسلم رجلٌ من يهود يقال له " بستانة اليهودي " ، فقال له: يا محمد، أخبرني عن الكواكب التي رآها يوسف ساجدةً له ، ما أسماؤها؟ قال: فسكت رسول الله صلى الله عليه وسلم ، فلم يجبه بشيء ، ونزل عليه جبرئيل وأخبره بأسمائها . قال: فبعث رسول الله صلى الله عليه وسلم إليه ، فقال: هل أنت مؤمن إن أخبرتك بأسمائها؟ قال: نعم! فقال: جربان والطارق ، والذئال ، وذو الكنفات ، وقابس ، ووثاب وعمودان ، والفليق ، والمصبح ، والضُّروح ، وذو الفرغ ، والضياء ، والنور . فقال اليهودي: والله إنها لأسمائها.

This hadith is not forged and we are not going to use it for religious practises, even though, it was permissible by some scholars to use weak hadith for religious practises with some restrictions.

The majority of the scholars (al-jumhur) hold that it can be used as basis for practicing good deeds and achieving good character (yu'malu bihi fi al-fadâ'il) but not for legal rulings (dûna al-ahkâm). And God is the Granter of success.

My purpose of using this classified weak hadith is a chance also for the hadith validity to be tested by scientific truth. The planet's arabic names in the hadith have meaning that I can link to the specifications of each planet. The link though, remains uncertain but I will try to do it by curiosity.

-A- The sun-الضياء and the moon-النور

- Prophet jacob the Sun
- Joseph' aunt the earth moon

The verse 5 surah yunus states:

"هُوَ الَّذِي جَعَلَ الشَّمْسَ ضِيَاءً وَالْقَمَرَ نُورًا وَقَدَرَهُ مَنَازِلَ لِتَعْلَمُوا عَدَدَ السِّنِينَ وَالْجِسَابِ مَا خَلَقَ اللَّهُ ذَلِكَ إِلَّا بِالْحَقِّ يُفَصِّلُ الْآيَاتِ لِقَوْمٍ يَعْلَمُونَ"

5-"It is He who made the sun a shining light and the moon a derived light and determined for it phases - that you may know the number of years and account [of time]. Allah has not created this except in truth. He details the signs for a people who know"

The Sun is by far the brightest object in the Earth's sky, with an apparent magnitude of -26.74 . This is about 13 billion times brighter than the next brightest star, Sirius, which has an apparent magnitude of -1.46 .

Moonlight consists of mostly sunlight (with little earthlight) reflected from the parts of the Moon's surface where the Sun's light strikes.

The intensity of moonlight varies greatly depending on its phase, but even the full Moon typically provides only about 0.05–0.1 lux illumination. When the full Moon is at perigee and viewed around upper culmination from the tropics, the illuminance can reach up to 0.32 lux. From Earth, the apparent magnitude of the full Moon is only about $1/380,000$ that of the Sun. The color of moonlight, particularly around full Moon, appears bluish to the human eye compared to most artificial light sources due to the Purkinje effect. Moonlight is not actually tinted blue, and although moonlight is often referred to as "silvery", it has no inherent silvery quality.

The Moon's albedo is 0.136, meaning only 13.6% of incident sunlight is reflected from the lunar surface. Moonlight generally hampers astronomical viewing, so astronomers usually avoid observing sessions around full Moon. It takes approximately 1.26 seconds for moonlight to reach Earth's surface.

-B- Jupiter-وئاب

Jupiter (Outer planet: $42 \times 10^{22}N$) = Reuben (Leah).

"Ruben intervenes and tells them not to kill Joseph but to throw him into a well, his intention being to remove it later. Ruben, who went to look for the essentials stored in "Dotham", is not aware of this transaction and returns to the well without water but does not find Joseph."

وئاب : صيغة مبالغة من وئاب/معناه: الناهض بسرعة، الكثير القفز، الطافر، الجواد السريع.

Jupiter is the fastest spinning planet in our Solar System rotating on average once in just under 10 hours. That is very fast especially considering how large Jupiter is. This means that Jupiter

has the shortest days of all the planets in the Solar System. Since Jupiter is a gas planet, it does not rotate as a solid sphere. Jupiter's equator rotates a bit faster than its polar regions at a speed of 28,273 miles/hour (about 43,000 kilometers/hour). Jupiter's day varies from 9 hours and 56 minutes around the poles to 9 hours and 50 minutes close to the equator.

-C- قابس-Venus

Venus(Inner planet:3.845×10²²N)=Simeon (Leah).

"Simeon prepared to kill joseph"

قابس : (الطبيعة والفيزياء) أداة ذات شعبتين أو أكثر تُوصَل بالمَقْبَس لتستمدَّ منه التِّيَّارَ الكهربِيَّ قابس التَّلْفَاز / شُعْلَةُ نارٍ تُقْتَبَسُ من مُعْظَمِ النارِ ، كالمِقْبَاسِ ، وَقَبَسٍ... قابس : طالب النار .

So what makes Venus hotter than Mercury? Mercury doesn't have any atmosphere, and atmosphere can hold and trap heat. Any heat that Mercury receives from the sun is quickly lost back into space. Venus is very close to the actual size of earth and viewing it has been difficult due to a very thick atmosphere of carbon dioxide. This thick atmosphere makes the surface of Venus hotter because the heat doesn't escape back into space. The atmosphere on Venus is so powerful that the pressure would be ninety-two times more than what you would experience standing on a beach at sea level.

Venus has what is called a runaway greenhouse effect. It's a never ending cycle of heat being trapped inside due to the rising carbon dioxide levels. This is what happens when an atmosphere absorbs too much carbon dioxide: the heat has nowhere to go. As the temperature rises it affects the entire planet, creeping deep into the depths of the core.

Many scientists around the world were skeptical as to a possible mission to Venus. **Most thought that everything would burn up before the technology could send back any information.** The Soviets sent a few missions to Venus, and the first few failed. Finally, in 1981, the Venera 13 mission made it through the hot layers of atmosphere and landed on the surface. It managed to keep from burning up for 127 minutes and sent color pictures back of the surface of Venus. Then, the transmissions stopped as the Venera 13 melted.

Venus is one of the brightest objects in the night sky. Venus is so bright because its thick clouds reflect most of the sunlight that reaches it (about 70%) back into space, and because it is the closest planet to Earth. Venus can often be seen within a few hours after sunset or before sunrise

as the brightest object in the sky (other than the moon). It looks like a very bright star. **Venus is the brightest planet in the Solar System.**

-D- Saturn-ذو الكنفات

Saturn(Outer planet: $3.654 \times 10^{22}N$)=Levi (Leah).

ذو الكنفات : كَنَفَ الدَّارَ : أَحَاطَهَا بِسِيَّاحِ Rings

Saturn is best known for its **prominent ring system** — **seven known rings with well-defined divisions and gaps between them**. How the rings got there is one subject under investigation.

The rings of Saturn are the most extensive ring system of any planet in the Solar System. They consist of countless small particles, ranging in size from micrometers to meters, that orbit about Saturn. The ring particles are made almost entirely of water ice, with a trace component of rocky material. There is still no consensus as to their mechanism of formation. Although theoretical models indicated that the rings were likely to have formed early in the Solar System's history, new data from Cassini suggest they formed relatively late.

-E- Mercury-الفليق

Mercury(Inner planet: $1.30 \times 10^{22}N$)= Judah (Leah).

"Judah watches over the dry well for two days and two night, fears that Simeon and Gad will kill Joseph. Judah offers to sell Joseph to a caravan of Ishmaelites traveling to Egypt"

الفليق : الأَمْرُ العَجِيبُ/ المنخفِضُ في مُقَدِّمِ عُنُقِ البعيرِ عند مجرى الخُلُقومِ/ الفَلَقُ : شَقُّ في الجبلِ.

Mercury was heavily bombarded by comets and asteroids during and shortly following its formation 4.6 billion years ago, as well as during a possibly separate subsequent episode called the Late Heavy Bombardment that ended 3.8 billion years ago. During this period of intense crater formation, Mercury received impacts over its entire surface, facilitated by the lack of any atmosphere to slow impactors down. During this time Mercury was volcanically active; basins such as the Caloris Basin were filled by magma, producing smooth plains similar to the maria found on the Moon.

Craters on Mercury range in diameter from small bowl-shaped cavities to multi-ringed impact basins hundreds of kilometers across

The largest known crater is Caloris Basin, with a diameter of 1,550 km. The impact that created the Caloris Basin was so powerful that it caused lava eruptions and left a concentric ring over 2 km tall surrounding the impact crater. At the antipode of the Caloris Basin is a large region of unusual, hilly terrain known as the "Weird Terrain" الأمْرُ العجيب. One hypothesis for its origin is that shock waves generated during the Caloris impact traveled around Mercury, converging at the basin's antipode (180 degrees away). The resulting high stresses fractured the surface. Alternatively, it has been suggested that this terrain formed as a result of the convergence of ejecta at this basin's antipode.

Overall, about 15 impact basins have been identified on the imaged part of Mercury. A notable basin is the 400 km wide, multi-ring Tolstoj Basin that has an ejecta blanket extending up to 500 km from its rim and a floor that has been filled by smooth plains materials. Beethoven Basin has a similar-sized ejecta blanket and a 625 km diameter rim. Like the Moon, the surface of Mercury has likely incurred the effects of space weathering processes, including Solar wind and micrometeorite impacts.

-F- Mars-المصباح

Mars (Inner planet: $0.1642 \times 10^{22} \text{N}$) = Dan (Bilhah servant of Rachel)

"Joseph's tunic is drenched in the blood of a goat's throat slit by Dan "

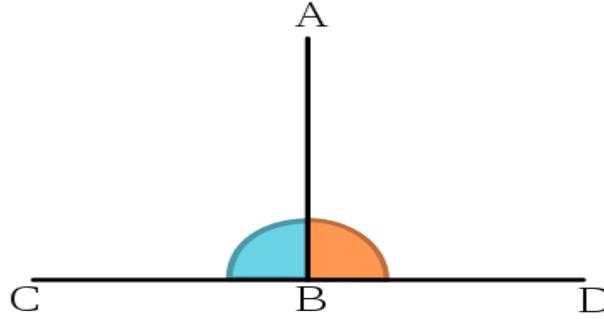
المصباح: مُصْبِحٌ : فاعل من أَصْبَحَ / المِصْبَاحُ / أَصْبَحَ المصباحُ : أوقده/ أَشْعَلَهُ / المِصْبِخُ : المِصْبَاحُ . والجمع : مصابيحُ .

The apparent brightness of a planet in the sky depend on its distance from Earth and its distance from the Sun. For a distant planet like Jupiter there is little change in brightness as there is little change in either distance. With Mars there are large changes as its distance from Earth varies. Mars is further from the Sun than Earth so it moves more slowly. Every two years or so the Earth catches up with Mars as they both circle the Sun and the two planets are in line with the Sun.

That is called opposition as the Sun and Mars are then on opposite sides of the Earth. **Opposition is when Mars is at its closest to Earth and at its brightest.**

-G- Uranus-عمودان

Uranus(Outer planet: $0.14 \times 10^{22}N$) = Naphtali (Bilhah)



في الهندسة الرياضية، يعتبر خطان أو مستويان (أو خط ومستوى) متعامدين (بالإنجليزية: perpendicular) على بعضهما إذا شكلا زوايا متجاورة متطابقة (على شكل حرف T). ففي الشكل 1، القطعة المستقيمة AB متعامدة على القطعة المستقيمة

$AB \perp CD$ في النقطة B، ويعبر عن تعامد المستقيمين AB وCD بعبارة:

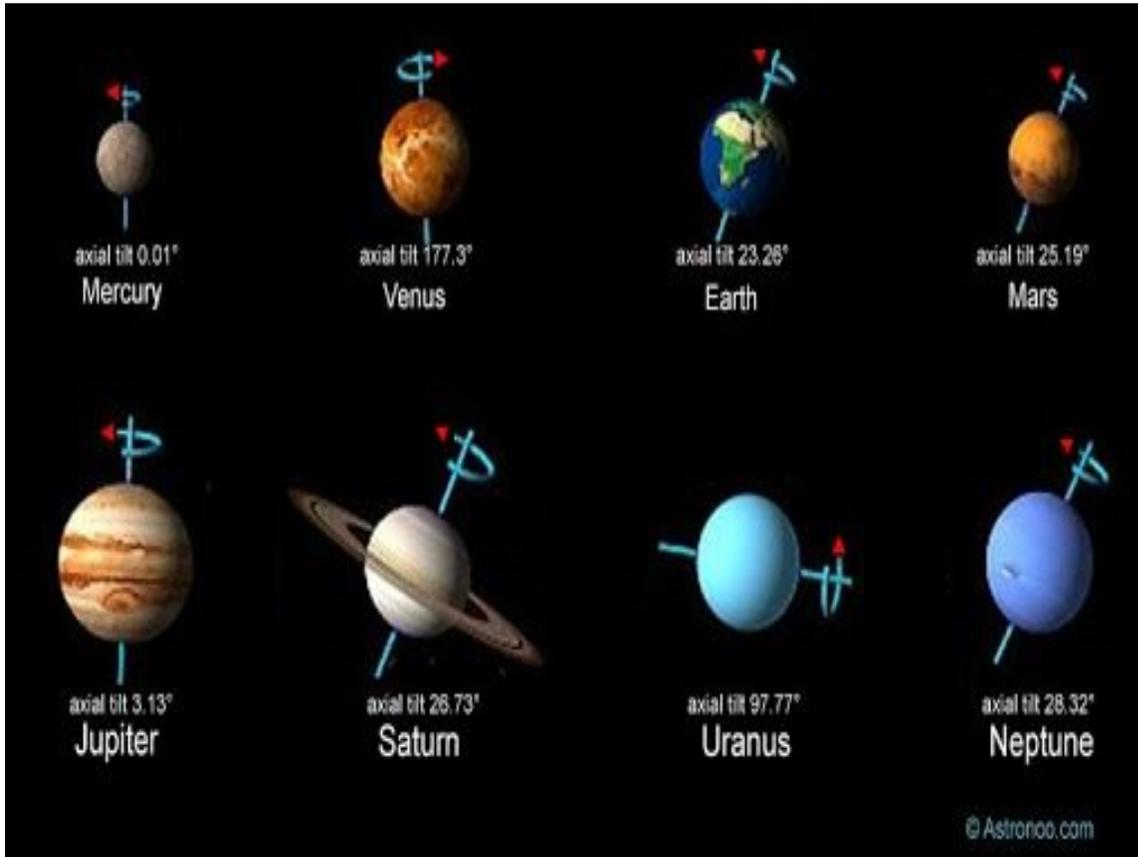
The segment AB is perpendicular to the segment CD because the two angles it creates (indicated in orange and blue) are each 90 degrees. The segment AB can be called the perpendicular from A to the segment CD, using "perpendicular" as a noun. The point B is called the foot of the perpendicular from A to segment CD, or simply, the foot of A on CD.

عمودان : مثني العمود وهو لغة الأساس والقوام/ العمود: خطٌ مستقيم قائم على خطٍ آخر مثله ويُحدث عن جانبيه زاويتين متساويتين/خطٌ عموديّ : خطٌ قائم على خطٍ أفقيّ بحيث تحدث على جانبيه زاويتان متساويتان /أَعْمَدَةُ الْبَيْتِ : مَا يَقُومُ عَلَيْهِ/عمود

One day on Uranus takes about 17 hours (the time it takes for Uranus to rotate or spin once). And Uranus makes a complete orbit around the Sun (a year in Uranian time) in about 84 Earth years (30,687 Earth days).

Uranus is the only planet whose equator is nearly at a right angle to its orbit (nearly perpendicular) with a tilt of 97.77 degrees—possibly the result of a collision with an Earth-sized

object long ago. This unique tilt causes the most extreme seasons in the solar system. For nearly a quarter of each Uranian year, the Sun shines directly over each pole, plunging the other half of the planet into a 21-year-long, dark winter.



-H- Neptune-الذئال

Neptune(Outer planet: $0.067 \times 10^{22}N$)=

Gad (Zilpah servant of Leah),

الذئال : الذئيلُ : آجرُ كلِّ شيءٍ/ ذئيلُ مذئبٍ : (الفلك) شعاع طويل مضيء من الغاز والغبار ناتج عن رأس مذئبٍ عندما يقترب من الشَّمس/ الذئيالُ : الطويل الذئيل/ هو ذئيالُ بثوبه : جرَّار .

The Neptunian rings contain a large quantity of micrometer-sized **dust**: the dust fraction by cross-section area is between 20% and 70%. In this respect they are similar to the rings of

Jupiter, in which the dust fraction is 50%–100%, and are very different from the rings of Saturn and Uranus, which contain little dust (less than 0.1%). The particles in Neptune's rings are made from a dark material; probably a mixture of ice with radiation-processed organics. The rings are reddish in color, and their geometrical (0.05) and Bond (0.01–0.02) albedos are similar to those of the Uranian rings' particles and the inner Neptunian moons. The rings are generally optically thin (transparent); their normal optical depths do not exceed 0.1. As a whole, the Neptunian rings resemble those of Jupiter; both systems consist of faint, narrow, dusty ringlets and even fainter broad dusty rings.

-i- الحرثان/الجريان-Ceres

Ceres ($70 \times 10^{16} \text{N}$)=Asher (Zilpah).

- الحرثان القرطبي 671 هـ: حَرَّثَ الْأَرْضَ : شَقَّهَا بِسِكِّةٍ لِتُصْبِحَ قَابِلَةً لِلزَّرَاعَةِ/ حَرَّثَ النَّارَ : حَرَّكَهَا ، أَشْعَلَهَا .

- الجريان بن كثير 774 هـ: جَرَى الْمَاءُ فِي الْوَدْيَانِ : إِنْسَابٌ ، سَالَ ، تَدَفَّقَ/ جَرَى مَعَهُ : جَارَاهُ وَسَايَرَهُ .

Ceres is covered in countless small, young craters, but none are larger than 175 miles (280 kilometers) in diameter. This is surprising, given that the dwarf planet must have been hit by numerous large asteroids during its 4.5 billion-year lifetime.

The lack of craters might be due to layers of ice just below the surface. The surface features could smooth out over time if ice or another lower-density material, such as salt, is just below the surface. It's also possible that past hydrothermal activity, such as ice volcanoes, erased some large craters.

Within some of Ceres' craters, there are regions that are always in shadow. It's possible that without direct sunlight, these "cold traps" could have water ice in them for long periods of time.

Atmosphere of Ceres has a very thin atmosphere, and there is evidence it contains water vapor. The vapor may be produced by ice volcanoes or by ice near the surface sublimating (transforming from solid to gas).

A potential for Life: Ceres is one of the few places in our solar system where scientists would like to search for possible signs of life. **Ceres has something a lot of other planets don't: water. Here on Earth, water is essential for life, so it's possible that with this ingredient and a few other conditions met, life could maybe exist there.** Living things on Ceres, if they are there at all, would likely be very small microbes similar to bacteria. And while Ceres might not have living things today, there could be signs it harbored life in the past.

-J- ذو الفرغ-Pluto

Pluto ($5 \times 10^{16}N$)= Issachar (Leah).

ذو الفرغ : فَرَّغَ الْحَجَرَ : نَقَرَهُ ، جَوَّفَهُ/أصابته طعنة ذاتُ فَرَّغٍ : واسعة يسيل دُمُها/ الفَرُّغُ : مخرجُ الماء بين عراقي الدلو/إناءُ فَرَّغٌ : فَرَّغٌ ، خَالٍ.

Pluto's surface is characterized by mountains, valleys, plains, and **craters**. The temperature on Pluto can be as cold as -375 to -400 degrees Fahrenheit (-226 to -240 degrees Celsius).

Pluto's mountains can be as tall as 6,500 to 9,800 feet (2 to 3 kilometers) and are big blocks of water ice, sometimes with a coating of frozen gases like methane. And long troughs and valleys as long as 370 miles (600 kilometers) add to the interesting features of this faraway dwarf planet.

Craters as large as 162 miles (260 kilometers) in diameter dot some of the landscape on Pluto, with some showing signs of erosion and filling. This suggests tectonic forces are slowly resurfacing Pluto.

The most prominent plains observed on Pluto appear to be made of frozen nitrogen gas and show no craters. These plains do show structures suggesting convection (blobs of material circulating up and down).

-K- الضروح-Eris

Eris ($2.16 \times 10^{16}N$)= Zebulun(Leah).

الضروح : نِيَّةُ ضَرْحٍ : **بَعِيدَةٌ**/ ضَرْحَ الْأَرْضِ : شَقَّهَا/ ضَرْحَ الشَّيْءِ : دَفَعَهُ وَأَبْعَدَهُ نَاحِيَةً/

Eris is **the furthest** dwarf planet from the Sun, and is also the most massive currently recognized dwarf planet. Eris is located beyond the orbit of Neptune and beyond the Kuiper belt in a region known as the "scattered disc".

Eris is a trans-Neptunian object (TNO) and a member of a high-eccentricity population known as the scattered disk. It has one known moon, Dysnomia. As of February 2016, its distance from the Sun was 96.3 astronomical units (1.441×10^{10} km; 8.95×10^9 mi), roughly three times that of Pluto. With the exception of some long-period comets, until 2018 VG18 was discovered on December 17, 2018, Eris and Dysnomia were the most distant known natural objects in the Solar System.

-L- Haumea-الطارق

11-Haumea(1.28×10^{16} N)=Benjamin(Rachel).

الطارق : النجم الثاقب : ثَقَبَ : ثَقَبَ الكوكبُ ونحوه أضاء/ ثاقب: مُحْرِقٌ، يثقب **بنوره** الأجسام

Haumea is as bright as snow, with an **high albedo** that is consistent with crystalline ice. Spectral modelling of the surface suggested that 66% to 80% of the Haumea surface appears to be pure crystalline water ice, with the possible presence of hydrogen cyanide or phyllosilicate clays. Inorganic cyanide salts such as copper potassium cyanide may also be present.

Albedo (Latin: albedo, meaning 'whiteness') is the measure of the diffuse reflection of solar radiation out of the total solar radiation and measured on a scale from 0, corresponding to a black body that absorbs all incident radiation, to 1, corresponding to a body that reflects all incident radiation.

Surface albedo is defined as the ratio of radiosity to the irradiance (flux per unit area) received by a surface. The proportion reflected is not only determined by properties of the surface itself, but also by the spectral and angular distribution of solar radiation reaching the Earth's surface. These factors vary with atmospheric composition, geographic location and time (see position of the Sun). While bi-hemispherical reflectance is calculated for a single angle of incidence (for a given position of the Sun), albedo is the directional integration of reflectance over all solar angles in a given period. The temporal resolution may range from seconds (as obtained from flux measurements) to daily, monthly, or annual averages.

Enceladus, a moon of Saturn, has one of the highest known albedos of any body in the Solar System, with an albedo of 0.99. Another notable high-albedo body is Eris, with an albedo of 0.96. Many small objects in the outer Solar System and asteroid belt have low albedos down to about 0.05. A typical comet nucleus has an albedo of 0.04.

Haumea albedo is : 0.70 ± 0.10

Chapter VI

The first and last number

You may say : Well, zero is the first number or may be 1, but what is the last number !

I have a different value that can serve as first and last number in the same time which is neither "1" nor "0".

We already know that in mathematics there is no limits for numbers since we can continue to perform all arithmetic operations (addition, subtraction, multiplication, division and exponentiation) on each number infinitely. This concept was defined as the infinity.

The infinity symbol (∞) is a mathematical symbol representing the concept of infinity. The symbol resembles a geometric figure called a lemniscate. The Infinity represents something that is boundless or endless or else something that is larger than any real or natural number.

In the 17th century, with the introduction of the infinity symbol and the infinitesimal calculus, mathematicians began to work with infinite series and what some mathematicians regarded as infinitely small quantities, but infinity continued to be associated with **endless processes**. As mathematicians struggled with the foundation of the calculus, it remained unclear whether infinity could be considered as a number or magnitude and, if so, how this could be done.

At the end of the 19th century, mathematicians enlarged the mathematical study of infinity by studying infinite sets and infinite numbers, showing that they can be of various sizes. For example, in modern mathematics, a line is commonly viewed as the set of all of its points, and their infinite number (the cardinality of the line) is larger than the number of integers. In this usage, infinity is a mathematical concept, and infinite mathematical objects can be studied, manipulated, and used just like any other mathematical object.

Thus the mathematical concept of infinity refines and extends the old philosophical concept, in particular by introducing infinitely many different sizes of infinite sets.

Most of modern mathematics can be developed, and I discovered in the Quran the existence of the finite value.

The surah al-Ikhlās says :

"قُلْ هُوَ اللَّهُ أَحَدٌ (1) اللَّهُ الصَّمَدُ (2) لَمْ يَلِدْ وَلَمْ يُولَدْ (3) وَلَمْ يَكُنْ لَهُ كُفُوًا أَحَدٌ (4)"

- 1- Say, "He is Allah, [who is] One,
- 2-Allah, the Eternal Refuge.
- 3-He neither begets nor is born,
- 4-Nor is there to Him any equivalent."

Then verse 3 surah al-hadid says :

"هُوَ الْأَوَّلُ وَالْآخِرُ وَالظَّاهِرُ وَالْبَاطِنُ وَهُوَ بِكُلِّ شَيْءٍ عَلِيمٌ"

3- "He is the First and the Last, the Ascendant and the Intimate, and He is, of all things, Knowing"

These verses are about God "description", but I will analyse them mathematically and prove the existence of the last number.

1- Algebraic proprieties of the number

The first verse says God is one but then it says that he neither begets nor is born.

Here we can not say that God is figured by number 1 because number 1 in mathematics is changeable. If we perform addition or multiplication or any other arithmetic operation, the value of 1 will change by increasing or decreasing which is contrary to God description in the verse.

1- "He neither begets nor is born,"

God in the verse **is not** :

- A difference = Minuend – Subtrahend;

$$c = a - b$$

- A product = multiplicand × the multiplier;

$$c = a \times b$$

- A sum = Addend + Addend;

$$c = a + b$$

- A quotient = dividend / the divisor;

$$c = a / b$$

- A power = Base ^ Exponent .

$$c = a ^ b$$

2- "Nor is there to Him any equivalent."

In mathematics, an equation is a statement that asserts the equality of two expressions.

An equation is written as two expressions, connected by an equals sign ("="). The expressions on the two sides of the equals sign are called the "left-hand side" and "right-hand side" of the equation.

The most common type of equation is an algebraic equation, in which the two sides are algebraic expressions. Each side of an algebraic equation will contain one or more terms. For example, the equation $Ax+Bx+C=y$.

Then God is not equal to anything. Can we identify him by inequality ?

Of course God is not a number or a set because it's him who created numbers and sets. But I am trying to invent or discover a number that had these properties.

Let's call this value G.

In mathematics, an inequality is a relation which makes a non-equal comparison between two numbers or other mathematical expressions. It is used most often to compare two numbers on the number line by their size. There are several different notations used to represent different kinds of inequalities:

The notation $G \neq R$ (all real numbers) means that G is not equal to R, and is sometimes considered a form of strict inequality. It does not say that one is greater than the other, or even that they can be compared in size.

The comparison in size is resolved in the verse 3 surah al-hadid says :

3- "He is **the First** and **the Last**, the Ascendant and the Intimate, and He is, of all things, Knowing"

The First in mathematic means <

The mathematical translation of the **first** meaning he is $G <$ all numbers or sets.
 The notation $G <$ all numbers or sets means that G is less than all numbers and sets.

The Last in mathematic means $>$

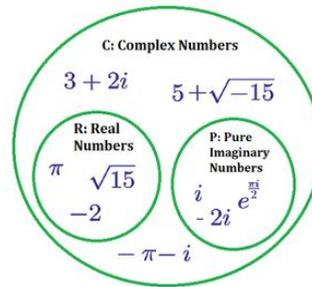
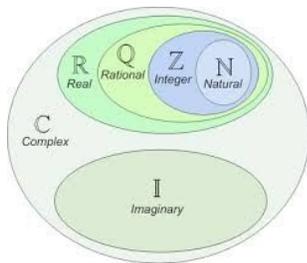
And the mathematical translation of the **last** meaning is $G >$ all numbers or sets.

The notation $G >$ all numbers and sets means that G is greater than all numbers or sets.

In either case, G is not equal to any number or set. These relations are known as strict inequalities, meaning that G is strictly less than or strictly greater than all numbers and sets.

Then we can deduct that the number or set G is \neq and $>$ and $<$ all numbers and sets.

This is the figure of all number sets and all of them are infinite (∞) but are not equal because for example there are more real numbers R than integers Z , or in other words, the cardinality of the set of real numbers must be a "bigger infinity" than the cardinality of the the set of integers.



Equation	Solution	Number Set	Symbol
$x - 3 = 0$	$x = 3$	Natural Numbers	\mathbb{N}
$x + 7 = 0$	$x = -7$	Integers	\mathbb{Z}
$4x - 1 = 0$	$x = \frac{1}{4}$	Rational Numbers	\mathbb{Q}
$x^2 - 2 = 0$	$x = \pm\sqrt{2}$	Real Numbers	\mathbb{R}
$x^2 + 1 = 0$	$x = \pm\sqrt{-1}$	Complex Numbers	\mathbb{C}

If G is different than all real, imaginary and complex numbers and in the same time bigger than them and smaller than them, what is G then ?

G in this sense is the limit bordering all these sets of numbers. Then if there is a limit to these sets it means they are not infinite on the contrast, they are finite and limited and their limits is G .

G is the limit of $(-\infty)$ because it's $< -\infty$ and G is the limit of $(+\infty)$ because it's $> +\infty$.

G is $\neq \infty$.

Since these sets are limited then they have limited elements which it means that for example the set R which is $\{-\infty, +\infty\}$ or $\{\dots -3, -2, -1, 0, 1, 2, 3, \dots\}$ have a last number in the two ends of the two directions the positive direction and the negative direction which is G and G .

The limited numbers set becomes: $G < \{R, C, I, N, Z, Q\} > G$

This means no set is infinite and refute the idea of infinity in mathematics.

G as a first number and last number proves that there is no infinite set.

You may wonder how number G is smaller than $-\infty$ and it is not $-G$ (negative number) !

The graphic visible proof that I will draw, will show you how number G is neither positive nor negative like number 0.

Number zero "0" is bigger $>$ than $(-\infty)$ and smaller $<$ than $(+\infty)$.

BUT

Number "G" is smaller $<$ than $(-\infty)$ and larger $>$ than $(+\infty)$.

But what is the value of G ? is it real or imaginary or complex number ?

According to surah al-Ikhlâs, the last number "G" can not be a difference or a product or a sum or a quotient or a power of any number.

- A difference = Minuend – Subtrahend;

$$c = a - b$$

- A product = multiplicand \times the multiplier;

$$c = a \times b$$

- A sum = Addend + Addend;

$$c = a + b$$

- A quotient = dividend / the divisor;

$$c = a / b$$

- A power = Base $^$ Exponent .

$$c = a ^ b$$

Then, this is the answer to the nature of number G: The number "G" is not complex number since it can't be a result of any operation performed on complex numbers. Moreover "G" number is not a real number since it can not be a result of any operation performed on real numbers and finally number "G" can't be an imaginary number because it's not a result of any operation performed on imaginary numbers.

But is number "G" positive or negative ?

Let's start from the assumption that The "G" number has two different faces the positive one +G and the negative one -G.

Can we make an arithmetic operations between +G and -G ? if it does change by increasing or decreasing its value then the operation is false because that is contrary to surah Al-Ikhlâs.

- $(+G) + (-G) = 0$ (decreasing its value).
- $(+G) \times (-G) =$ Negative number different than $(+G)$ and different from $(-G)$, then the value changes by decreasing or increasing.
- $(+G) - (-G) = (+G) + G = 2G$ (positive larger number).
- $(+G) \div (-G) = -1$ (decreasing its value).
- $(+G)^{(-G)} = (+G) \times (+G) \dots G$ times = positive larger number.

All these examples of operations on G number change its value by decreasing or increasing which it means are not performable according to the surah Al-Ikhlās.

Which guides us to conclude in the end that number G has no positive or negative nature exactly as number zero "0".

Some mathematicians describe number zero as "the origin".

The origin is number "G" and not zero, because G is the first and last number. Neither positive nor negative.

II- Geometric properties

"وَاللَّهُ الْمَشْرِقُ وَالْمَغْرِبُ فَأَيْنَمَا تُولُوا فَتَمَّ وَجْهُ اللَّهِ إِنَّ اللَّهَ وَاسِعٌ عَلِيمٌ (115)"

115-"And to Allah belongs **the east and the west**. So **wherever** you [might] turn, there is the Face of Allah . Indeed, Allah is all-Encompassing and Knowing."

"هُوَ الْأَوَّلُ وَالْآخِرُ وَالظَّاهِرُ وَالْبَاطِنُ وَهُوَ بِكُلِّ شَيْءٍ عَلِيمٌ"

3- "He is the First and the Last, **the Ascendant and the Intimate**, and He is, of all things, Knowing"

The geometric specifications are listed in the previous verses.

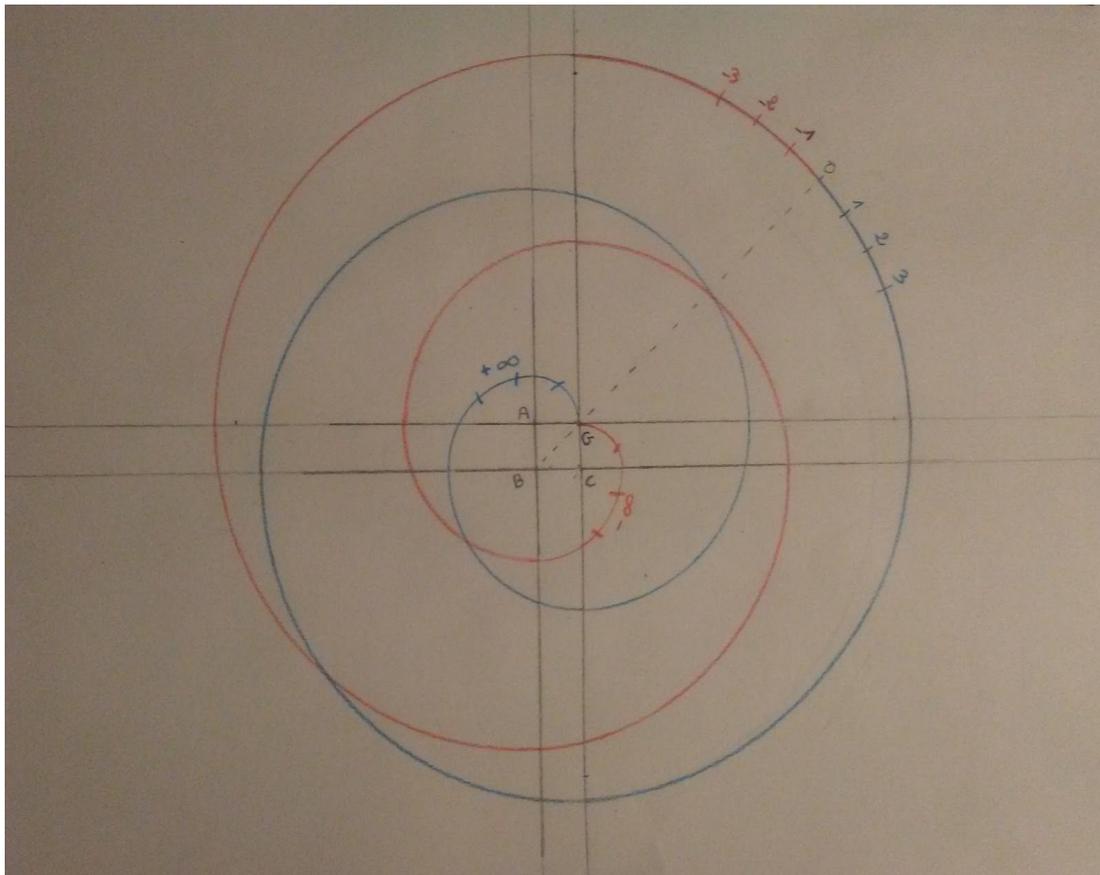
All directions: East (left) , west (right) , north (up) , south (down).

So, the number G has all directions in a graphical representation.

Do you remember the graphic representation of the path that the 7 universes follow to change from orbit to orbit in the first chapter of the book ?

That spiral path is the number spiral line that represents all numbers with number zero and the **last number G**.

I will draw it again with more explanations as follows :



In this graph we can see that the number "G" is the first and the last number in the same time

"and **wherever** you [might] turn, there is the Face of Allah".

So wherever you move from a position to another position on number spiral line (up and down, left and right), you must end up in the point of start number "G". This spiral line of all numbers with limited cardinality is the same spiral path through which the 7 universes travel to change from orbit to orbit: the 0, [142857](#).

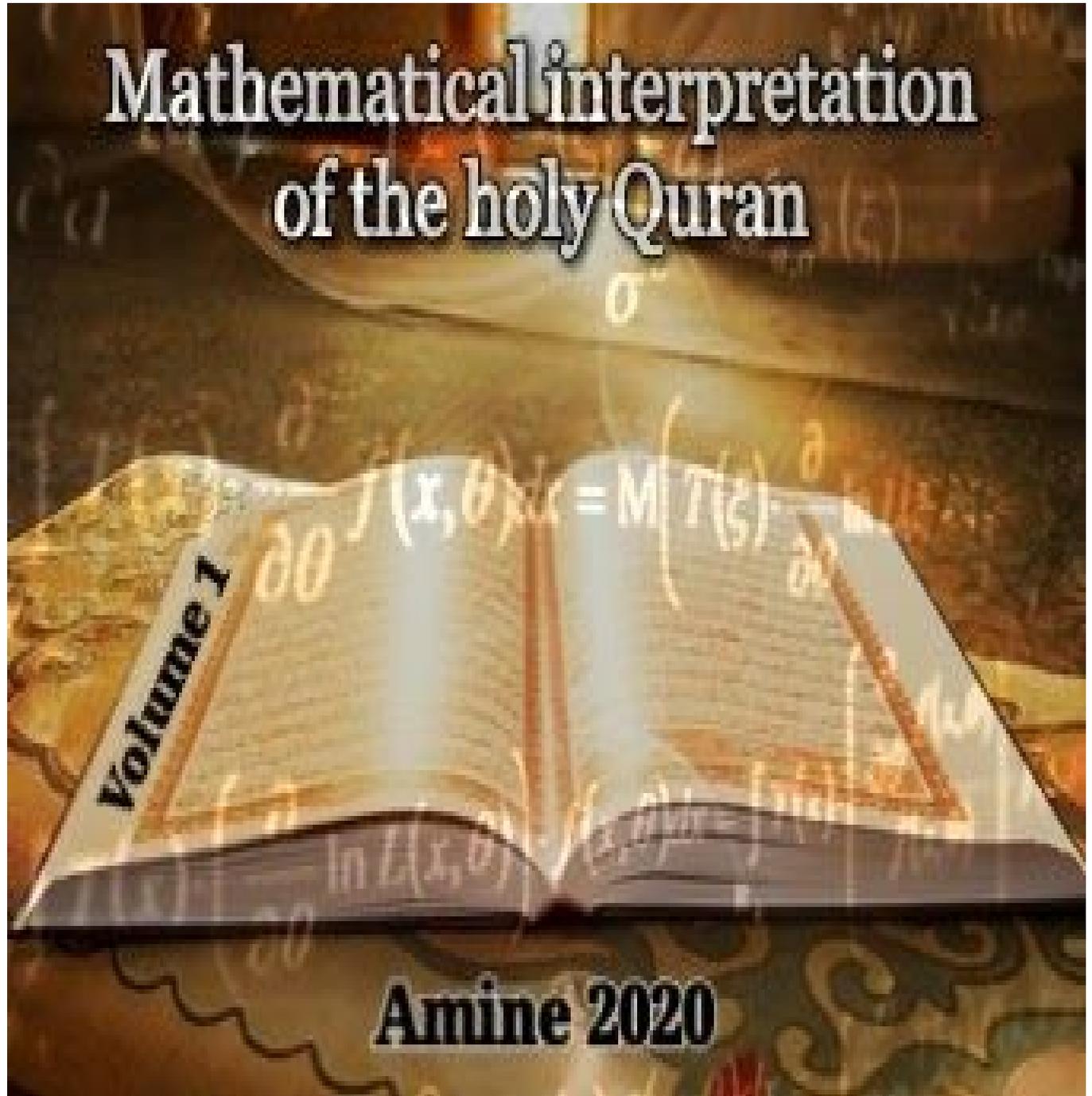
Number "G" is the origin of all numbers since it is the first and the last number. The number zero "0" is not the origin.

This number is just the opening to more future speculation and development in number theory and modern mathematics. Any interested person can think more about it and invent other theory.

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Part 2

Chapter VII: The Energy

I- Energy and "GEEDON"

The Geedon as I defined it in the previous chapters is "the human soul particle". I am going to study other verses in this chapter that link the Geedon to the energy and force and other physics' concepts.

The Geedon as graviton, is still a virtual particle not detected or measured yet. For that reason my path will be as rocky as Olympus Mons.

Olympus Mons is the highest mountain and volcano in the Solar System on the planet Mars. It is called Olympus Mons and is 16 miles (24 kilometers) high which makes it about three times higher than Mt. Everest. In addition to being very tall, it is also very wide (340 miles or 550 kilometers) and covers an area larger than the entire chain of Hawaiian islands. Olympus Mons is a very flat mountain which slopes by only 2 to 5 degrees. It is a shield volcano built up by eruptions of lava.

I hope that no lava from this book will erupt and cause problems between muslims ! As you know particle physics is a branch of physics that studies the elementary constituents of matter and radiation, and the interactions between them.

It is also called "high energy physics", because many elementary particles do not occur under normal circumstances in nature, but can be created and detected during energetic collisions of other particles, as is done in particle accelerators.

Modern particle physics researches are focused on subatomic particles, which have less structure than atoms. These include atomic constituents such as electrons, protons, and neutrons (protons and neutrons are actually composite particles, made up of quarks), particles produced by radiative and scattering processes, such as photons, neutrinos, and muons, as well as a wide range of exotic particles.

Strictly speaking, the term particle is a misnomer because the dynamics of particle physics are governed by quantum mechanics. As such, they exhibit wave-particle duality, displaying particle-like behavior under certain experimental conditions and wave-like behavior in others.

All the particles and their interactions observed to date can be described by a quantum field theory called the Standard Model. The Standard Model has 40 species of elementary particles (24 fermions, 12 vector bosons, and 4 scalars), which can combine to form composite particles, accounting for the hundreds of other species of particles discovered since the 1960s.

Energy is defined as the “ability to do work, which is the ability to exert a force causing displacement of an object.” Despite this confusing definition, its meaning is very simple: energy is just the force that causes things to move.

The SI unit of energy is the joule, which is the energy transferred to an object by the work of moving it a distance of 1 metre against a force of 1 newton. In physics, energy is the quantitative property that must be transferred to an object in order to perform work on, or to heat the object. Energy is a conserved quantity; the law of conservation of energy states that energy can be converted in form, but not created or destroyed.

In physics, an object is an identifiable collection of matter, which may be constrained by an identifiable boundary, and may move as a unit by translation or rotation, in 3-dimensional space. Each object has a unique identity, independent of any other properties. Two objects may be identical, in all properties except position, but still remain distinguishable. In most cases the boundaries of two objects may not overlap at any point in time. The property of identity allows objects to be counted.

Everyone has heard of the equation $E=mc^2$. Part of what that means is that making a particle requires energy proportional to its mass. Neutrinos, which are very low mass, are easy to make; electrons have a higher threshold, while heavy Higgs bosons need a huge amount of energy. Photons are easiest of all to make, because they don't have mass or actually very very insignificant mass and no electric charge, so there's no energy threshold to overcome. The Geedon particle is not makeable. May be with accelerator we can detect its existence mass. Geedon as I will show later has relativistic mass. This mass is negative and becomes 0 kg at light speed then it increases with speed increase. It's difficult to put a human been under accelerator experiment and accelerates it faster than light.

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But it takes more than energy to make new particles. You can create photons by accelerating electrons through a magnetic field, but you can't make neutrinos or more electrons that way. The key is how those particles interact using the three fundamental quantum forces of nature: electromagnetism, the weak force and the strong force. However, those forces are also described using particles in quantum theory: electromagnetism is carried by photons, the weak force is governed by the W and Z bosons, and the strong force involves the gluons. All of these things are described together by an idea called "quantum field theory."

In my study the object is the human being soul particle which is the smallest part of matter in human. The fundamental elementary particle that is irreducible, indivisible part of matter in human.

This particle is subject to energy transfer from photon angels by collision that I will try to prove later in the book. I have spoken in previous chapter about existence of human being soul particle which I give it a name "Geedon" . A Geedon interaction with the photon can cause the geedon to have a speed $>$ photon speed.

1- The "Geedon" Properties

The geedon is a name as photon, electron, proton... I gave to the human soul indivisible, irreducible element, which is the smallest particle.

The Geedon has mass that is $<$ mass photon. You definitely will ask how did I prove the existence of this particle and its mass and speed.

My answer will be to propose to you an experiment that is quite affordable to all people not only the scientific groups who usually have instruments and institutions that fund their researches. You are not going to need a laboratory or a particle accelerator or a rocket to go through space in speed close to speed of light.

The experiment I thought about is:

You buy 2 swatches with very precise time on them, and you adjust them on the exact same real time by seconds and the smallest part of the second possible on the swatch. The scientific expert use atomic clock which is more precise but for you and me, the easiest way is the hand swatch.

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You wear one swatch on your hand and you hang the second one on the wall in your room. When you sleep, your **GEEDON** will tunnel your body mass barrier and will possibly, if any force exerted on it, speed up and its wave will travel through space in higher speed.

When the GEEDON natural frequency increases, it will resonate with all the natural frequencies of all matter on your body like clothes and the swatch in your hand. That phenomenon will call it "resonance". The resonance unifies the wave of your Geedon with the natural wave frequency of the swatch and will create the antimatter of the swatch. A new wave unifying the antimatter of your swatch and Geedon to travel faster than light.

When the photon exerts enough force on your geedon by the collision, your geedon particle will have energy transferred to it and will speed faster than the light in a wave. That wave is going to resonate with the swatch natural frequency and take the antimatter of the swatch with it to speed faster than light also.

The external force exerted on your Geedon is caused by a collision of the photon "Angels" with the Geedon which increases the Geedon energy. Note that this collision can occur while you are awake but the travel faster than light will be for a very short time. Your Geedon does leave your body for an unnoticed time and rejoin your body fast in a way that you don't die because your soul left your body.

That speed will bring you back to past events in history and you **make dream about past events and you live that real event that occurred in real past time of life**. Actually it's not a dream, it's you who traveled to the past and you lived that event with your soul and your body's antimatter. This travel will cause your hand swatch antimatter to tick backwards during your dream while your body and swatch matter are still sleeping on the bed. When your backed swatch antimatter rejoins the swatch matter, the fusion will cause time unification according to traveled swatch.

When you wake up, compare the time shown on your hand clock and the time shown on your wall hunged clock to calculate using time contraction formula your geedon speed.

Time contraction is a difference in the elapsed time measured by two clocks, either due to them having a velocity relative to each other, or by there being a gravitational potential difference between their locations.

Of course both clocks you will use, will experience different velocity and gravitational field. If your brother stay in your room observing you dreaming he will not measure your hand clock

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matter ticking back yet until your Geedon, your body's antimatter and your clock antimatter rejoin your body.

A clock that is close to a massive body (and which therefore is at lower gravitational potential) will record less elapsed time than a clock situated further from the said massive body (and which is at a higher gravitational potential).

Gravitational time dilation is at play e.g. for ISS astronauts. While the astronauts' relative velocity slows down their time, the reduced gravitational influence at their location speeds it up, although at a lesser degree. Also, a climber's time is theoretically passing slightly faster at the top of a mountain compared to people at sea level. It has also been calculated that due to time dilation, the core of the Earth is 2.5 years younger than the crust. "A clock used to time a full rotation of the earth will measure the day to be approximately an extra 10 ns/day longer for every km of altitude above the reference geoid."

Gravitational time contraction is for the dreamer. While the dreamer's relative velocity slows down his time or reverse it back, the reduced gravitational influence at his location far from earth speeds it up, although at a lesser degree.

Am not going to measure the gravitational effect on the moving clock when you are dreaming because all event that you are suppose to dream about are on earth in the same gravitational field.

A- Time contraction:

A-1 Formula

Time contraction formula

$$T' = \frac{t \times v}{-c}$$

T' = Contracted time (Weared moving clock).

t = Real earth time (Stationary wall-clock).

v = velocity of G-particle.

c = speed of light.

Amine's time contraction formula

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T' ... time indicated by the **hand clock after waking up** . Contracted time on moving clock in dream. (That clock antimatter was traveling in space from point A "the bed" to point B where for example Hiroshima event reached, carried by light.)

t ... time indicated (after waking up) by the **clock hanged on the room** wall stationary on the Earth. Real elapsed time on stationary clock hanged on the room's dreamer wall.

v ... velocity of the Geedon particle relatively to the Earth.

c ... speed of light

This formula is NOT based on the constant "c" that is the maximum speed. According to special relativity, c is the upper limit for the speed at which conventional matter and information can travel. Though this speed is most commonly associated with light, it is also the speed at which all massless particles and field perturbations travel in vacuum, including electromagnetic radiation and gravitational waves. Such particles and waves travel at c regardless of the motion of the source or the inertial reference frame of the observer. Particles with non zero rest mass can approach c, but can never actually reach it.

For me according to the verse 4 Sûrat Al-Ma'ârij the speed of light is not the maximum speed. It is true that information can not travel faster than light but Geedon particle can travel close to light speed and then collect future informations before they happen. Geedon also, can travel faster than light and can collect information from the past that already happened in history.

This speed is limited by the body mass in which the soul particle is located, but collision between photon and Geedon can speed the Geedon up faster than light.

A-2- The Geedon velocity "r"

Velocity is defined as a vector measurement of the rate and direction of motion. Put simply, velocity is the speed at which something moves in one direction. The speed of a car traveling north on a major freeway and the speed a rocket launching into space can both be measured using velocity.

In Geedon there are three states to distinguish :

1- [Awakeness](#)

In awakensess the body mass exert a force of resistance against the Geedon negative mass and limits its speed, so the Geedon does not have enough energy and can not tunnel the body mass

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barrier and exceed light speed by too much and for too long, hence you can not go further in past and stay in it for long.

You can have informations from very close past or future event for part of a second.

2- N1 (NREM stage 1)

Is when the person is drowsy or awake to falling asleep. Brain waves and muscle activity start to decrease at this stage.

Here body mass resistance decreases and Geedon has more energy to tunnel body barrier. it will be able to travel faster than in awakesness state to have more information about the future or past for longer time.

3- REM stage

REM sleep as a unique state, in which dreams usually occur. The brain is awake and body paralyzed." This unique stage is usually when the person is in the deepest stage of sleep and dreams. 90 minutes for the average length of a sleep cycle.

In this stage the body mass does not exert any resistance force on the Geedon and this particle can tunnel the body barrier to travel faster than light for minutes.

The verse 4 surah Al-Ma'arij sets the Geedon maximum speed :

"تَعْرُجُ الْمَلَائِكَةُ وَالرُّوحُ إِلَيْهِ فِي يَوْمٍ كَانَ مِقْدَارُهُ خَمْسِينَ أَلْفَ سَنَةٍ"

"The angels and the Rûh [Jibrîl (Gabriel)] ascend to Him in a Day the measure whereof is fifty thousand years."

In this verse scholars interpreted the undefined word Rûh by the angel Gabriel but some others interpreters like "Ibn Kathîr" he mentioned that it could mean the human soul that god said in verse 29 surah Al-Hijr :

"فَإِذَا سَوَّيْتُهُ وَنَفَخْتُ فِيهِ مِنْ رُوحِي فَقَعُوا لَهُ سَاجِدِينَ"

4- "And when I have proportioned him and breathed into him of My [created] soul, then fall down to him in prostration."

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Then the verse 85 surah Al-Israa:

"وَيَسْأَلُونَكَ عَنِ الرُّوحِ ۖ قُلِ الرُّوحُ مِنْ أَمْرِ رَبِّي وَمَا أُوتِيتُمْ مِنَ الْعِلْمِ إِلَّا قَلِيلًا"

85- "And they ask you, [O Muhammad], about the soul. Say, "The soul is of the affair of my Lord. And mankind have not been given of knowledge except a little."

The surah Al-Isra is about night journey that involves the angel Gabriel and the prophet muhammed (pbuh), the prophet is a human soul. It means that the soul mentioned can be human's or angel's.

From these verses we can understand that the soul could be the angel Gabriel or could be the human soul that is derived from "God's soul" or "God's essence". Consequently, I am going to consider the soul that in the verse 4 Sûrat Al-Ma'ârij is the human soul (GEEDON PARTICLE).

As I said previously, the human soul is composed from the Geedon the smallest particle with mass < photon mass and has a potential speed > "c" speed of light.

It is true that the light is the upper limit for the speed at which conventional matter and information can travel in modern physics. But since many experiences shows that human soul can have the information before the light transports it to human body's five senses, then Geedon can be faster than photon.

The human body has actually six senses and the sixth one is active when the Geedon accelerates because of an energy transferred to it that increases and transforms its potential energy to kinetic energy that has a momentum.

It means in my point of view that every Geedon has the potential energy to have the maximum speed mentioned in the verse provided that an energy is transferred to the Geedon.

This maximum speed I am going to calculate later , we can apply the time contraction on it also to see the difference between "T1" of moving Geedon and the "T2" of stationary geedon.

The speed mentioned in the verse is > than the speed of light that we know, the constant "c".

The speed of light was demonstrated by DR/ Mohamed Dodah in a published research in the website of "Commission on Scientific Signs of Qur'an & Sunnah".

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After the great job done by this muslim scientist ! now we have to continue the work harder and move forwards to discover the speed of the Geedon. The way is still long to go and to labour it!.

The verse 4 Sûrat Al-Ma'ârij has set an equation . In mathematics, an equation says that two things are equal. It will have an equals sign "=" like this:

$$x + 2 = 6$$

That equations says: what is on the left ($x + 2$) is equal to what is on the right (6)

So an equation is like a statement "this equals that"

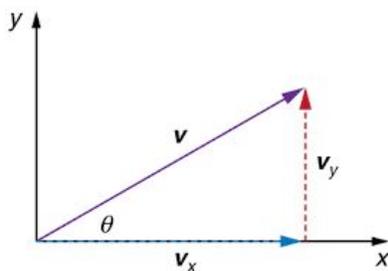
Our verse 4 equation is :

$$1 \text{ cosmic day} = 50000 \text{ days}$$

The elements of the equation are :

1- Ascend = distance between position "A"(earth) and position "B" (to Him);

Ascend is the direction of the velocity vertically from down to up in linear or curvilinear motion.



2- In a Day = One cosmic day is 24 hours and in seconds it is: 86400 seconds according to the International standards (Solar and not lunar)

3- Fifty thousand years = The distance that the earth orbits the sun 50000 times.

Earth orbits the Sun at an average distance of 149.60 million km, and one complete orbit takes 365.256 days (1 sidereal year), during which time Earth has traveled **940 million km**.

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Then the 50 000 years = $50\,000 \times 940\,000\,000\text{ km} = 4,7E13\text{ km}$ or 47000000000000 km or $4,7 \times 10^{13}\text{ km}$.

We have the value of 50 thousands years converted to $47.000.000.000.000\text{ km}$ which is "the distance" from position "A" on earth to position "B" where the limit of seventh universe. And we have the length of the day "86.400 seconds" which is "the time".

Hence, we now have to use the following formula : $\text{Speed} = \text{distance} \div \text{time}$

The Geedon speed = $47.000.000.000.000\text{ km} \div 86.400 = 543.981.481,481\text{ km/s}$:
(543981481481 m/s) which is approximately 1814,53 times the speed of the light ($299\,792\,458\text{ m/s}$)

Therefore we can realize what is the maximum speed that Geedon particle can reach. This speed is not constant as light.

Note that the verse talked about the angels too who can travel on that same speed. This means that speed of light is not constant. The 3×10^8 is the max speed of light on earth that can communicate informations but angels "photon" who bring revelation informations to prophets are faster.

B- Example :

T' ... Time indicated by the hand clock **after waking up** . (That clock's antimatter was traveling in space from point A "the bed" to point B where Hiroshima event reached carried by light with speed c).

t ... Time indicated (after waking up) on the clock hanged on the room'd wall stationary on the Earth.

v ... Speed of the Geedon amine's particle relatively to the Earth.

c ... Speed of light

T' = Contracted time in dream

t = Stationary time in room

v = velocity

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c = speed of light

Amine sleeps in august 6, 2020 and his soul (Geedon particle) leaves his body on bed and travels in the space from position A (the bed) at X times the speed of light, he exceeded the speed of light and went to position B in space where the light that was carrying the Atomic Bomb on Hiroshima event had reached.

The event occured on August 6, 1945 on our planet earth, 75 years ago.

The light has transported the event for 75 years with speed of 300000 km/s to a distance of :

$$2366820000 \text{ seconds} \times 300000 \text{ km} = 7.10046e14 \text{ km.}$$

$$710046000000000 \text{ km}$$

$$\text{Or } 7.10046 \times 10^{14} \text{ km}$$

This is the distance Amine has to make faster than light to catch the light space-position where it brought the event.

Let's assume for the simplicity of calculation that the light did stop to travel at that distance and the event of the bomb is in that space-position, how much time Amine needs with his maximum Geedon speed 543981481481 m\s to reach that space-position where the event is ?

Amine dreams that he is walking through roads of Hiroshima and watching the dommage with no ability to change anything in the event. Amine talked to one of the survivor in that dream and asked him one question about the situation and the survivor answered him. Then Amine woke up. The answer given by the survivor was an information that was verified after waking up and it was TRUE information. The survivor is not still living in 2020 but he passed away in 2010.

All the streets and the buildings and the persons of the event are true. They existed in 1945.

The dreamer maximum Geedon speed is 543981481481 m\s. How long did that travel in past last to reach the event ?

$$\frac{710046000000000 \text{ km}}{543981481,481 \text{ km}\backslash\text{s}} = \text{ sec ?}$$

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1305276 seconds = 15 days

So the dreamer traveled to 6 august 1945 in 15 days. Of course you can not sleep 15 nights in a roll non stop to reach the event but we can deduce that this duration has to be divided by normal human sleep average in 24 hours.

Let's say you sleep 8 hour (One night) every 24 hours (One day), you will travel the first 8 hours in your maximum speed making distance D1. The next night you will continue the travel on the same speed to make D2. You continue to travel each night a distance D and when you reach 15 days of travel duration (1305276 seconds), you arrive to space of the hirochima event.

It means that "D" = { D1 + D2 + D_n...}. To make the distances add up, your brain waves has to be focused continuously on that event for these nights during your awakesness. If you stop thinking about that event during your awakesness, you will never dream about it.

Another challenging legitimate question to be asked here : What is the Geedon g acceleration force to reach that maximum speed ?

The gravitational force equivalent, or, more commonly, **g-force**, is a measurement of the type of force per unit mass – typically acceleration – that causes a perception of weight, with a g-force of 1 g equal to the conventional value of gravitational acceleration on Earth, g, of about 9.8 m/s².

The g-force of the Geedon to accelerate from zero to 543981481,48 km/s in one cosmic day (24 hour: 86400 seconds) is : 642021,69 m/s²

With this g-force in linear motion, to reach the speed of light (300000 km/s) you need 47,65 seconds and to reach double speed of light (600000) you need 1 minute and 35,3 second.

The Geedon speed is not constant in all the time but it's subject to increase or decrease according to the external energy transferred to it. The Geedon has potential energy to travel at its max speed but also, can go on speed < than the max, and that depends on **the energy transferred to it from external force(Photon)**.

Depending on that external energy transferred to person's Geedon, some persons can travel through future and past and some can not.

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When you wake up after the dream, the clock hanged on the room's wall shall not show the same hour, minutes and seconds because that travel faster than light caused the hand swatch to tick back. The hand clock time will be earlier than time on the hanged clock, that is the **time contraction** effect between real earth time and Geedon travel time.

T' = Contracted time on the hand clock.

t = Stationary elapsed time from event (A: falling asleep to event B: waking up) Or from event (A starting the dream travel to event B end of dream travel) on the hanged clock.

v = velocity : any number that is : $0 < v \leq 543981481,48 \text{ km/s}$ (1814,53 times speed of light)

g -force = $642021,69 \text{ m/s}^2$

c = speed of light : $299\,792\,458 \text{ m/s}$

The time contraction T' is the ticking back of your hand clock and that is proportional to the ratio of v/c . It's $-c$ because the more you exceed the "c" the more your time goes back (-)

$$v/c = -a$$

$$-a \times t = T'$$

Exemple :

- You sleep at 16:00 (both hand clock and wall clock shows 16:00:00).
- You start (dream) to travel fast at 20:00 on both clocks with g -force $642021,69 \text{ m/s}^2$, you reach 300000 km/s after 47,65 seconds at 20:00:48 rounded on both clocks. (Here for the simplicity of calculation let's ignore the concept that if you travel close to "c", exp 90% of c your hand must tick forward vis a vis the wall clock).
- At 20:00:48 you start to travel to the past. Here your wall clock continue to run normal to 20:01:00, but your hand clock antimatter starts to run backward proportional to the ratio :

$$\frac{(300000+n)}{-300000} = -a$$

$(300000+n)$ is your velocity exceeding "c", so your $v = c + n$; and -300000 is the "-c"; it is negative because you travel backward in past.

Then you calculate elapsed time from 20:00:48 till the time you wake up (we suppose you finish the dream and wake up at 21:00) = 59 minutes 12 seconds (the time elapsed after you start travel to past by exceeding "c").

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This time is in seconds 3552 s.

Then you multiply that time $3552 \times -a$.

Let's suppose that you traveled to past in speed of 600000 km/s (2 times "c"). So

$$\frac{(300000+300000)}{-300000} = -2 \text{ (ratio)}$$

T' (contracted time) = t (elapsed time from dream start to dream finish 3552 seconds) \times (-a that is -2)

$T' = -7104$ seconds (negative sign is to indicate time backward).

The hour shown on wall hanged swatch is 21:00 when you woke up, your hand clock shall be showing 21:00-7104 seconds (2 hours approximately) = 19:00. This is in case you travel double "c".

Let's suppose you go on your fastest Geedon speed which is 1814 times "c" as calculated before; then the ratio (-a) is -1814.

Then in the previous example $3552 \text{ seconds} \times -1814,53 = -6445210,56 \text{ secondes}$ (-1790 hours). It means you will find your hand clock backed 1790 hours or 74,60 days. If your dream was done on december 15, 2020, your hand clock, when you wake up, will be dated approximately on first october 2020 but your wall hanged clock will be on the same day you slept.

This seems unimaginable, but I think it's true according to my mathematical analysis and calculation.

My invented Time contraction formula then is :

Time contraction formula

$$T' = \frac{t \times v}{-c}$$

T' = Contracted time (Weared moving clock).

t = Real earth time (Stationary wall-clock).

v = velocity of G-particle.

c = speed of light.

Amine's time contraction formula

I need to mention for the reader that it's very important to understand that according to me and my theory the time contraction and Geedon velocity > photon velocity is depending on the energy transferred to Geedon. Hence, not everyone can travel faster than light.

2- The energy transfer

Energy and Force are words that have very specific meanings in science which are not always the meanings that are used in everyday life. The words energy and force are not interchangeable - they are not the same as each other.

A force is a push or a pull which is easily demonstrated and felt but energy is a slightly more abstract concept. They are measured in different units: force in Newton's and energy in Joules.

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When a force is applied to an object, such as a supermarket trolley, the trolley accelerates and moves forwards.

Another way of describing the same situation is to say that a transfer of energy has occurred. The trolley gains kinetic (moving) energy and, as energy can not be created or destroyed, this must involve a transfer of energy. Chemical energy in the body of the person pushing the trolley was changed into the kinetic energy of that trolley.

It is the force that causes the trolley to start moving and, as it does so, it gains kinetic energy

A- Force

Work transfers energy from one place to another, or one form to another.



A baseball pitcher does positive work on the ball by applying a force to it over the distance it moves while in his grip.

To calculate the work, we have to get the **product of force and displacement**. A force is said to do work if, when acting, there is a movement of the point of application in the direction of the force.

For example, when a ball is held above the ground and then dropped, the work done on the ball as it falls is equal to the weight of the ball (a force) multiplied by the distance to the ground (a displacement).

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And we will see later how we can not determine where the Geefon position inside the body located exactly.

In classical mechanics a **physical body** is collection of matter having properties including mass, velocity, momentum and energy. The matter exists in a volume of three-dimensional space. This space is its extension.

The force in classical physics is simple but it gets other definition in modern physics theories. With modern insights into quantum mechanics and technology that can accelerate particles close to the speed of light, particle physics has devised a Standard Model to describe forces between particles smaller than atoms. The Standard Model predicts that exchanged particles called gauge bosons are the fundamental means by which forces are emitted and absorbed. Only four main interactions are known: in order of decreasing strength, they are: strong, electromagnetic, weak, and gravitational. High-energy particle physics observations made during the 1970s and 1980s confirmed that the weak and electromagnetic forces are expressions of a more fundamental electroweak interaction.

In modern particle physics, forces and the acceleration of particles are explained as a mathematical by-product of exchange of momentum-carrying gauge bosons. With the development of quantum field theory and general relativity, it was realized that force is a redundant concept arising from conservation of momentum (4-momentum in relativity and momentum of virtual particles in quantum electrodynamics). The conservation of momentum can be directly derived from the homogeneity or symmetry of space and so is usually considered more fundamental than the concept of a force. Thus the currently known fundamental forces are considered more accurately to be "fundamental interactions". Likewise, The geedon is subject to one or more of these interactions.

When particle "A" emits (creates) or absorbs (annihilates) virtual particle "B", a momentum conservation results in recoil of particle "A" making impression of repulsion or attraction between particles "A" "A" exchanging by "B". This description applies to all forces arising from fundamental interactions. While sophisticated mathematical descriptions are needed to predict, in full detail, the accurate result of such interactions, there is a conceptually simple way to describe such interactions through the use of Feynman diagrams. In a Feynman diagram, each matter particle is represented as a straight line traveling through time, which normally increases up or to the right in the diagram. Matter and antimatter particles are identical except for their direction of propagation through the Feynman diagram. World lines of particles intersect at interaction vertices, and the Feynman diagram represents any force arising from an interaction as occurring

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at the vertex with an associated instantaneous change in the direction of the particle world lines. Gauge bosons are emitted away from the vertex as wavy lines and, in the case of virtual particle exchange, are absorbed at an adjacent vertex.

Modern physics brings all existing forces down to four fundamental forces. All of these fundamental forces – physicists prefer to say: 'interactions' – are transmitted by **special force particles**. The electromagnetic interaction acts between electrically charged particles and is transmitted by a force particle called the photon. This force has effects in technical applications and in the human metabolism. Light is the interaction of photons with the retina in our eyes. Chemical bonds, but also physical phenomena like friction, elasticity or surface tension, are ultimately consequences of the electromagnetic interaction between the exterior electrons of atoms. The strong interaction acts inside the atomic nucleus and is transmitted by gluons. They 'glue' together the quarks into protons and neutrons and assure the solidity of the atomic nucleus. The weak interaction permits the transmutation of quarks into other quarks and of leptons into other leptons. It is transmitted by the so-called W and Z bosons that we will see later how it can change the Geedon identity. Without the weak interaction, there would be no radioactivity and the sun could not shine. The fourth interaction is gravity, which we know from the terrestrial attraction. It is presumably transmitted by the graviton. All force particles have been observed experimentally, with the exception of the graviton.

I will be applying all the theories as possible as I can to the human being soul particle Geedon to have more understanding of it.

I proposed the two clocks dreamer experiment to detect through the clock ticking backward the existence of the Geedon particle, then to calculate its velocity.

The only information we had from the Quran is the maximum velocity, the g-force and the distance. I could develop these informations and deduce the different distances that Geedon can do and the effect of transcending the "c" speed and its consequences like time contraction.

Let's admit the idea that God has created a unique source of energy that provides all other energies like the sun is source of heat and light and all reactions on earth.

What is exactly the kind of energy transferred to Geedon to make its velocity $> "c"$?.

Common forms of energy include the kinetic energy of a moving object, the potential energy stored by an object's position in a force field (gravitational, electric or magnetic), the elastic

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energy stored by stretching solid objects, the chemical energy released when a fuel burns, the radiant energy carried by light, and the thermal energy due to an object's temperature.

In special relativity theory mass and energy are closely related. Due to mass–energy equivalence, any object that has mass when stationary (called rest mass) also has an equivalent amount of energy whose form is called rest energy. All these will be detailed later for the Geedon.

Any additional energy (of any form) acquired by the object above that rest energy will increase the object's total mass just as it increases its total energy. For example, after heating an object, its increase in energy could be measured as a small increase in mass, with a sensitive enough scale.

The Geedon speeding $>$ than "c" will need more energy because its mass will increase exactly as when you drive a car too fast you feel your mass increasing and you feel heavy.

According to special relativity theory, an object approaches the speed of light, its mass rises precipitously. If an object tries to travel 300000 km per second, its mass becomes infinite, and so does the energy required to move it. For this reason, I think that no normal object can travel as fast or faster than the speed of light except the Geedon that can exceed that speed with a finite energy transferred from an external source by applying a force to it which is photon collision. The Geedon mass increase will be detailed later.

Energy is divided into two types: potential and kinetic. The best way to think about them is that potential energy occurs before an action, and kinetic energy happens during an action. Imagine you are holding your physics textbook up in the air. It has the potential to drop, just because of its high position. If you let the textbook drop, the potential energy is converted into kinetic energy – the energy in the movement itself.

As the energy transfer can make Geedon travel to past and future, it can also travel in speed of light and stops its croissance by stopping its time which it stops human age and become eternal.

The photon is the particle that exerts force on the Geedon and transfers energy to it. The Geedon has potential energy due to his position vis a vis the photon and a collision could cause the potential energy to be converted to kinetic energy and make that translational motion through space and travel faster than light.

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B- The energy

Let's see the kind of energy the Geedon can have as a particle:

B-1-As a single particle

A single particle can have only two kinds of energy: the energy associated with its rest mass, called "rest energy," and the energy associated with its motion, called "kinetic energy." The Geedon treated as single "Single isolated person" has therefore only two types of energy, the energy related to its mass called "rest energy" and the energy related to its motion called "kinetic energy".

B-1-a The rest energy

The rest energy of the Geedon is calculated by the formula $E = mc^2$.

This means the particle Geedon has a rest mass which is $E \div c^2$. This mass increases when energy increases and that explain why a hot object with more internal energy has slightly more mass than cold object.

The verse 65-66 surah Al-anfal state:

"يَا أَيُّهَا النَّبِيُّ حَرِّضِ الْمُؤْمِنِينَ عَلَى الْقِتَالِ ۗ إِنْ يَكُنْ مِنْكُمْ عِشْرُونَ صَابِرُونَ يَغْلِبُوا مِائَتِينَ ۗ وَإِنْ يَكُنْ مِنْكُمْ مِائَةٌ يَغْلِبُوا أَلْفًا مِّنَ الَّذِينَ كَفَرُوا بِأَنَّهُمْ قَوْمٌ لَا يَفْقَهُونَ" (65)
 "الآن خَفَّفَ اللَّهُ عَنْكُمْ وَعَلِمَ أَنَّ فِيكُمْ ضَعْفًا فَإِنْ يَكُنْ مِنْكُمْ مِائَةٌ صَابِرَةٌ يَغْلِبُوا مِائَتِينَ ۗ وَإِنْ يَكُنْ مِنْكُمْ أَلْفٌ يَغْلِبُوا أَلْفِينَ بِإِذْنِ اللَّهِ ۗ وَاللَّهُ مَعَ الصَّابِرِينَ" (66)

65-"O Prophet, urge the believers to battle. If there are among you **twenty [who are] steadfast, they will overcome two hundred**. And if there are among you one hundred [who are] steadfast, they will overcome a thousand of those who have disbelieved because they are a people who do not understand."

66-"Now, Allah has lightened [the hardship] for you, and He knows that among you is weakness. So **if there are from you one hundred [who are] steadfast, they will overcome two hundred**. And if there are among you a thousand, they will overcome two thousand by permission of Allah . And Allah is with the steadfast."

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This verse compare believers' Geedon that have the same rest energy as unbelievers' Geedon. With the force F "Patience" exerted on them for unlimited duration of time "steadfastness" which is constance.

This patience will create kinetic energy which is the double of a kinetic energy of an unbeliever. This double amount of energy allows them to overcome the energy of unbelievers. The comparison of energies is expressed in a ratio of :

100 overcome 200 or we can reduce it to 10 overcome 20. Two quantities can be compared in a ratio of $200/100 = 2$ which means every believer Geedon can have the double energy of an unbeliever. This is due to the net force exerted on the believers group from external "photon-Geedon" and internal "Geedon-Geedon" interactions that cause them to move all together.

The constance expressed in the verse is the same as the physical concept of the "constant net force". If the net force had acted in the y or z direction the solution would be the same, except for the subscripts indicating direction. The time t can be arbitrarily large as long as the net force on the system is constant during the time interval 0 to t. The time derivative of v_x is the x component of acceleration, which is constant since $F_{net,x}$ is constant:

$$\frac{dv_x}{dt} = \frac{F_{net,x}}{m} = a_x$$

The net force = internal system forces "society of individual interacting" + surrounding forces "environment, Angels.." These net forces can vary from a person to another, but when exerted, the believers' Geedon's energy is doubled than unbelievers' energy.

A Geedon of a believer who is living in unbeliever society is subject to varying net force. A familiar example of a force that is not constant is the force exerted by a spring that is stretched or compressed. The magnitude of this force depends on the amount of stretch or compression of the spring. The force is directed along the line of the spring.

That's why a muslim believer living in unbeliever society has to integrate the muslim believer's small community within the larger unbeliever society to form a union of at least 100 believers to

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be able to create the interaction force between them. That interaction keep each muslim energy double to unbeliever's energy.

When calculating the work done on a system (exp: single Geedon particle) by an applied force, we are interested in the effect of the component of the force that is parallel to the displacement of the Geedon. It was useful to divide an applied force into two parts: $\vec{F} \parallel$, the component of a force parallel to a system's momentum, which can change the magnitude of the momentum (and hence the speed), and $\vec{F} \perp$, the perpendicular component of the force, which can change the direction of momentum but not the magnitude. For example, in the circular orbit of a planet around a star, the planet's speed is constant, since the force by the star is always perpendicular to the planet's momentum. In calculating work we see a similar pattern: the part of an applied force that is parallel to $\Delta\vec{r}$, the displacement, does nonzero work on the system, but the perpendicular part of the force does not contribute to changing the system's energy. In order to calculate the work done on a system by a force \vec{F} , we want to use the parallel component of \vec{F} . This suggests using a dot product:

The work done by a constant force

$$\begin{aligned} W &= \vec{F} \bullet \Delta\vec{r} \\ &= \left| \vec{F} \right| \left| \Delta\vec{r} \right| \cos \theta \\ &= F_x \Delta x + F_y \Delta y + F_z \Delta z \end{aligned}$$

The displacement $\Delta\vec{r} = \langle \Delta x, \Delta y, \Delta z \rangle$. The angle θ is the angle between \vec{F} and $\Delta\vec{r}$.

Work can be positive or negative. If you push or pull in the direction of displacement, you do positive work and you increase the energy of the single Geedon or multiple Geedons system. If you push or pull in the direction opposite to the displacement, you do negative work and you decrease the energy of the system. That what it happens when unbeliever society exert negative work to apply force reducing believer's energy to serve God.

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The Energy Principle states that the change in energy of a system (in this case, a single particle) is equal to the energy input from work done by the surroundings.

$$\Delta E_{\text{sys}} = W_{\text{surr}}$$

Since the kinetic energy of a particle might increase or decrease, it must be the case that the work done by the surroundings can be positive or negative.

What is the meaning of negative work on Geedon ?

Suppose that you want to slow down a moving "Vibration, rotation, translation" Geedon. You push in a direction opposite to the Geedon's motion, and although the Geedon keeps moving in the original direction, it gradually slows down. The Geedon's kinetic energy decreased, so you must have done negative work on the Geedon. Evidently a force acting in a direction opposite to the displacement of a Geedon does negative work. It is important to determine the correct sign of the work done on a Geedon's system, because increasing energy is associated with positive work, and decreasing energy is associated with negative work.

So in the end I can say that the final energy of a single Geedon system or a multiple Geedons system is equal to the initial energy of the system + the surrounding "society" work + other inputs "as angeles..."

$$E_{\text{sys},f} = E_{\text{sys},i} + (W_{\text{surr}} + \text{other inputs})$$

If a Geedon particle doesn't change its identity, both the initial and the final energies of the system include mc^2 rest-energy terms and these cancel out in the energy equation: $mc^2 + K_f = mc^2 + K_i + W$.

This is an important and common special case, but it is not the only case. In some processes the mass of a particle can change because the identity of the particle changes. Neutron decay is a good example to illustrate the issues. A free neutron (one not bound into a nucleus) is unstable, with an average lifetime of about 15 min. It decays into a proton, an electron, and a nearly massless antineutrino, which travels at nearly the speed of light. All three of these particles have kinetic energy. That is, they have energy above and beyond their rest energy; the energy of the antineutrino is nearly all kinetic, because it has almost no rest energy. This is a situation with a change of particle identity, and a change in particle rest energy. We will see next that Geedon can be subject to identity change that can change its rest energy.

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Can you imagine that even Geedon human soul particle can change its identity and that occurred in history and can occur again in future. This change or decay was expressed in the verse 60 surah Al-Maaida:

"قُلْ هَلْ أُنَبِّئُكُمْ بِشَرٍّ مِّنْ ذَلِكَ مَثُوبَةً عِنْدَ اللَّهِ مَنِ لَعَنَهُ اللَّهُ وَعَصِبَ عَلَيْهِ وَجَعَلَ مِنْهُمْ الْقِرَدَةَ وَالْخَنَازِيرَ وَعَبَدَ الطَّاغُوتَ أُولَئِكَ شَرٌّ مَّكَانًا وَأَضَلُّ عَن سَوَاءِ السَّبِيلِ"

60-"Say, "Shall I inform you of [what is] worse than that as penalty from Allah ? [It is that of] those whom Allah has cursed and with whom He became angry and **made of them apes and pigs** and slaves of Taghut. Those are worse in position and further astray from the sound way."

The phenomenon is called in islam religion "Al-Maskh" (Metamorphosis). It refers to the changing of a person's exterior appearance. The majority of the scholars are of the view that the Maskh mentioned in the Holy Quran and Ahadith "sayings" of the Prophet muhammad (pbuh) is physical and people are turned into monkeys and pigs. However, other interpreters like Abu Al-Hajjaj Mujahid interprets it as that these people were not changed physically into apes, monkeys etc. but that their hearts were transformed and disfigured. They retained their human form whilst their hearts and souls became deformed like that of apes, pigs and so on...(Tafsir Mujahid p.77-p.78 v.1).

For my physics science point of view, I think their Geedon did not interact for long duration of time T. Their soul particle remained in inactive vibrational motion for long time and was not in motion (Did not respond to god revelations). Then decayed by the decay interaction.

The Standard Model explains why some particles decay into other particles. In nuclear decay, an atomic nucleus can split into smaller nuclei. This makes sense: a bunch of protons and neutrons divide into smaller bunches of protons and neutrons. But the decay of a fundamental particle like Geedon can not mean splitting into its constituents, because "fundamental" means it has no constituents. Here, particle decay refers to the transformation of a fundamental particle (Geedon) into other fundamental particles (Ape or pig soul particle) . This type of decay is strange, because the end products are not pieces of the starting particle, but totally new particles.

Strong, electromagnetic, and weak interactions all cause particle decays. However, only weak interactions can cause the decay of fundamental particles like the Geedon.

Only weak interactions can change a fundamental particle into another type of particle. Physicists call particle types "flavors." The weak interaction can change a charm quark into a

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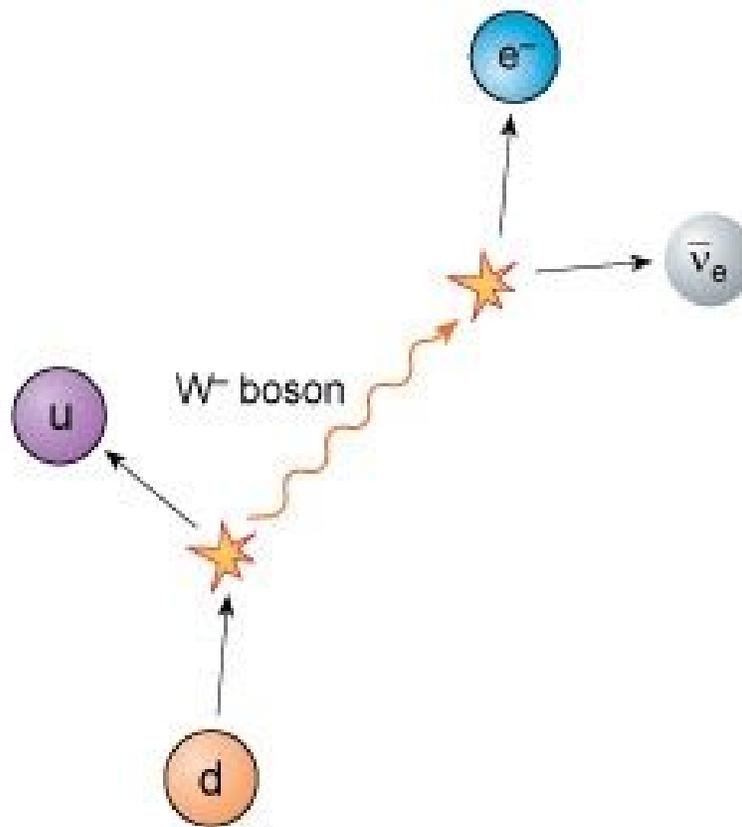
strange quark while emitting a virtual W boson (charm and strange are flavors). Only the weak interaction (via the W boson) can change flavor and allow the decay of a truly fundamental particle.

The W boson is known as the weak or more generally as the intermediate vector bosons. This elementary particle mediate the weak interaction; the respective symbols are W^+ , W^- . The W^\pm bosons have either a positive or negative electric charge of 1 elementary charge and are each other's antiparticles. This particle have a spin of 1. The W^\pm bosons have a magnetic moment. This particle is very short-lived, with a half-life of about 3×10^{-25} s. The W boson is carrier particle that mediate the weak nuclear force, much as the photon is the carrier particle for the electromagnetic force.

In fact, there are two types of W boson, one with negative electric charge, the W^- boson, and one with positive electric charge, the W^+ boson. The two (charged) W bosons each have a mass of about $80 \text{ GeV}/c^2$ whereas the (neutral) Z boson has a mass of about $90 \text{ GeV}/c^2$. In weak interactions, W and Z bosons interact with each other, as well as with all quarks and leptons. The Universe would be an impossible place without them.

As you know, the beta-minus decay of a nucleus occurs when a neutron turns into a proton, with the emission of an electron and an electron antineutrino. At most, a few MeV of energy are released in this process, corresponding to the difference in mass between the original nucleus and the resultant nucleus. At the quark level, the explanation is that a down quark, “d”, with a negative electric charge equal to one-third that of an electron is transformed into an up quark, “u”, with a positive electric charge equal to two-thirds that of a proton.

A W^- boson is emitted with one unit of negative electric charge, so conserving electric charge in the process. The mass energy of the W^- boson is about 80 GeV , so it cannot possibly emerge from the nucleus as there are only a few MeV of energy available. In accordance with the energy–time uncertainty principle it therefore rapidly decays to produce an electron and an electron antineutrino, setting the energy accounts straight.



A beta-minus decay process involves the creation and disappearance of a W^- boson. A down quark decays into a W^- boson and an up quark. The W^- boson subsequently decays into an electron and an electron antineutrino.

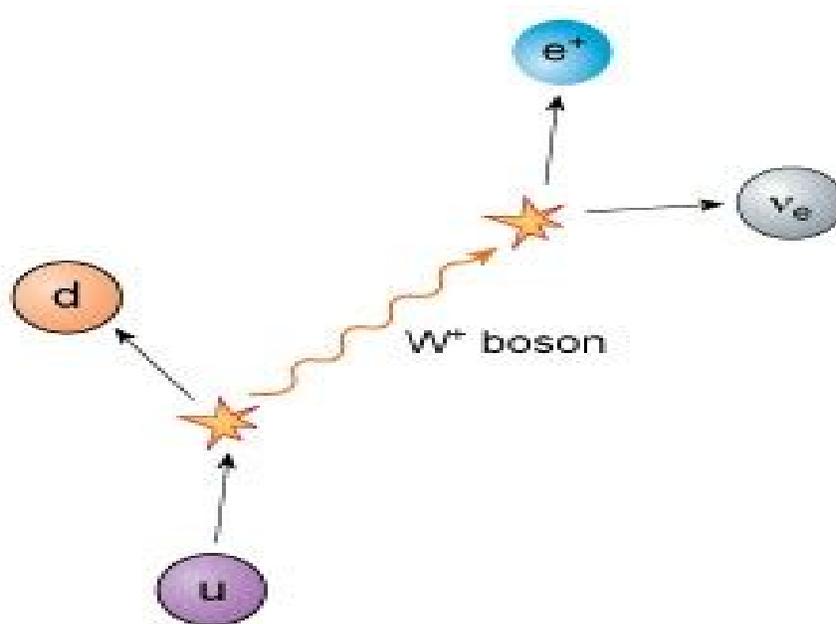
In weak interactions, the total number of quarks minus the total number of antiquarks is the same both before and after the interaction. The number of leptons is also conserved. In the example of beta-minus decay, there are no leptons initially present, and after the interaction there is one lepton (electron) and one antilepton (antineutrino) – a net result of zero again.

This is the explanation for why neutrinos and antineutrinos are produced in beta-decays. If they were not, then the rule of lepton conservation would be violated. Notice also that the production of a charged lepton is always accompanied by the corresponding flavour of neutrino. In all weak interactions:

- Electric charge is conserved;
- The number of quarks minus the number of antiquarks is conserved;
- The number of leptons minus the number of antileptons is conserved;
- Flavour changing of quarks or leptons is allowed, as long as these three rules are obeyed.

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Following the example of beta-minus decay above, we will show how beta-plus decay involves the creation and demise of a W^+ boson. We will check that electric charge is conserved, that the number of quarks minus the number of antiquarks is conserved, and that the number of leptons (neutrino) minus the number of antileptons (positron) is conserved.



Beta-plus decay involves the creation and disappearance of a W^+ boson. An up quark decays into a W^+ boson and a down quark. The W^+ boson subsequently decays into a positron and an electron neutrino.

The electric charge is initially that of an up quark ($+\frac{2}{3}e$). The products of the initial decay are a down quark with charge ($-\frac{1}{3}e$), and a W^+ boson with charge $+1e$, so charge is conserved here ($1e + -\frac{1}{3}e = +\frac{2}{3}e$). The W^+ boson subsequently decays into a positron with charge $+1e$ and a neutral electron neutrino $0e$, so charge is again conserved ($+1e + 0e = +1e$).

There is one quark present both before and after the decay, so the total number of quarks ($u+d$) minus the number of antiquarks is conserved and equal to one. There are no leptons present initially, but one lepton (the electron neutrino) and one antilepton (the positron) are present at the end. Therefore, the total number of leptons minus the number of antileptons is also conserved and equal to zero.

All W^\pm bosons have particle spin $s = 1$. The emission of a W^+ or W^- boson either raises or lowers the electric charge of the emitting particle by one unit, and also alters the spin by one unit.

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At the same time, the emission or absorption of a W^\pm boson can change the type of the particle – for example changing a strange quark into an up quark.

This exercise is going to help us understand how G (human soul particle) can in its inactive vibrational motion absorb a W^\pm boson and transforms from Geedon human soul fundamental particle to **A**pe and **P**ig soul particle.

In later chapter I will show how I calculated Geedon negative mass $-G$ and a negative mass can have either positive or negative electric charge. This negative mass-energy of G is $<$ The mass-energy of the W boson (80 GeV), so it cannot possibly emerge from the Geedon.

The only case possible is that Geedon absorbs a W boson but since a W boson is positive mass it must gravitationally repel from negative mass. The gravitational force interaction is different from weak force interaction, therefore a $-G$ can absorb W and change its identity to ape soul particle or pig soul particle. Even more, gravitation is by far the weakest of the four interactions at the atomic scale, where electromagnetic interactions dominate. The idea that the weakness of gravity can easily be demonstrated by suspending a pin using a simple magnet (such as a refrigerator magnet) is fundamentally flawed. The only reason the magnet is able to hold the pin against the gravitational pull of the entire Earth is due to its relative proximity. There is clearly a short distance of separation between magnet and pin where a breaking point is reached, and due to the large mass of Earth this distance is disappointingly small.

According to charge conservation: $(G_{\pm e}) + (W_{+1e}) = (A_{\pm e}) + (P_{\pm e})$.

Since Charged particles whose charges have the same sign repel one another, and particles whose charges have different signs attract, then G has to have negative charge G_{-1e} to attract W_{+1e} .

The equation becomes :

$$(G_{-e}) + (W_{+1e}) = (A_{\pm e}) + (P_{\pm e}).$$

B-1-b The kinetic energy

This energy "K" is due to the translational, rotational and vibrational motion gained by a force exerted on it.

the kinetic energy of the system can be divided into two parts:

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1- “translational kinetic energy” K_{trans} , kinetic energy associated with the motion of the center of mass.

2- And K_{rel} , the kinetic energy relative to the center of mass.

K_{rel} includes the kinetic energy associated with rotation of the object and the kinetic energy associated with vibration of the object.

Rotational: being alive

This motion is the rotation of the Geedon soul particle around the center of the body mass. A vibrating object has kinetic energy associated with vibration, even if its center of mass is at rest. But a rotating object has kinetic energy associated with rotation of the center of mass that is never at rest. Note that the rotational meant of Geefon is not the rotation around itself, but it is the rotation around the body’s center of mass. The Geedon has no rotation around itself but has a spin that I will detail later.

A common instance of rotational motion is that in which a rigid system is rotating on an axis. In this situation all the atoms in the system share the same “angular speed” in radians per second. However, they have different linear speeds in meters per second, depending on their distances from the axis, because an atom near the edge must travel farther in one revolution. Angular speed, normally denoted by ω (lowercase Greek omega), is a measure of how fast something is rotating. If an object makes one complete turn of 360 degrees (2π radians) in a time T , we say that its angular speed is $\omega = 2\pi/T$ radians per second. The time T is called the period. The formula of rotational energy is :

$$KE_{rotational} = \frac{1}{2} I \omega^2$$

$KE_{rotational} = \frac{1}{2} I \omega^2$

$KE_{linear} = \frac{1}{2} m v^2$

Linear and rotational kinetic energy have the same form.

ω angular velocity
 I rotational inertia (moment of inertia)
 v linear velocity
 m translational inertia (mass)

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I have found some presumptions where to locate approximately the Geedon in the body. These two verses show that it is located close to center of mass of the body before death. But no data about the speed of rotation around the body's center of mass.

Verse 83 surah Al-Waqi'ah

"فَلَوْلَا إِذَا بَلَغَتِ الْحُلُقُومَ"

83-"Then why, when the soul at death reaches the **throat**"

Then verse 26 surah Al-Qiyamah

"كَلَّا إِذَا بَلَغَتِ النَّرَاقِيَّ"

26-"No! When the soul has reached the **collar bones**"

According to these two verses the soul G in death experience makes its way from down body to upper body to collar bones then to throat. During life the G must be below collar bones. It can be in the chest or below. We can postulate that is close to center of mass of the body. A person's center of mass is slightly below his/her belly button, which is nearly the geometric center of a person. Males and females have different centers of mass- females' centers of mass are lower than those of males. I will show later also by using the wave function that it is uncertain to determine Geedon location in the body and it may be occupying the whole body.

There is a perplex to determine Geedon location within the body. If it is spread all over the body, then if someone loses a part of his body, part of the Geedon must be lost and person dies.

If Geedon is located around center of body's center of mass, then if a person has his head dissociated from his body, he must stay alive because Geedon is far from the head.

I can say that the Geedon fundamental particle is within each atom of the body and all of them are constantly moving from atom to atom in high speed and when they reach the body's center of mass they orbit it, then they leave the orbit to spread in the extreme parts of the body through atoms.

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Translational: actions during being alive

In physics and mathematics, the word “translate” means “move from one location to another.”. The translational motion of a macroscopic object is described by \vec{v}_{cm} , the velocity of the object’s center of mass. We use the term “translate” here in order to distinguish between translational motion, in which the center of mass of a system moves from one location to another, and other kinds of motion such as rotation and vibration, in which parts of a system move relative to the center of mass.

Such a motion I pictured in our daily life by going to school, having education, playing sports, doing wars, fighting virus, building towns, eating, sleeping...etc

The formula for kinetic energy in classical physics is: $\frac{1}{2} m \times v^2$

Vibrational: Obedience to life doner

Vibrational Energy is one form of energy that is internal to a system, both elastic and kinetic. Consider a Geedon particle that has no translational motion (that is, the center of mass is stationary), but is vibrating, with elastic energy and kinetic energy continually interchanging, but with the sum of the two energies remaining constant, like the mass and spring.

VIBRATIONAL ENERGY: $E_{vib} = K_{vib} + U_{spring}$

This motion is only related to believers, the servants of god. This motion can be in single Geedon particle system (believer lonely in mountain) or in multiparticle system (society of believers or group of believers living in non believers society like the seven sleepers story).

So in the end the total energy of the Geedon becomes :

$$E_{particle\ G} = mc^2 + (K_{rot} + K_{vib} + K_{trans})$$

The verse 142 surah Al-a'raf expresses the idea of single particle Geedon (Out of interacting with other human's Geedon within a multiparticle system) having kinetic energy of vibrational motion:

142-"وَوَاعَدْنَا مُوسَىٰ ثَلَاثِينَ لَيْلَةً وَأَتَمَمْنَاهَا بِعَشْرِ فَتَمَّ مِيقَاتُ رَبِّهِ أَرْبَعِينَ لَيْلَةً وَقَالَ مُوسَىٰ لِأَخِيهِ هَارُونَ اخْلُفْنِي فِي قَوْمِي وَأَصْلِحْ وَلَا تَتَّبِعْ سَبِيلَ الْمُفْسِدِينَ"

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143-"وَلَمَّا جَاءَ مُوسَىٰ لِمِيقَاتِنَا وَكَلَّمَهُ رَبُّهُ قَالَ رَبِّ أَرِنِي أَنظُرْ إِلَيْكَ قَالَ لَن نَرَايَ وَلَكِن انظُرْ إِلَى الْجَبَلِ فَإِنِ اسْتَقَرَّ مَكَانَهُ فَسَوْفَ تَرَانِي فَلَمَّا تَجَلَّىٰ رَبُّهُ لِلْجَبَلِ جَعَلَهُ دَكًّا وَخَرَّ مُوسَىٰ صَعِقًا فَلَمَّا أَفَاقَ قَالَ سُبْحَانَكَ تُبْتُ إِلَيْكَ وَأَنَا أَوَّلُ الْمُؤْمِنِينَ"

144- "قَالَ يَا مُوسَىٰ إِنِّي اصْطَفَيْتُكَ عَلَى النَّاسِ بِرِسَالَاتِي وَبِكَلَامِي فَخُذْ مَا آتَيْتُكَ وَكُن مِّنَ الشَّاكِرِينَ"

145-"وَكَتَبْنَا لَهُ فِي الْأَلْوَابِ مِن كُلِّ شَيْءٍ مَّوْعِظَةً وَتَفْصِيلًا لِّكُلِّ شَيْءٍ فَخُذْهَا بِقُوَّةٍ وَأْمُرْ قَوْمَكَ يَأْخُذُوا بِأَحْسَنِهَا سَأُرِيكُمْ دَارَ الْفَاسِقِينَ."

142-"And We made an appointment with Moses for thirty nights and perfected them by [the addition of] ten; so the term of his Lord was completed as forty nights. And Moses said to his brother Aaron, "Take my place among my people, do right [by them], and do not follow the way of the corrupters."

143- "And when Moses arrived at Our appointed time and his Lord spoke to him, he said, "My Lord, show me [Yourself] that I may look at You." [Allah] said, "You will not see Me, but look at the mountain; if it should remain in place, then you will see Me." But when his Lord appeared to the mountain, He rendered it level, and Moses fell unconscious. And when he awoke, he said, "Exalted are You! I have repented to You, and I am the first of the believers."

144-" [Allah] said, "O Moses, I have chosen you over the people with My messages and My words [to you]. So take what I have given you and be among the grateful."

145- "And We wrote for him on the tablets [something] of all things - instruction and explanation for all things, [saying], "Take them with determination and order your people to take the best of it. I will show you the home of the defiantly disobedient"

This verse give us the threshold of the maximum energy that a Geedon can have in continuous vibrational motion.

The prophet moses was appointed for 30 nights of revelation "high energy transfer". These 30 days are 3 times 10. I can deduce that the prophet was subjected to the highest amount of energy transfer which is 10 continuous nights. This high energy is accompanied by high vibrational motion speed which is the maximum energy can the prophet moses receive continuously. Then I postulate that the transfer had to stop for a moment "T" every 10 nights then had to be reactivated again to continue for an additional 10 nights of high energy transfer.

The total 40 nights of energy transfer was is discreet manner, 10+10+10 +10 = 40.

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Note this use of number 10 in energy transfer in quran. I will deduce another logic interpretation later.

B-2 -As a particle in a system

A quantum system is a portion of the whole Universe (environment or physical world) which is taken under consideration to make analysis or to study for quantum mechanics pertaining to the wave-particle duality in that system. Everything outside this system (i.e. environment) is studied only to observe its effects on the system. A quantum system involves the wave function and its constituents, such as the momentum and wavelength of the wave for which wave function is being defined.

The Geedon of person "A" can interact with a Geedon of person "B" and that's what happened between the prophet moses and the man who he worked for during 8 years plus 2 years (10 years, again number 10). That interaction occurred in their system and an energy was transferred between them.

But also a single Geedon is rotating around the barycenter "center of mass" of the body. This is also a system where energy can exist.

B-2-a Potential energy of Geedon

A single, non-interacting particle cannot possess potential energy. Potential energy is a property of a system of interacting particles and/or fields. A minimum of two entities is required. It is probably more useful to think of potential energy as interaction energy.

The concept of potential energy (or interaction energy) follows nicely from the concept of system. Suppose you have several interacting particles and/or fields (the Geedons of many persons in an electromagnetic field for example) in your system. Further, suppose there are other charged particles outside your system in the surroundings. The system's potential energy is merely a way of accounting for the mutual pairwise interactions within the system. More precisely, the change in the system's potential energy is the opposite of the work done by these internal interactions.

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Hence, the potential energy is the energy in a soul " Geedon particle" due to its position in the chosen system. This gives every person Geedon a potential energy due to its position in the chosen system.

There are some general properties of potential energy that are true not only for gravitational interactions but also for other kinds of interactions as well, including electric interaction:

- Potential energy depends on the separation between pairs of particles, not on their individual positions. As with gravitational interactions, this depends on the reciprocity of gravitational and electric forces.
- Potential energy must approach zero as the separation between particles becomes very large. (a person in a mountain has 0 potential energy to interact with his society but still has potential energy to interact with angels and devils)
- If an interaction is attractive, potential energy becomes negative as the distance between particles decreases, as in the case of gravitational interactions.
- If an interaction is repulsive, potential energy becomes positive as the distance between particles decreases.

That is, when prophet moses served the man for 10 years he formed system with him. Each Geedon was attracted to the other and distance decreased between them which made their Geedon potential energies negative within the system.

This potential energy is replaced by the kinetic energy gained by the interaction. The same thing happened to prophet moses when he stayed on the mountain for 30 nights then another 10 nights added to make 40 nights of interaction between the Geedon and the photon "Angel Gabriel" who taught him the 10 commandments during that time.

The next verse about potential and interaction energy is verse 13 surah hud :

" أَمْ يَقُولُونَ افْتَرَاهُ قُلْ فَأْتُوا بِعَشْرِ سُوْرٍ مِّثْلِهِ مُفْتَرِيَاتٍ وَادْعُوا مَنِ اسْتَضَعْتُمْ مِّنْ دُونِ اللَّهِ إِن كُنْتُمْ صَادِقِينَ "

13-"Or do they say, "He invented it"? Say, "Then **bring ten surahs** like it that have been invented and call upon [**for assistance**] whomever **you can** besides Allah, if you should be truthful."

Here the meaning again goes to kinetic energy. God challenged the unbelievers to invent 10 surahs of quran if they **could "Potential energy"** and he challenged them **to find outer assistance** force to do work that transfers outer energy to them to get **"kinetic energy"**.

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Here the challenge is for unbelievers who has no vibrational energy to invente 10 surahs. And their luck of potential energy to interact with believers because they are living in unbelievers multiparticle system. Their interaction in unbelievers system can only create translational motion but not vibrational.

In the end that number 10 is greatly linked to maximum energy transfer in Geedon-photon and in Geedon-Geedon interactions. This will be explained more.

B-2-b Interaction energy

Two persons Geedons in a system can exert on each other internal forces like prophet moses that served the man for 10 years to marry his daughter. That internal interaction and mutual forces created energy in prophet moses by having an excellent wife and created energy in the served man Geedon to have a prophet as a son in law. Another external particle as photon "Angel" from out of the system "environment-surrounding" can exert a force on the system and create energy E_{sys} .

Given these aspects of particle energy, there are two rather different ways to think about the energy of a multiparticle system:

- 1- The energy of a multiparticle system consists of the individual particle energies of the particles that make up the system, plus their pairwise interaction energies.
- 2- A multiparticle system itself has energy, rather like a particle, and if the system is at rest (its center of mass is not moving; its net momentum is zero) its energy E is simply Mc^2 , where M is the mass of the system. Here it means that a society or community of multiple Geedons have also a collective energy.

The powerful capability of energy analyses is that they can easily predict whether some process can occur or not. For example, if there is insufficient energy, the rocket can't escape from the planet, or the atom cannot be ionized, or the biochemical reaction cannot proceed, or a proton can't decay into a neutron. likewise, if there no enough minimum energy for the Geedon, it can not vibrate and create a field of interaction with other Geedons. Any person who fasted 3 days in hajj and does not add 7 more days when back home can not interact with another Geedon in the system "Society" to transfer his energy to other persons. Again here number 10 showed up as a minimum work that has to be done by a single Geedon to vibrate and create a field that make his energy TRANSFERABLE to other Geedons forming the society with him. To be an influential person in your society you have to do work vibrational motion equal to 10 Joules.

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Islam is not a religion of individuality, the individual particle has no value until it interacts with others and create a field between all particles forming the society "system in physics".

The verse 196 surah Al-baqara is about multiparticle Geedons system interaction:

"وَأَتِمُّوا الْحَجَّ وَالْعُمْرَةَ لِلَّهِ فَإِنْ أُخْصِرْتُمْ فَمَا اسْتَيْسَرَ مِنَ الْهَدْيِ وَلَا تَحْلِقُوا رُءُوسَكُمْ حَتَّىٰ يَبْلُغَ الْهَدْيُ مَحَلَّهُ فَمَنْ كَانَ مِنْكُمْ مَّرِيضًا أَوْ بِهِ أَذًى مِّن رَّأْسِهِ فَفِدْيَةٌ مِّن صِيَامٍ أَوْ صَدَقَةٍ أَوْ نُسُكٍ فَإِذَا أَمِنْتُمْ فَمَنْ تَمَتَّعَ بِالْعُمْرَةِ إِلَى الْحَجِّ فَمَا اسْتَيْسَرَ مِنَ الْهَدْيِ فَمَنْ لَمْ يَجِدْ فَصِيَامُ ثَلَاثَةِ أَيَّامٍ فِي الْحَجِّ وَسَبْعَةٍ إِذَا رَجَعْتُمْ تِلْكَ عَشْرَةٌ كَامِلَةٌ ذَلِكَ لِمَنْ لَمْ يَكُنْ أَهْلَهُ حَاضِرِي الْمَسْجِدِ الْحَرَامِ وَاتَّقُوا اللَّهَ وَاعْلَمُوا أَنَّ اللَّهَ شَدِيدُ الْعِقَابِ"

196-"And complete the Hajj and 'umrah for Allah . But if you are prevented, then [offer] what can be obtained with ease of sacrificial animals. And do not shave your heads until the sacrificial animal has reached its place of slaughter. And whoever among you is ill or has an ailment of the head [making shaving necessary must offer] a ransom of fasting [three days] or charity or sacrifice. And when you are secure, then whoever performs 'umrah [during the Hajj months] followed by Hajj [offers] what can be obtained with ease of sacrificial animals. And whoever cannot find [or afford such an animal] - **then a fast of three days during Hajj and of seven when you have returned [home]. Those are ten complete [days].** This is for those whose family is not in the area of al-Masjid al-Haram. And fear Allah and know that Allah is severe in penalty."

This noble verse is about the obedience of fasting on two duration in two different position.

Think about it this way:

1- Geedon vibrational motion (fasting) in position "A"(Hajj) in time "T1" (3 days);

- Potential energy is the energy in a body " Geedon particle" due to its position in the system of Hajj= positive energy because distance between particles are decreased.
- kinetic energy is the energy in a body "Geedon particle" due to its motion caused by force exerted on it by interaction with other Geedons in the Hajj. = **in position "A"(Hajj) the motion is fasting in time "T1" (3 days);**

2- Geedon vibrational motion (fasting) in position "B"(Home) in time "T2" (7 days);

- Potential energy is the energy in a body " Geedon particle" due to its position in the system of Hajj = Negative energy because distance between whorshippers' particles are increased after leaving hajj.

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- Rest energy in home system is the same as in hajj.
- Since potential energy between hajj performers is weaker in position "B" (home) , the Geedon of the person coming back from hajj needs more force exerted on him to fast another 7 days.
- kinetic energy is the energy in a body "Geedon particle" due to its vibrational motion caused by force exerted on it. = in position "B"(Home) the motion is fasting during time "T2" (7 days);

So the change of position from hajj to home decreased the potential energy of fasting, that's why God order who returned from hajj to fast " Do more vibrational motion" for 7 more days because the surrounding environment at home is less encouraging than in hajj.

It was required to complete a total of 10 because the work has to total 10 joules in order to be influential person in his society.

Also the verse 27 surah Al-Qasas:

"قَالَ إِنِّي أُرِيدُ أَنْ أَنْكِحَكَ إِحْدَى ابْنَتَيَّ هَاتَيْنِ عَلَى أَنْ تَأْجُرَنِي ثَمَانِي حَجَّاجٍ فَإِنِ أَتَمَمْتَ عَشْرًا فَمِنْ عِنْدِكَ وَمَا أُرِيدُ أَنْ أَمُشِقَ عَلَيْكَ سِتْرِي إِنِ شَاءَ اللَّهُ مِنَ الصَّالِحِينَ"

27- He said, "Indeed, I wish to wed you one of these, my two daughters, on [the condition] that you serve me for eight years; but if you complete ten, it will be [as a favor] from you. And I do not wish to put you in difficulty. You will find me, if Allah wills, from among the righteous."

Here prophet moses (pbuh) was asked by another good very old man to serve him as shepherd for 8 years as a condition to wed him his daughter. This work will transfer energy from prophet moses to the old man and his family.

When a force acts upon an object to cause a displacement of the object, it is said that work was done upon the object. There are three key ingredients to work : force, displacement, and cause. In order for a force to qualify as having done work on an object, there must be a displacement and the force must cause the displacement. There are several good examples of work that can be observed in everyday life - a horse pulling a plow through the field, a father pushing a grocery cart down the aisle of a grocery store, a freshman lifting a backpack full of books upon her shoulder, a weightlifter lifting a barbell above his head, an Olympian launching the shot-put, etc. In each case described here there is a force exerted upon an object to cause that object to be displaced.

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In our case the Geedon of the prophet moses (pbuh) is the cause of the force exerted (vibrating wave that creates an excited positive field) on the Geedon of the old good man who had potential energy (due to its position and interaction with moses Geedon) to make it move and vibrate more (obey more).

To calculate the work, we have to get the product of force Geedon wave and displacement. A force is said to do work if, when acting, there is a movement of the point of application in the direction of the force.

The force is generated by prophet moses.

Quantity 10 in these three previous examples shows that the minimum quantity of work to have a continuous vibrational kinetic energy (obedience) is 10 joules. The example here is also of translational energy since the prophet moses got married for life. Marriage can have the duality aspect of translational and vibrational energy in the same time. Marriage is act of life "translational motion" and also act of obedience "vibrational motion" because it preserve from fornication.

Another verse of interaction energy is the verse 89 surah Al-ma'idah:

"لَا يُؤَاذِنُكُمُ اللَّهُ بِاللَّغْوِ فِي أَيْمَانِكُمْ وَلَئِنْ يُوَاذِنَكُمْ بِمَا عَقَدْتُمُ الْإِيمَانَ فَكَفَّارَتُهُ إِطْعَامُ عَشْرَةِ مَسَاكِينَ مِنْ أَوْسَطِ مَا تُطْعَمُونَ أَهْلِيكُمْ أَوْ كِسْوَتُهُمْ أَوْ تَحْرِيرُ رَقَبَةٍ فَمَنْ لَمْ يَجِدْ فَصِيَامُ ثَلَاثَةِ أَيَّامٍ ذَلِكَ كَفَّارَةُ أَيْمَانِكُمْ إِذَا حَلَفْتُمْ وَاحْفَظُوا أَيْمَانَكُمْ كَذَلِكَ يُبَيِّنُ اللَّهُ لَكُمْ آيَاتِهِ لَعَلَّكُمْ تَشْكُرُونَ"

89-"Allah will not impose blame upon you for what is meaningless in your oaths, but He will impose blame upon you for [breaking] what you intended of oaths. So its expiation is the **feeding of ten needy people** from the average of that which you feed your [own] families or clothing them or the freeing of a slave. But whoever cannot find [or afford it] - then a fast of three days [is required]. That is the expiation for oaths when you have sworn. But guard your oaths. Thus does Allah make clear to you His verses that you may be grateful."

Here the order of feeding 10 persons came after committing a wrongdoing (breaking what you intended of oaths).

41

The wrongdoing is a rest (No vibrational motion) of the Geedon soul particle in position "B" in empty negative space and that Geedon has potential energy but needs to be transformed to kinetic by moving it to position "A" in space where there would be a vibrational field that generate kinetic energy in it and makes him vibrating in obedience.

Here the order was to feed 10 persons to counterbalance the lack of energy quickly. Again number 10 related to minimum of positive work needed to correct a negative work already done (break of oath).

B-3- Meaning of number 10

Two other verses will explain why number 10 in all the energy transfer examples cited above is always required. The number 10 was mentioned with different units : 10 days, 10 surahs, 10 needy persons...etc. But I will unify all these units in one physic unit that make sense.

The verse is 103 surah Taha:

"يَوْمَ يُنْفَخُ فِي الصُّورِ وَنَحْشُرُ الْمُجْرِمِينَ يَوْمَئِذٍ زُرْقًا (102) يَخْفَتُونَ بَيْنَهُمْ إِنْ لَبِثْتُمْ إِلَّا عَشْرًا (103) نَحْنُ أَعْلَمُ بِمَا يَقُولُونَ إِذْ يَقُولُ أَمْتَلُهُمْ طَرِيقَةً إِنْ لَبِثْتُمْ إِلَّا يَوْمًا (104))

102-"The Day the Horn will be blown. And We will gather the criminals, that Day, blue-eyed."

103-"They will murmur among themselves, You remained not but ten [days in the world]."

104-"We are most knowing of what they say when the best of them in manner will say, "You remained not but one day."

Here the verse is about unbelievers who they think they remained 10 days on earth. The 10 days is the duration they think their Geedon stayed in rotational and translational motion. The motion here I think, is the natural motion of rotation of the Geedon around the center of the mass of the body (the body is the space where Geedon is located), this motion is the sign of being alive. Another motions which are translational motion related to the human achievements or actions during being alive. These two kind of motion are felt by unbelievers to be 10 days. But god equal it to 1 day of Geedon motion as 1/10 which is 0,1 or 10% of the total required Geedon motions $10/10 = (1)$

The 10 days is a unit used by God to make allusion to the percentage of 100%. This 100% has to be distributed between all kind of motions in the following portions :

42

I said that a Geedon (person) has to do 10 joules work to be able to transfer vibrational motion energy (obedience) to other members (geedons) of the society. Here in the verse unbelievers did no work at all

since they don't believe and since the vibration is due to the belief. You may say that during the history there was no human been completely without religious belief. My answer is that the existence of small amount of belief is mentioned in the verse 33 surah Al-an'am:

"قَدْ نَعْلَمُ إِنَّهُ لَيَحْزُنُكَ الَّذِي يَقُولُونَ فَإِنَّهُمْ لَا يُكَذِّبُونَكَ وَلَكِنَّ الظَّالِمِينَ بِآيَاتِ اللَّهِ يَجْحَدُونَ" (33)

33- "We know that you, [O Muhammad], are saddened by what they say. And indeed, they do not call you untruthful, but it is the verses of Allah that the wrongdoers reject."

The belief in God always existed but in different forms. all forms out of islam and the previous monotheistic religions had no vibrational motion.

So I think that the rule is:

- $K_{rot} + K_{tran} = 1 \div 10 = 0,1 = 10\%$
- $K_{vib} = 9 \div 10 = 0,9 = 90\%$
- Total KE = 0,1 (10%) + 0,9 (90%) = 1 (100%)

Hence, the idea is that the minimum required is that your balance of live has to be 1% of your soul motion is to be alive (rotation: essential activities for life as eat, marry work, sleep...) and achieve (translation: technology, invention, building, civilization...) on earth. And 90% is to obey the God.

Remember that these fields interfere with each other and difficult is to separate them. But have in mind that the 90% can be understood as that : A **minimum** of 90% of all your motions have to be colored by god obedience (vibration motion). Exp: you eat as god required, you marry, you invent medications, robates, weapons, you sleep as god required. The minimum is 90% of your motions had to be colored by obedience according to the verse. The unbeliever's motions are 100% for rotational and translational but they have no vibrational motion and consequently no obedience.

The unbelievers' distribution is:

- $K_{rot} + K_{tran} = 10 \div 10 = 1 = 100\%$
- $K_{vib} = 0 \div 10 = 0 = 0\%$
- Total KE = 1 (100%) + 0 (0%) = 1 (100%)

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I can deduce here the number 10 is the maximum energy quantity that a human soul particle "G" can have. And that's the standard model of energy portion distribution. **I can postulate that number 10 is the maximum quantity of joules that Geedon can continuously transfer out or transfer in during all motions combined.**

The joule (symbol: J) is a derived unit of energy in the International System of Units. It is equal to the energy transferred to (or work done on) an object or particle as Geedon when a force of one newton acts on that object in the direction of the force's motion through a distance of one metre (1 newton metre or N·m). It is also the energy dissipated as heat when an electric current of one ampere passes through a resistance of one ohm for one second.

The verses 1-3 surah Al-fajr:

"وَالْفَجْرِ (1) وَلَيَالٍ عَشْرٍ (2) وَالشَّفْعِ وَالْوَتْرِ (3)"

1- "By the dawn"

2- "And [by] **ten nights**"

3- "And [by] the even [number] and the odd"

In this verse 10 is even number

In mathematics, parity is the property of an integer's inclusion in one of two categories: even or odd. An integer is even if it is divisible by 2 and odd if it is not divisible by 2. For example, 10 or 30 or 40 are even because there is no remainder when dividing them by 2. That's why prophet mooses was appointed for in the mountain for 40 days with no remainder.

The explanation of mentioning number 10 in all these verses is that number 10 is the maximum quantity of the energy that can be transferred continuously from Geedon and to it during all motions combined. I postulate that energy cannot be transferred in odd number "J" as 9 or 7 because these number leave a remainder if divided by 2, that remainder is a "lost energy". The energy transferred in and out of G has to be complete with no loss.

The number ten was mentioned in prophet muhammad's (pbuh) many hadiths and the following proves that 10 is a symbol of energy transfer.

1. `A`ishah (May Allah be pleased with her) reported:

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When the last ten nights (of Ramadan) would begin, the Messenger of Allah (peace and blessings be upon him) would keep awake at night (for prayer and devotion), awaken his family and prepare himself to be **more diligent** in worship. (Al-Bukhari and Muslim).

2. `A`ishah also reported:

The Messenger of Allah (peace and blessings be upon him) used to strive more in worship during Ramadan than he strove in any other time of the year; **and he would devote himself more (in the worship of Allah) in the last ten nights of Ramadan** than he strove in earlier part of the month. (Muslim).

3. `A`ishah (May Allah be pleased with her) reported:

The Prophet (peace and blessings be upon him) used **to engage himself in I`tikaf (seclusion for worship in the mosque) during the last ten nights of Ramadan** till he passed away; his wives followed this practice after him. (Al-Bukhari and Muslim).

The last ten days of Ramadan carry with them very special circumstances and specific benefits for Muslims, all of which are essential for our journey of pleasing Allah. Not only do one of the odd days in the last ten days hold **the Night of Power** (Laylat ul Qadr), the most auspicious night in the year, but they also give us the opportunity to benefit from replicating the specific activities that can allow us to be better, more responsible, and more aware Muslims.

One of the Sunnahs of the Holy Prophet (PBUH) was to sit in Etikaf during the last month. For men, this means residing in a mosque for the last ten days, in which the sole objective is to engage in the worship of Allah in solitude, free from the confines, constraints, and demands of the material world. For women, this means residing in a predetermined place within the confines of their house, with the objective being the same. Etikaf is one of the only instances where Muslims are asked to spend time in prayer disconnected from the material world, and is hence a brilliant opportunity for anyone wishing to amend broken connections and have energy transferred to his Geedon.

Generally, the last ten days are also seen as times when Muslims try to avoid worldly affairs, and spend more time in prayer. Know that Allah's doors are always open, and even if we have spent the previous 20 days of Ramadan away from His energy, He is ever-ready to bestow upon us His most prized energy if we make efforts during the last 10 days.

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$$271990740740 = \frac{-0.00000000000000002026200690450524}{\Delta m}$$

$$\Delta m = \frac{-0.00000000000000002026200690450524}{271990740740}$$

$$\Delta m = -0.000000000000000000000000074495$$

Now to solve for mass of geedon at speed of 271990740740 m/s, we need to subtract Δm from the mass in max speed :

$$f(m) = M' - \Delta m$$

$$0.00000000000000000000000006758678 - 0.000000000000000000000000074495 = 0.000000000000000000000000067512285$$

In different scientific notation we write:

$$(6.75867 \times 10^{-23}) - (7.44 \times 10^{-26}) = (6.75122 \times 10^{-23} \text{ kg})$$

So Geedon mass at its half maximum speed 271990740740 m/s is $6.75122 \times 10^{-23} \text{ kg}$

Let's now calculate Geedon mass at the speed close to its max speed , example 540000000000 m/s.

$$v = \frac{M' \times -c}{\Delta m}$$

$$v = 540000000000$$

Let's plug the numbers:

$$540000000000 = (0.00000000000000000000000006758678 \times (-299\,792\,458 \div \Delta m))$$

$$\text{So } 540000000000 = \frac{-0.00000000000000002026200690450524}{\Delta m}$$

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It is very clear that Geedon's mass increases before it reaches the speed of light in fast rate. Then at speed of light mass becomes 0. After speed of light the mass increase rate is slower.

Hypothetically, matter can have negative mass in the same sense that an electric charge can be either negative or positive. People rarely think in these terms, and our everyday world sees only the positive aspects Second Law of Motion, in which a force is equal to the mass of an object times its acceleration, or $F=ma$. In other words, if you push an object, it will accelerate in the direction you're pushing it. Mass will accelerate in the direction of the force.

On contrast, if you push negative mass, unlike every physical object in the world we know, it doesn't accelerate in the direction it was pushed, it accelerates backwards.

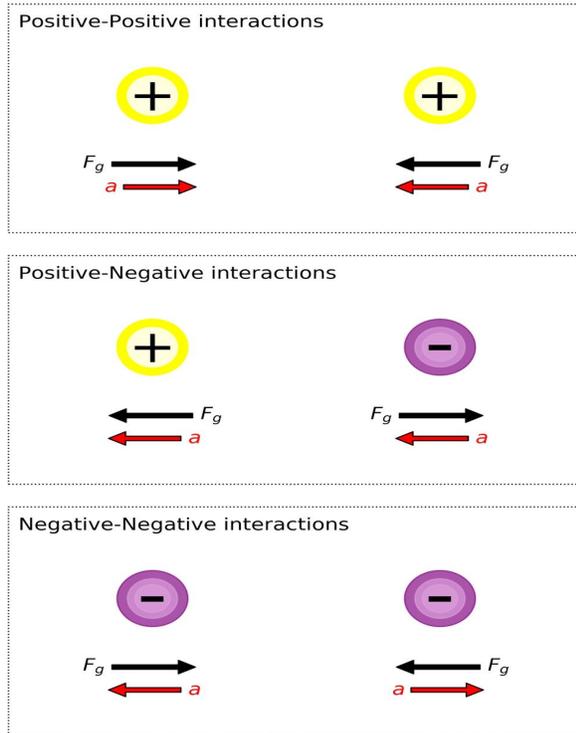
The idea that matter could come towards you when you push it away or that it could rise freely against the pull of the Earth certainly sounds abnormal. But there are reasons embedded in physics' most important equations why we should take the idea of negative mass seriously.

Within some theories, we can analyze the possibility of negative-mass matter, which would act as a source of repulsive gravitational fields. Various investigations, including my own work on Geedon particle mass, suggest that as strange as they sound, such objects might exist in our universe on quantum level also.

Assuming that all three concepts of mass are equivalent according to the equivalence principle, the gravitational interactions between masses of arbitrary sign can be explored, based on the Newtonian approximation of the Einstein field equations.

This figure will show you how interactions could be between negative (-) and positive (+) mass :

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This schematic figure is about the gravitational interactions between positive (in yellow) and negative (in purple) mass particles. Black vectors indicate the direction of the gravitational force, $F_g = -GM_1M_2/r^2$, that is experienced by a given particle. Red vectors indicate the direction of the acceleration, $a = F_g/M$, that is experienced by a given particle when the weak equivalence principle holds.

There are three possible cases:

- 1 - Top row: the familiar positive–positive mass interaction, in which both particles accelerate towards one another via gravitational attraction;
- 2- Middle row: the positive–negative mass interaction, in which both particles accelerate in the same direction – pointing from the negative mass towards the positive mass. This case is sometimes referred to as "runaway motion";

This is the case when Geedon is subject to positive mass exerting force on it to pull it towards in an infinite motion to follow the positive mass direction. This runaway movement is a translational motion. If we suppose that angels "Photon positive mass" who brought revelation to humans "Geedon negative mass" exert on it a gravitational force that generates a translational

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motion added up to the Geedon own rotational motion, then we can understand that runaway translational motion as direction "guidance" of angels to humans. This guidance will create also an electromagnetic field between the Geedon electric negative charge and the photon electric positive charge to make the Geedon vibrate. The vibrational motion as interpreted previously is all obedience action of humans.

This is not a misused of quantum mechanics or a quantum quackery. Am not using a lot of scientific-sounding terms or words-salad to make the quran sounds a book of science. The use of mathematic and physics to understand the quran is neutral trial to look on the quran with scientific microscope. My interpretation might be false and may be true. Mistakes also, make you understand better.

If both masses have equal magnitude, then the particles undergo a process of runaway motion. When the net mass of the particle pair is equal to zero. Consequently, the pair can eventually accelerate to a speed $>$ to the speed of light, c . Due to the absence of mass.

In the alternative cases where both masses have unequal magnitudes, then either the positive mass "angels bringing revelation" or the negative mass "Geedon soul particle" may outpace the other – resulting in either a **collision or the end of the interaction**.

I already calculated the magnitude of negative mass of Geedon which does not have the same magnitude \neq of slightly positive mass of photon. The interaction in case of **believer Geedon is collision** with photon then runaway motion. The interaction with **unbeliever Geedon is end of the interaction** and unbeliever never admit revelation from angels sent by God.

We already said that runaway motion occurs between two particles of equal magnitude. The collision between photon slightly positive mass and Geedon negative mass (believer) generates a transfer of energy between them and since energy is mass ($E=mc^2$), there would be mass increase in Geedon from negative towards zero and a decrease in photon mass from slightly positive towards completely zero. The zero net mass of the pair particle is a form of equal mass magnitude between the two particle that will make them move faster than light. And that is what was expressed in the verse 4 surah Al-Ma'aarij:

The maximum speed in this verse was calculated in previous paragraph to be 543981481480 m/s

"تَعْرُجُ الْمَلَائِكَةُ وَالرُّوحُ إِلَيْهِ فِي يَوْمٍ كَانَ مِقْدَارُهُ خَمْسِينَ أَلْفَ سَنَةٍ"

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"The angels and the Spirit will ascend to Him during a Day the extent of which is fifty thousand years."

A scientist asked this question : Is it possible that a negative mass particle travelling backwards in time may be measured as having a positive mass?

Well I think that I have answered to his question by **YES** by proving from the noble quran that his own Geedon particle has negative mass and if the photon revelation positive mass exert a force on him by collision, he will be able to move faster than light backwards in time. On one condition he has to be a believer in God. I calculated before how geedon mass increases from negative mass to positive mass during the travel faster than light.

3- bottom row: the negative–negative mass interaction, in which both particles accelerate away from one another via gravitational repulsion. The Geedon negative electrostatic force would be attractive for like charges and that is why humans are attracted to live in society with each other. The photon "angels" has neutral electric charge, then it does not electrically repel from human Geedon and they are gravitationally governed by runaway motion.

Energy comes in many different forms. Some of the more familiar forms include:

mechanical energy: the moving force behind machinery.

chemical energy: derived from anything that undergoes chemical reactions to provide us with heat or sustenance, such as wood, coal, oil, food, etc.

muscular energy: derived from the chemical energy of the food we eat.

thermal energy: converted from heat, such as the steam in a steam engine or heat of exploding gases in a combustion engine.

light energy: some organisms, mostly plants, derive their energy from the sun in a process called photosynthesis.

electrical energy: an electric charge associated with power, magnets, and electrical currents.

nuclear energy: energy released by atoms and converted to heat, then to electrical energy.

Arguably, the most important law to keep in mind when studying the transfer of energy is the Law of Conservation of Energy. Simply put, there is a finite amount of energy in the world, so none can ever be created nor destroyed. This means that when something loses energy, it cannot truly disappear; instead, it gets transferred to something else. This is what happen in photon "angel" and "Geedon" collision, energy transfer and mass conversion.

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However, something to keep in mind is that no transfer of energy is 100 percent efficient. Some energy will always be lost as heat and sound, and that explain why some human souls particle they have the same religious education as others but they do vibrational motion "obedience" less than the others.

Energy drives every form of movement. Walking, running, and biking use chemical energy – derived from the food we eat – to fuel our muscles and keep us moving. Trains use either electrical energy, or a combination of thermal and chemical energy, generated from fossil fuels. A sailboat uses mechanical energy, as it is pushed by the wind. Just like wind energy can push a sailboat, the wind's mechanical energy can also be converted into electrical energy using a wind turbine.

Although we have understood the many aspects of the physics of energy for a long time, we still need to understand the nature of this energy and the nature of distance of the movement.

In our examples we have a theoretic negative mass of Geedon at rest, this negative mass means negative energy for those who are very inactive in life : Very low vibrational motion.

$$E=mc^2$$

$$E = -0.00000000000020262006897746562 \text{ kg} \times (299\,792\,458 \text{ m / s})^2$$

$$E=-18210.58 \text{ Joules}$$

$$= -1.821058 \times 10^4 \text{ Joules}$$

$$1 \text{ joule} = 6,242 \times 10^{18} \text{ eV}$$

$$6,242 \times 10^{18} \times -1,821058 \times 10^4 = -1.136704403600000000000000$$

$$-1.1367044036 \times 10^{23} \text{ eV}$$

Then a positive force is applied to the Geedon by collision with the photon which generates energy transfer and mass conversion, both pair-particle mass will equal to zero and both will move faster than light backwards in time and has zero mass. Of course, all depends on the photon frequency, if it is low it will make Geedon move in a speed $< c$.

The force is any interaction (as Geedon-Photon collision) that, when unopposed, will change the motion of an object (Geedon). A force can cause an object with mass to change its velocity, to accelerate. Force can also be described intuitively as a push or a pull. A force has both

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magnitude and direction, making it a vector quantity. It is measured in the SI unit of newtons and represented by the symbol F .

So when force push or pull human soul particle, direction of motion is to go up from earth to the upper space. That movement has magnitude and speed, and some human particle moves from fast to faster than light speed even in awakesness and could travel to past and see past history events while they are awake without moving their bodies.

The speed of that motion is the result of interaction Photon-Geedon collision. Here it's very important to note that in the verse 143 surah Al-a'raf it proves our idea of the existence of a huge quantity of force exerted on the mountain and prophet moses:

"But when his Lord appeared to the mountain, He rendered it level, and Moses fell unconscious"

That huge amount of force exerted by God on the mountain made the atoms of the mass of the mountain to break down and the summit to be reduced to its base. This looks like kinetic energy in inelastic collision that breaks the balls in this picture



A collision is a concept that describes what happens when two objects strike each other. There are two types of collisions -- inelastic and elastic. No matter what type of collision you have, momentum will be conserved. This means that the total momentum of all of the colliding objects before the collision will be the same as the total momentum afterwards.

If momentum is conserved in all types of collisions, then how can you tell the difference between the two types? You can tell the difference by how the objects move after they hit each other. This movement depends on their kinetic energy, which is the energy that an object possesses whenever it is in motion.

In inelastic collisions, colliding objects don't bounce off of each other. The kinetic energy of the objects before the collision is not the same after the collision. Some of the kinetic energy is changed to different kinds of energy such as heat, light, or sound energy. One example of an

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inelastic collision in billiards is when the player hits the cue ball with the pool stick. The mountain destruction caused sounds too.

Before the collision, the stick is moving towards the ball at a high speed. After the collision, the stick stops moving. It transfers some of its kinetic energy to the cue ball, which rolls forward. But some of the kinetic energy is also lost to friction between the ball and the table, causing it to roll. Crashing cars in a road accident have the same concept.

I can deduct from this example that god is not the object that collided with the mountain but it could be an object that is created by him that has a huge quantity of energy. We do not admit that god has a mass, on the contrary god has no mass to collide because as our axiom of surah Al-Ikhlâs:

- 1- Say, "He is Allah, [who is] One,
- 2-Allah, the Eternal Refuge.
- 3- He neither begets nor is born,
- 4- Nor is there to Him any equivalent."

And verse 11 surah Ash-shuraa:

"فَاطِرُ السَّمَاوَاتِ وَالْأَرْضِ جَعَلَ لَكُمْ مِنْ أَنْفُسِكُمْ أَزْوَاجًا
وَمِنَ الْأَنْعَامِ أَزْوَاجًا يَذُرُّكُمْ فِيهَا لَيْسَ كَمِثْلِهِ شَيْءٌ وَهُوَ السَّمِيعُ الْبَصِيرُ"

11- "[He is] Creator of the heavens and the earth. He has made for you from yourselves, mates, and among the cattle, mates; He multiplies you thereby. **There is nothing like unto Him**, and He is the Hearing, the Seeing."

So to resolve the paradox that energy transfer need two objects with masses but god has no mass, we need to interpret the word in the verse "**تَجَلَّى**" as was translated "**appeared**", differently. For me with accordance to physical rules, I think that god created a "**SEPARATOR**" between him and our seven universes existence. God is out of our universes and a separator that has a mass makes the limit between him and our words.

The proof by the inverse will confirm the existence of this separator that prevents human from the ability to see god is the verse 22-23 surah Al-Qiyamah:

"وَجُوهٌ يَوْمَئِذٍ نَّاصِرَةٌ * إِلَىٰ رَبِّهَا نَاظِرَةٌ"

22- "[Some] faces, that Day, will be radiant,"

23- "Looking at their Lord."

Since we will be able to see god in paradise, then we are supposed to be unable to see him in our word.

Another direct proof by deduction is the hadith of prophet that states :

ولقوله ﷺ لَمَّا سُئِلَ: " هل رأيتَ ربك؟ يعني ليلة المعراج-، فقال: "تور أنى أراه؟"
(Narrated by al-Bukhaari, al-Tawheed, 6832)

It was narrated that Abu Dharr said: "I asked the Messenger of Allaah (peace and blessings of Allaah be upon him), 'Did you see your Lord?' He said, ' He is veiled by Light, how could I see (Him.)'" (Narrated by Muslim, al-Eeman, 261)

These proofs confirm the idea of separator which may have a mass is true and real. The separator mass has its own natural frequency as the mountain rocks atoms has their own natural frequency.

I think that when god ordered the separator to move away, the vibration of that mass started to produce waves that resonated with mountain natural frequency and that's what broke the mountain atoms apart. Exactly as when human produces by his voice sound that has the same frequency with the natural frequency of a glass and breaks the glass. It is the resonance phenomenon that I talked about in the previous chapter that god may have made it a way to bring dead back to life.

For a mountain to crash down by resonance as a bridge crashing by wind, it needs a huge frequency traveling through space towards the mountain a lot stronger than an earthquake to reduce the mountain to its base. An atomic bomb does not reduce a mountain to its base. We can imagine another planet colliding with ours to smash the whole mountain and made it flat.

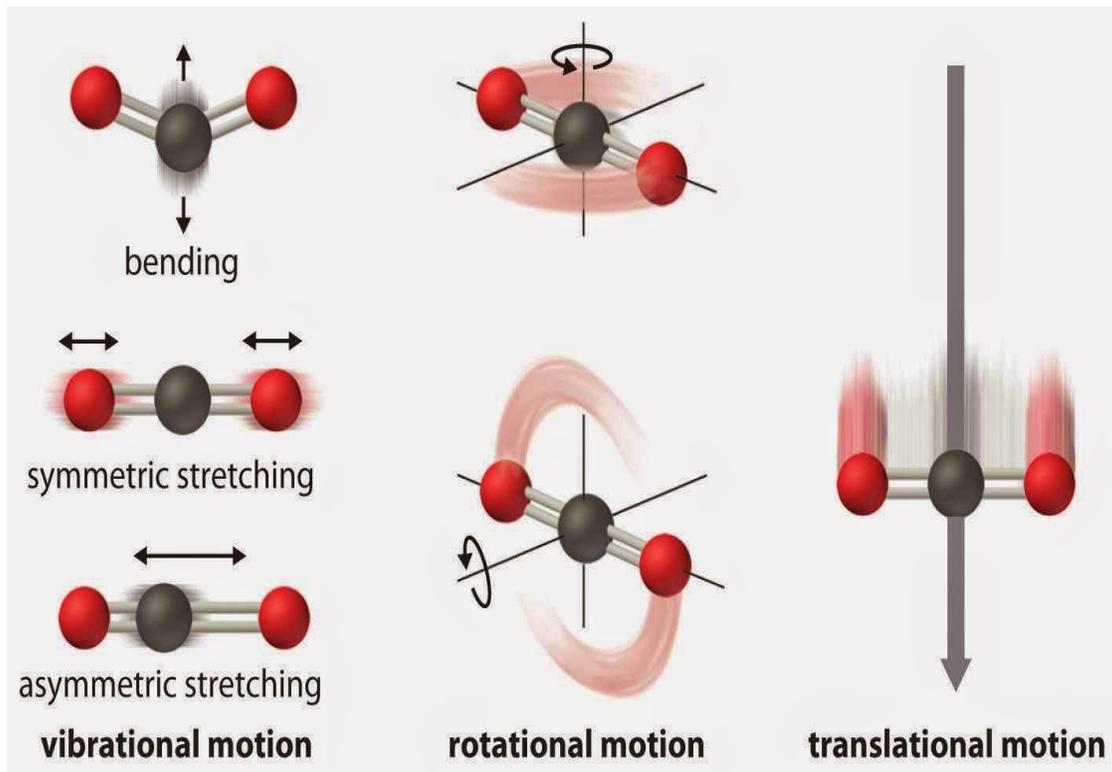
So god he never appeared to the mountain as he is, but what happened is that the physical separated was vibrating in a launch process to uncover god but did not uncover god.

The same energy that crashed the mountain had made prophet moses (pbuh) soul particle to collide with that huge quantity of high frequency light veil "photons" and to move in a speed

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faster than its maximum speed that he passed out and his soul lost consciousness. The soul lose consciousness when the Geedon rotation around body's center of mass is disturbed. When the Geedon leaves completely that orbit, the human being dies. This is my point of view.

Prophet moses (pbuh) soul particle did absorb by collision with photons a kinetic energy that was transformed to vibrational energy with vibrational motion on a frequency that caused resonance and his geedon particle collapsed by diffracting from its orbit. The veil separator-photon emitted photons in translational motion towards the Geedon, the collision occurred causing vibrational motion of the Geedon. A mutual vibration on the same frequency caused resonance to prophet moses (pbuh). Too much of vibrational motion during orbiting causes to diffract from the orbit and lose consciousness.



The vibrational kinetic energy caused to prophet moses was a potential energy before the collision occurred. The potential energy of vibrating on that high frequency was due to the position of prophet moses Geedon vis a vis the position of the separator-veil of photons. The interaction between these photons and the prophet Geedon transformed the potential energy to kinetic energy impossible to be absorbed by the prophet moses (pbuh).

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This picture explain the transformation from potential energy to kinetic energy :



In the picture of a bow and arrow, when the archer does work on the bow, drawing the string back, some of the chemical energy of the archer's body is transformed into elastic potential energy in the bent limb of the bow. When the string is released, the force between the string and the arrow does work on the arrow. The potential energy in the bow limbs is transformed into the kinetic energy of the arrow as it takes flight.

Common types of potential energy include the gravitational potential energy of an object that depends on its mass and its distance from the center of mass of another object, the elastic potential energy of an extended spring, and the electric potential energy of an electric charge in an electric field. The unit for energy in the International System of Units (SI) is the joule, which has the symbol J.

Here in our example of prophet moses (pbuh), the potential energy is the soul particle potential energy to vibrate due to its position vis a vis the veil-separator photons.

Photon energy is the energy carried by a single photon. The amount of energy is directly proportional to the photon's electromagnetic frequency and thus, equivalently, is inversely proportional to the wavelength. The higher the photon's frequency, the higher its energy. Equivalently, the longer the photon's wavelength, the lower its energy.

I assume that prophet moses (pbuh) was subject to photons veil-separator with high frequency and high kinetic energy unabsorbable by prophet Geedon.

Force is the "push" or "pull" exerted on an object to make it move or accelerate. Newton's second law of motion describes how force is related to mass and acceleration, and this relationship is used to calculate force. In general, the greater the mass of the object, the greater the force needed to move that object.

Multiply mass times acceleration. The force (F) required to move an object of mass (m) with an acceleration (a) is given by the formula $F = (m) \times (a)$. So, force = mass multiplied by acceleration.

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We don't have enough data about the mountain mass or the acceleration that the mountain subjected to. I did calculate Geedon mass which is valid for prophet mooses (pbuh) also. Then I already calculated approximately his theoretically Geedon energy at rest. The Geedon is never at rest because I think it is in continuous rotation around the body's center of mass. This rotation is being alive. The disturbance of rotation is passing out and the diffraction from the orbit is passing away.

D- The Geedon negative energy

$$E=mc^2$$

$$E = -0.00000000000020262006897746562 \text{ kg} \times (299\,792\,458 \text{ m/s})^2$$

$$E=-18210.58 \text{ Joules}$$

$$= -1.821058 \times 10^4 \text{ Joules}$$

$$-1.1366150522 \times 10^{23} \text{ eV}$$

My basic verse that I deduced the existence of the Geedon particle from and calculated its maximum velocity was verse 4 surah Al-ma'aarij:

4- "تَعْرُجُ الْمَلَائِكَةُ وَالرُّوحُ إِلَيْهِ فِي يَوْمٍ كَانَ مِقْدَارُهُ خَمْسِينَ أَلْفَ سَنَةٍ"

4-"The **angels** and the **Rûh** [Jibrîl (Gabriel)] ascend to Him in a Day the measure whereof is fifty thousand years."

I have interpreted the Rûh as the human soul and that is the Geedon particle with positive energy.

Even the concept of negative energy is compatible with the Geedon. The negative energy is defined as a concept used in physics to explain the nature of certain fields, including the gravitational field and various quantum field effects.

In more speculative theories, negative energy is involved in wormholes which may allow for time travel and warp drives for faster-than-light space travel. I already discussed this ability for Geedon to time travel faster than c and it was mentioned in quran.

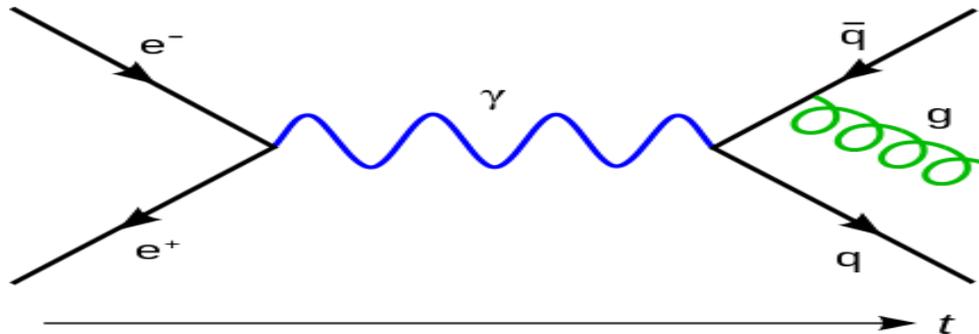
What I am going to analyse is the quantum field affects:

In quantum theory, the uncertainty principle allows the vacuum of space to be filled with virtual particle-antiparticle pairs which appear spontaneously and exist for only a short time before,

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typically, annihilating themselves again. Some of these virtual particles can have negative energy.

The interaction of subatomic particles can be complex and difficult to understand; this diagram gives a simple visualization of an example :



In this diagram, an electron (e^-) and a positron (e^+) annihilate, producing a photon (γ , represented by the blue sine wave) that becomes a quark–antiquark pair (quark q , antiquark q^-), after which the antiquark radiates a gluon (g , represented by the green helix).

Supposing the Geedon (G) has that negative energy, you would be asking: so what is the antiparticle that interact with it ?

The virtual particle is a transient quantum fluctuation that exhibits some of the characteristics of an ordinary particle, while having its existence limited by the uncertainty principle.

The concept of virtual particles arises in perturbation theory of quantum field theory where **interactions** between ordinary particles are described in terms of exchanges of "virtual particles".

Virtual particles do not necessarily carry the same mass as the corresponding real particle, although they always conserve energy and momentum. The longer the virtual particle exists, the closer its characteristics come to those of ordinary particles.

If we suppose that our ordinary particles here, are the invisible Geedon (human soul), which is still undetected and unmeasured by any apparatus and laboratories, and the antiparticle that interacts with it to fluctuate and make it visible is the second element mentioned in the same verse 4 surah Al-ma'aarij:

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angels and the Rûh

المَلَائِكَةُ وَالرُّوحُ

- Particle = (Rûh/الرُّوحُ) Geedon
- Antiparticle = (angels/المَلَائِكَةُ)

The antiparticle "angels-A" with positive mass and positive energy who brings the revelation "Interaction" to humans "Geedon-G" that has negative energy and negative mass; will cause fluctuation in the vacuum and you can have the occasion to detect the Geedon negative mass after interaction by revelation. A force was applied to it to have additional motion and his energy- mass increases and become visible .

That interaction between the -G particle and the +A particle produces the fluctuation which is the virtual particle.

This is not the only interaction between -G and +A. Azrael is one of the four major archangels in my religion Islam. He is responsible for taking the souls "-G" of the deceased away from the body. Azrael does not act independently but is only informed by God when time is up to take a soul.

If scientists had a more advanced instrument, they would have been able to detect this fluctuation and interaction between these 2 particles, while a human been in hospital on the death bed waiting for the second when his soul leaves his body. Seconds before the soul leaves the body, that interaction and fluctuation occur and we can detect the existence of the soul using physics and mathematics and technology. The science is in the service of proving God and some of his hidden secrets, if god will of course.

This interaction during death experience in real quantum physic is simply the quantum tunneling. So the idea that Geedon is negative energy can be accepted.

E- The Geedon momentum

Let's give brief explanation and some example to reader what momentum means.

Momentum is a commonly used term in sports. A team that has the momentum is on the move and is going to take some effort to stop. A team that has a lot of momentum is really on the move and is going to be hard to stop. Momentum is a physics term; it refers to the quantity of motion

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that an object has. A sports team that is on the move has the momentum. If an object is in motion (on the move) then it has momentum.

Momentum can be defined as "mass in motion." All objects have mass; so if an object is moving, then it has momentum - it has its mass in motion. The amount of momentum that an object has is dependent upon two variables: how much mass is moving and how fast the mass is moving. Momentum depends upon the variables mass and velocity. In terms of an equation, the momentum of an object is equal to the mass of the object times the velocity of the object.

Momentum = mass \times velocity

In physics, the symbol for the quantity momentum is the lower case p. Thus, the above equation can be rewritten as

$$p = m \times v$$

where m is the mass and v is the velocity. The equation illustrates that momentum is directly proportional to an object's mass and directly proportional to the object's velocity.

The units for momentum would be mass units times velocity units. The standard metric unit of momentum is the kg \times m/s.

Momentum is a vector quantity. A vector quantity is a quantity that is fully described by both magnitude and direction. To fully describe the momentum of a 5-kg bowling ball moving westward at 2m/s, you must include information about both the magnitude and the direction of the bowling ball. It is not enough to say that the ball has 10 kg \cdot m/s of momentum; the momentum of the ball is not fully described until information about its direction is given. The direction of the momentum vector is the same as the direction of the velocity of the ball. The direction of the velocity vector is the same as the direction that an object is moving. If the bowling ball is moving westward, then its momentum can be fully described by saying that it is 10 kg \cdot m/s, westward. As a vector quantity, the momentum of an object is fully described by both magnitude and direction.

From the definition of momentum, it becomes obvious that an object has a large momentum if both its mass and its velocity are large. Both variables are of equal importance in determining the momentum of an object. Consider a Mack truck and a roller skate moving down the street at the same speed. The considerably greater mass of the Mack truck gives it a considerably greater

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"يَا مَعْشَرَ الْجِنَّ وَالْإِنْسِ إِنِ اسْتَطَعْتُمْ أَنْ تَنْفُذُوا مِنْ أَقْطَارِ السَّمَاوَاتِ وَالْأَرْضِ فَانفُذُوا لَا تَنْفُذُونَ إِلَّا بِسُلْطَانٍ"

33-"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].**"

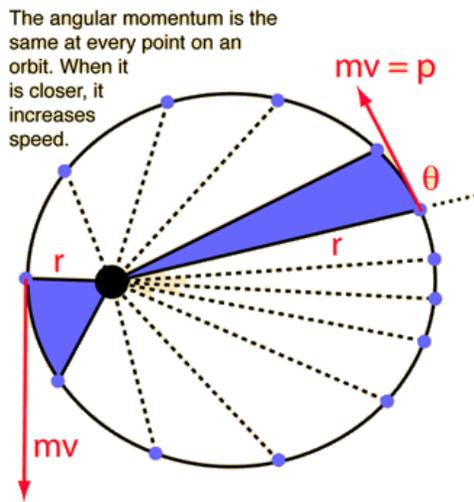
E-1 Angular momentum

The angular momentum of a the Geedon particle around the body's center of mass is

The angular momentum of a particle of mass m with respect to a chosen origin is given by $L = mvr \sin \theta$ or more formally by the vector product $L = r \times p$.

The direction is given by the right hand rule which would give L the direction out of the diagram. For an orbit, angular momentum is conserved, and this leads to one of Kepler's laws. For a circular orbit, L becomes

$$L = mvr$$



This rotational motion is as I said before "being alive".

I don't see any sign in the quran about this motion but since "being alive" is continuous motion, I can postulate the existence of this motion for the Geedon fundamental particle.

Knowing that all moving charges like Geedon negative charge produce magnetic fields. The electrons orbiting nuclei in atoms produce that magnetic field. However, the electrons

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themselves act as if they are spinning very rapidly, producing tiny magnetic fields independent of those from their orbital motions. Soon the terminology 'spin' was used to describe this apparent rotation of subatomic particles.

In a broader sense, spin is an essential property influencing the ordering of electrons and nuclei in atoms and molecules, giving it great physical significance in chemistry and solid-state physics. Spin is likewise an essential consideration in all interactions among subatomic particles, whether in high-energy particle beams, low-temperature fluids or the tenuous flow of particles from the sun known as the solar wind. Indeed, many if not most physical processes, ranging from the smallest nuclear scales to the largest astrophysical distances, depend greatly on interactions of subatomic particles and the spins of those particles."

Does the Geedon elementary particle spin ?

E-2 The Spin

At our current level of understanding, the elementary particles are quarks, leptons (such as the electron) and bosons (such as the photon). These particles are all imagined as pointlike, so you might wonder how they can have spins. A simple answer might be, perhaps they are composite, too. But deep theoretical reasons having to do with the **rotational symmetry of nature** lead to the existence of spins for elementary objects and to their quantization. Of particular significance is the difference between fermions, particles that, like the electron, have half-integer spins (half-integer multiples of Planck's constant divided by 2π), and bosons, particles that have integer spins. Fermions obey the Pauli exclusion principle, which states that two identical fermions cannot exist in the same state; without the Pauli exclusion principle, chemistry would have no Periodic Table. Bosons, on the other hand, tend to congregate in the same state, leading to phenomena such as superconductivity and Bose-Einstein condensation.

Geedon as elementary particle may have a spin according to the rotational symmetry of nature. But what spin number does it have ? The answer cannot be given with certitude without measuring.

Instead we discovered quantum spin through experimentation, but Dirac think that in order to understand this strange particle property we have to put ourselves in a fully relativistic, and quantum, state of mind. As tempting as it may be, we have to totally discard any thoughts of subatomic particles being tiny, little spinning metal balls; their behavior is much more complex than that metaphor might suggest. Indeed, there are probably no useful metaphors at all.

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And just like mass and charge, we can perform experiments to discover the nature of the spin property and how it interacts with the other forces and particles in the universe. And it turns out that spin has some pretty weird properties indeed.

For one, the magnitude of a particular particle's spin is fixed. By definition, electrons have a spin equal to $1/2$. Other particles might have spin of 1 , $3/2$, 2 or even 0 . And the magnitude of a particle's spin determines what directions of the spin we can actually measure.

For example, a spin $1/2$ particle like an electron can only ever be measured to be $+1/2$ or $-1/2$, corresponding to the up and down deflections of the Stern-Gerlach experiment. A spin 1 particle, such as a photon, can be measured to have directions $+1$, 0 , or -1 , and that's it. I know it's confusing notation, but you're going to have to blame the physicists who first describing it a hundred years ago.

Keep in mind that the actual direction of the spin could point anywhere — imagine a little arrow tagged onto each and every particle. The length of that arrow is fixed for each kind of particle, but we're only ever allowed to measure a limited number of directions. If the arrow is pointing even slightly up it will register in any experiment as $+1/2$. If it's a little bit down or very much down, it doesn't matter, we get $-1/2$. And that's it.

It's like the most useless GPS navigation in the world: Instead of giving you accurate directions, you're only told, "Go north 500 steps," or "Go south 500 steps." Good luck finding that mosque.

I will, though analyse the proprieties of the spin 1 number and look if it has any correspondence in the quran. But before that I will enumerate some of the spin notions:

- The particle is not actually spinning or rotating.
- Spin, like mass, is a fundamental property of nature and does not arise from more basic mechanisms.
- Spin interacts with electromagnetic fields whereas classic angular momentum (L) interacts with gravitational fields.
- The magnitude of spin is quantized, meaning that it can only take on a limited set of discrete values.
- Spin quantum numbers may take half-integer values.
- Although the direction of its spin can be changed, an elementary particle cannot be made to spin faster or slower.

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- The spin of a charged particle is associated with a magnetic dipole moment with a g-factor differing from 1. This could only occur classically if the internal charge of the particle were distributed differently from its mass.
- All elementary particles have a characteristic spin, for example electrons have "spin 1/2" (this actually means "spin $\hbar/2$ ") while photons and Geedons have "spin 1" (this actually means "spin \hbar ").
- Particles with spin can possess a magnetic dipole moment, just like a rotating electrically charged body in classical electrodynamics. These magnetic moments can be experimentally observed in several ways, e.g. by the deflection of particles by inhomogeneous magnetic fields in a Stern–Gerlach experiment, or by measuring the magnetic fields generated by the particles themselves. On the other hand elementary particles with spin but without electric charge, such as a photon or a Z boson, do not have a magnetic moment.
- The magnetic moment is the magnetic strength and orientation of a magnet or other object that produces a magnetic field. Examples of objects that have magnetic moments include: loops of electric current (such as electromagnets), permanent magnets, **moving elementary particles** (such as electrons and the Geedon), various molecules, and many astronomical objects (such as many planets, some moons, stars, etc).
- In physics and materials science, the Curie temperature (TC), or Curie point, is the temperature above which certain materials lose their permanent magnetic properties, which can (in most cases) be replaced by induced magnetism. The Curie temperature is named after Pierre Curie, who showed that magnetism was lost at a critical temperature.
- The force of magnetism is determined by the magnetic moment, a dipole moment within an atom which originates from the angular momentum and spin of electrons. Materials have different structures of intrinsic magnetic moments that depend on temperature; the Curie temperature is the critical point at which a material's intrinsic magnetic moments change direction.

The concept of spin angular momentum (I) or simply "spin", is an intrinsic magnetic property possessed by a subatomic particles like the Geedon elementary particle. The Geedon has (I) = 1. As a subatomic particle governed by quantum mechanics, Geedon is also thought of as "probability waves" rather than solid "objects". Because of the Heisenberg Uncertainty Principle, we cannot know the exact direction of a particle's spin at any point in time. However, we can measure and know with certainty some limited properties about the spin, such as a component of its angular momentum along a single direction. When a quantum property is potentially observable/measurable, it is known as an eigenstate. (In German, the word "eigen" means "own" or "self".)

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The number of eigenstates (or observable spin states) for a Geedon with spin = I is given by:

Number of spin states = $2I + 1$. Hence for the Geedon with $I = 1$, there are $2(1) + 1 = 3$ possible spin states. These states are commonly denoted as $|+1\rangle$, $|0\rangle$, and $|-1\rangle$, often referred to as "spin-up" or "parallel" then "spin perpendicular" and finally "spin-down" or "anti-parallel".

In the absence of an external magnetic field, the three separate spin states for Geedon are not observable. If an external magnetic field is applied, however, a quantum-field interaction occurs allowing the three separate states to be measured/revealed. Otto Stern and Walther Gerlach performed a famous experiment demonstrating this phenomenon.

It should be emphasized that just because a Geedon has three spin states, it does not mean that the individual spin reside exclusively in one state or the other. They do not. In fact, nearly all spins exist in a weighted superposition of all states simultaneously! It is only when spins are subjected to a measurement process (such as being passed through the S-G apparatus), that their wavefunctions collapse to reveal the three separate/pure eigenstates.

If we do the same experiment of the physical separation in the deposition of the Geedon by the Stern-Gerlach apparatus, it will also reflect an energy difference (ΔE) between the three states. This is known as the nuclear Zeeman effect, named after Pieter Zeeman, who in 1896 had observed the splitting of optical spectral lines by a magnetic field.

You may ask me how did I know that the spin states are 3 and then the spin number is 1 without doing any experiment to measure? Actually you are right, such proprieties has to be measured. But I am going to use the logic since I have no apparatus. If you follow my analysis you may believe it and then we can derive more calculations.

The 3 spin intrinsic states of the Geedon are found in the quran. The Geedon is the human been soul particle and this soul was classified by god into 3 types. As there is an energy difference (ΔE) between the three spin states, there is also an energy difference between the 3 types of the soul states.

The uncertainty to know the state of the Geedon as a particle before we measure it is similar to the uncertainty to know the type of the person if he is spinning up or down or perpendicular before we test him.

The three states are announced in different surahs of the quran. These verses are about Al-Nafs "النَّفْسُ". Scholars are still not making a clear net distinction between the soul "الرُّوحُ" and Al-Nafs "

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"النَّفْسُ". The translation of both terms is the same but the meaning looks different but not clear in scholars' interpretations.

The first type of "Nafs" is in verse 27 of surah Al-Fajr

"يَا أَيَّتُهَا النَّفْسُ الْمُطْمَئِنَّةُ (27) ارْجِعِي إِلَىٰ رَبِّكِ رَاضِيَةً مَّرْضِيَّةً (28) فَادْخُلِي فِي عِبَادِي (29) وَادْخُلِي جَنَّاتِي (30)"

27-"[To the righteous it will be said], "O reassured soul,"

28-"Return to your Lord, well-pleased and pleasing [to Him],"

29-"And enter among My [righteous] servants"

30-"And enter My Paradise."

The second type of "Nafs" is in verses 1-2 surah Al-Qiyama

"لَا أُقْسِمُ بِبَيْتِ الْفَيْيَامَةِ (1) وَلَا أُقْسِمُ بِالنَّفْسِ اللَّوَّامَةِ (2)"

1-"I swear by the Day of Resurrection"

2-"And I swear by the reproaching soul [to the certainty of resurrection]."

The third type of "Nafs" is in Verse 53 surah Yusuf

"وَمَا أُبْرِئُ نَفْسِي ۚ إِنَّ النَّفْسَ لَأَمَّارَةٌ بِالسُّوءِ إِلَّا مَا رَحِمَ رَبِّي ۚ إِنَّ رَبِّي غَفُورٌ رَحِيمٌ (53)"

53-"And I do not acquit myself. Indeed, the soul is a persistent enjoiner of evil, except those upon which my Lord has mercy. Indeed, my Lord is Forgiving and Merciful."

Before I give my interpretation and linkage of the three "types of "Nafs" to the three spin states, it's extremely important and highly reasonable to pose the question regarding the terms "nafs" and "rooh". Do these terms dignify one and the same thing or are they two distinctly different entities?" The majority of Islamic scholars agree that the nafs (they translated soul) and the rooh (they translated spirit) are two names for one and the same thing. However, others maintain that they are two different entities.

The debate over the meaning of the two concepts is long and you can have further reading about it, but for my analysis I will try to expose two important opinions and in the end I will reconcile all of them using my own physics interpretation.

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A sector of hadeeth (the hadeeth is the saying of the prophet) scholars holds the opinion that the "rooh" is other than the "nafs" but that the "nafs", which is in the form of man, is dependent upon the "rooh" for existence. Man's nature (i.e. nafs) is filled with vanities, desires and passions. It is the source of his trials and afflictions, and there is no enemy more hostile to him than his own "nafs". Thus, the "nafs" wants and loves nothing other than the things of this world, while the "rooh" longs for the Hereafter and invites to it.

This previously stated notions assert that the "nafs" and the "rooh" are two separate entities. Other positions exist which are either completely absurd or irrelevant. The absurd views are based on mere personal belief or concepts borrowed from philosophies or teachings foreign to Islam, such as those stating that the "nafs" is earthy and fiery, whereas the "rooh" is luminous and spiritual. The irrelevant theories include the conviction that "houh" are entities whose nature and reality known only to God, implying that nothing has been revealed to mankind about them.

In contrast, the most adopted view, as maintained by the vast majority of Muslim theologians and endorsed by the scholars of Ahlus-Sunnah, is that the terms "nafs" and "rooh" are interchangeable. However, the term "nafs" is usually applied when the soul is inside the body, and the word "rooh" is used when the soul is apart from the body.

Authentic traditions from the Prophet clearly establish that the "rooh" and the "nafs" are essentially one and the same thing. The following narrations, which are two different versions of the same incident, will clarify this point beyond a shadow of a doubt. They explain the manner in which the rooh/nafs departs from the deceased person's body upon death:

Umm Salamah reported Allaah's Messenger as saying: "When the rooh is taken out, the eyesight follows it."

Abu Hurayrah reported that the Prophet said: "Do you not see that when a person dies his gaze is fixed intently; that occurs when his eyesight follows his nafs [as it comes out]."

Clearly, since the word "rooh" was used in the first narration and the word "nafs" was used in the second, the two terms are, in essence, interchangeable.

For me the two terms are related to the same entity. The rooh (I translate it soul) is the base of life. the soul particle Geedon is rotating the body's center of mass and that is the meaning of being alive. This particle has a spin 1. Some physicists regard the spin as intrinsic internal property but others regard it as an angular momentum generated by circulating flow of energy in

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the wave field. Likewise the magnetic moment may be regarded as generated by the circulating flow of energy in the wave field which establishes that neither spin nor magnetic moment are "internal", they are not associated with the internal structure of the particle but rather with the structure of its wave field.

For the Geedon whether its spin 1 is regarded as internal structure or related to the structure of its wave field, the three Geedon states -1,0,1 all have variation in the energy.

These three states are actually the three types of "Nafs", three different projections of the Geedon "soul" after interacting with the temperature "satan soul particle" or/and the "photon angel particle".

More clearly:

1- Geedon interacting with low temperature = **reassured soul** النَّفْسُ الْمُطْمَئِنَّةُ state -1 (Geedon high energy because of high magnetic field).

2- Geedon interacting with medium temperature = **reproaching soul** النَّفْسُ اللَّوَّامَةُ state 0 (Geedon medium energy because of medium magnetic field).

3-Geedon interacting with high temperature = **persistent enjoiner of evil soul** النَّفْسُ الْأَمَّارَةُ State 1 (Geedon low energy because of low magnetic field).

In the subatomic world governed by quantum mechanics, not only spin angular momentum but also the transfer of energy may assume only discrete units. In 1905 Max Planck showed the relationship between the change in energy (ΔE) of an atomic system by emission of a photon of frequency (f_0) to be: $\Delta E = h f_0$

where h is Planck's constant whose value is approximately 6.626×10^{-34} Joule-sec. Planck's constant reflects the granularity of the subatomic world and the fact that energy is released or absorbed only in discrete packets or quanta.

The energy gap (ΔE) between two nuclear spin states scales is directly linked with magnetic field strength and is given by the Zeeman equation: $\Delta E = \gamma h B_0$.

where γ is called the gyromagnetic ratio, a constant specific to a particular nucleus in MHz/Tesla.

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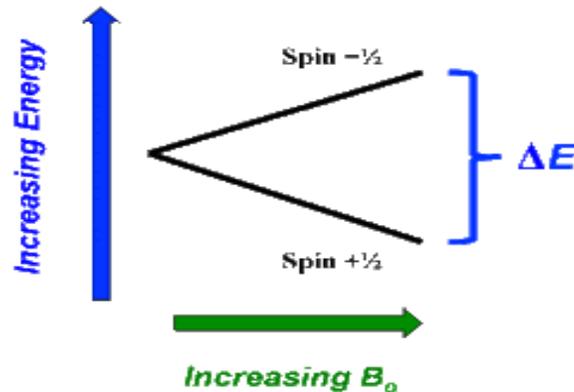
The Planck relation and Zeeman equation may be combined, producing an interesting and important result that will look familiar to those with prior exposure to MRI:

$$E = h f_0 = \gamma h B_0$$

or

$$f_0 = \gamma B_0$$

This is the famous Larmor equation, showing that NMR resonance frequency (f_0) is simply the gyromagnetic ratio (γ) times the magnetic field strength (B_0). Of course, this is not a rigorous derivation from quantum mechanics, but does show how directly the Larmor relation results from very basic concepts that should be understandable to most readers. The fact that Planck's constant (h) disappears from the solution implies that a non-quantum explanation using classical physics is also possible.



Nuclear Zeeman splitting. The energy gap (ΔE) between spin-up $|+\frac{1}{2}\rangle$ and spin-down $|-\frac{1}{2}\rangle$ states is directly proportional to the magnetic field strength (B_0). This figure is for spin $\frac{1}{2}$ but we can adjust it to be applicable to spin 1 of Geedon.

So we can understand that the more the magnetic field of the Geedon increases the more its energy increases and its spin states changes from **persistent enjoiner of evil soul** النَّفْسُ الْأَمَّارَةُ to **reproaching soul** النَّفْسُ اللَّوَّامَةُ to **reassured soul** النَّفْسُ الْمُطْمَئِنَّةُ.

In physics and materials science, the Curie temperature (TC), or Curie point, is the temperature above which certain materials lose their permanent magnetic properties, which can (in most cases) be replaced by induced magnetism. The Curie temperature showed that magnetism was lost at a critical temperature.

The force of magnetism is determined by the magnetic moment, a dipole moment within a Geedon which originates from its angular momentum and spin. Materials in general have different structures of intrinsic magnetic moments that depend on temperature; the Curie

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temperature is the critical point at which a material's intrinsic magnetic moments change direction and so Geedon is affected by that temperature.

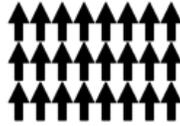


Figure 1. Below the Curie temperature, neighbouring magnetic spins align parallel to each other in ferromagnet in the absence of an applied magnetic field

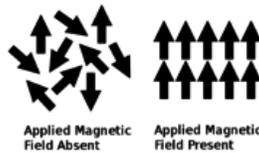


Figure 2. Above the Curie temperature, the magnetic spins are randomly aligned in a paramagnet unless a magnetic field is applied

Permanent magnetism is caused by the alignment of magnetic moments and induced magnetism is created when disordered magnetic moments are forced to align in an applied magnetic field. For example, the ordered magnetic moments (ferromagnetic, Figure 1) change and become disordered (paramagnetic, Figure 2) at the Curie temperature. Higher temperatures make magnets weaker, as spontaneous magnetism only occurs below the Curie temperature. Magnetic susceptibility above the Curie temperature can be calculated from the Curie–Weiss law, which is derived from Curie's law.

The Geedon while spinning creates its own magnetic field and act as a small magnet but when exposed to temperature higher than curie temperature it becomes weaker magnet and change direction. This high temperature in real life that cause the human been soul particle to be in disorder and change direction is the satan temperature.

This satan temperature may cause a high human body temperature during interaction. This was detected by some healers of some human fully or partially possessed by Jinns or in case of evil eye strike or magic or covety.

The evil eye (al-ayn in Arabic) is a term used to describe misfortune that is transmitted from one person to another out of jealousy or envy. The misfortune of the victim may manifest as sickness, loss of wealth or family, or a streak of general bad luck. The person inflicting the evil eye may do so with or without intention.

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The evil eye has a satan servant that has his own soul particle that strike the Geedon and reduce its magnetic field. The person striked feels among the symptoms some increase in his body's temperature. The temperature rise also felt in case of magic exerted on the Geedon by a covetous person to damage the others.

A hadeeth of the prophet in Ṣaḥīḥ Muslim 2174 confirmed this interaction that it may be internal inteaction and not external. Anas ibn Malik reported: The Messenger of Allah, peace and blessings be upon him, said, "Verily, Satan flows through the human being like the flowing of blood."

The Prophet Muhammad, peace be upon him, spoke about the reality of the evil eye and magic, and advised his followers to recite certain verses of the Quran to protect themselves.

Exp: surah Al-Falaq

"Say: 'I seek refuge with the Lord of the Dawn, from the mischief of created things; from the mischief of darkness as it overspreads; from the mischief of those who practice secret arts; and from the mischief of the envious one as he practices envy'.

These surah brings assistant angels "photon" to rise the energy and magnetic moment and spin direction of the Geedon.

Satan "Iblis" in quran is a hidden creature that has mind as humans and angels. This creature has different soul that is created from fire "high temperature". The verses 12-17 surah Al-A'raaf mentioned his soul particle and his animosity to humans.

"قَالَ مَا مَنَعَكَ أَلَّا تَسْجُدَ إِذْ أَمَرْتُكَ قَالَ أَنَا خَيْرٌ مِّنْهُ خَلَقْتَنِي مِن نَّارٍ وَخَلَقْتَهُ مِن طِينٍ (12) قَالَ فَاهْبِطْ مِنْهَا فَمَا يَكُونُ لَكَ أَنْ تَتَكَبَّرَ فِيهَا فَاخْرُجْ إِنَّكَ مِنَ الصَّاغِرِينَ (13) قَالَ أَنْظِرْنِي إِلَى يَوْمِ يُبْعَثُونَ (14) قَالَ إِنَّكَ مِنَ الْمُنظَرِينَ (15) قَالَ فِيمَا أُغْوَيْتَنِي لَأَفْعُدَنَّ لَهُمْ صِرَاطَكَ الْمُسْتَقِيمَ (16) ثُمَّ لَأَنْتَبَهُنَّ مِّن بَيْنِ أَيْدِيهِمْ وَمِنْ خَلْفِهِمْ وَعَنْ أَيْمَانِهِمْ وَعَنْ شَمَائِلِهِمْ وَلَا تَجِدُ أَكْثَرَهُمْ شَاكِرِينَ (17)"

12-"[Allah] said, "What prevented you from prostrating when I commanded you?" [Satan] said, "I am better than him. You created me from fire and created him from clay."

13-" [Allah] said, "Descend from Paradise, for it is not for you to be arrogant therein. So get out; indeed, you are of the debased."

14-"[Satan] said, "Reprieve me until the Day they are resurrected."

15-"[Allah] said, "Indeed, you are of those reprieved."

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16-"[Satan] said, "Because You have put me in error, **I will surely sit in wait for them on Your straight path.**"

17-"Then I will come to them from before them and from behind them and on their right and on their left, and You will not find most of them grateful [to You]."

So it's clear that this fire particle is interacting with Geedon and disturbing its magnetic moment. And since spin magnetic moment is the magnetic moment caused by the spin of elementary particles, then this interaction can cause the spin states to change from 1 to 0 and -1. Each of these states represents one of the three types of the soul states "Nafs".

So when a person "Geedon" is exposed to satan "temperature", it becomes weaker magnet with low magnetic field and loses energy to become disobedient and **persistent enjoiner of evil soul** and comet disorder and wrongdoings. Who is going to change his spin direction and increase is energy and magnetic moment to move on to the **reproaching soul** النَّفْسُ اللَّوَّامَةُ then to become **reassured soul** النَّفْسُ الْمُطْمَئِنَّةُ ?

In classical physics, knowing the state of a system implies knowing everything that is necessary to predict the future of that system. But, quantum systems are not completely predictable. Evidently, quantum states have a different meaning than classical states. Very roughly, knowing a quantum state means knowing as much as can be known about how the system was prepared.

Quantum mechanical systems are not deterministic—the results of experiments can be statistically random—but if we repeat an experiment many times, average quantities can follow the expectations of classical physics, at least up to a point.

This ally also to humans, when we measure their soul states, each measurement can give us a different state "nafs". Today the person soul is reassured, tomorrow his soul is reproaching and there is a probability that a week later his soul will be again reassured or may be persistent enjoiner of evil according to the uncertainty principle.

So what makes the motion from state to state is not only the interaction with temperature satan particle but also the interaction Geedon-photon (photon are the angels).

as shown in (Figure 2. Above the Curie temperature, the magnetic spins are randomly aligned in a paramagnet unless a magnetic field is applied)

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Does the photon "angel" interacts with the Geedon to create a supplement of magnetic field and align the magnetic spin ?

To answer this question, we need to understand the relation between magnets "Geedon moving" and photons.

Actually the current researches in the domain of how is the relation between photons and magnets are still young, promoting but not conclusive how the photon can increase the magnetic field of a particle. Cross-border collaboration needed.

If you point a magnet at a metal object, the object, or the magnet, may move. A magnet can also change the direction of an electric current – a stream of electrons. But if you point a magnet at light, nothing happens at all. Light and magnetism do not interact.

They ought to be able to interact, since light is electromagnetic radiation, and all such radiation consists of oscillating magnetic fields. But the reason that light and magnetism do not recognize one another is that light has a so much higher frequency – it oscillates 10,000 times faster than the fastest magnetic fields.

One research concluded that Plasmons couple light to magnetic fields. The researchers are making minute “antennas”, tiny nanoscale rods, discs and balls, only billionths of a meter across. The antennas are attached to a transparent surface such as glass. When light strikes the antennas, it causes the electrons in them to oscillate. And unlike magnetic fields, electrons can actually oscillate almost as fast as light. When they do so, nano-plasmons are created. These may be described as a cross between an electron and a photon. They produce a concentrated, amplified and rapidly oscillating nanoscale electromagnetic field. This is what bridges the gap between light and magnetism. The plasmon can be influenced by magnets, so that the photon emerges in a changed state. The light may take a different direction or acquire a different polarization, for example.

The antennas are made of metals such as gold, silver, copper and aluminum. By their choice of materials, together with the shape of the antennas, the researchers can control what happens to the nano-plasmons.

But the researchers also want to find out how things work in the opposite direction, i.e. **whether magnetic fields can be controlled by light**. The point of this is that magnetism is used to store

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information on hard disks, and is currently controlled electrically. If magnetic fields could be controlled using light, the process would be much quicker, and the read-write time would be thousands of times faster.

Nano-plasmons appear to offer a practical solution to numerous problems. Yet still few researchers across the world are studying the link between nano-plasmons and magnetism.

The truth is that there is fairly little contact between different research fields. Researchers who are experts in magnetism are not particularly interested in plasmonics or nano-optics. Someone who knows nano-optics sees little connection to magnetism.

A particularly important aspect of the project is that experimental and theoretical scientists are collaborating. **As far back as 20 years ago researchers showed that short, intense pulses of light could affect the field on a magnetic film. But no-one has fully explained yet how this works.**

There is also a theory of induced optical magnetism that states that enhancement of magneto-electric interactions can take place when an initial photon establishes an electrical polarization within a material and imparts orbital angular momentum to its constituents. This happens on all allowed electric dipole transitions between $L=0$ and $L=1$ molecular states. Subsequently, a second photon can exert magnetic torque on the orbital angular momentum of a molecular excited state, causing an exchange of orbital and rotational angular momentum.

Through conversion of orbital motion of the optical excitation to rotational motion of the molecule, the second step of this magneto-electric interaction de-excites the molecule and effectively increases the radius of charge motion, thereby enhancing the magnetic dipole of the process (since that depends on the area enclosed by the current within the molecule). This finding has significant implications for materials that were once thought to be "nonmagnetic." Indeed, this type of induced magnetism should take place in all dielectric media and could enable new types of optical switches, energy conversion processes, or the generation of magnetic fields without requiring current-carrying coils.

These researches makes me postulate comfortably that photon "angel" by interaction with "Geedon reduced magnetic field" can enhance, increase and induce its weaken magnetic field. The person that lost his direction of obedience because of satan can be guided and assisted by

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angels carrying revelation from God. The Geedon-photon interaction can take a form of collision.

II- The Geedon as a wave

1- The wave function

I will attempt to explain its context as well as its components.

There are 3 fundamental equations associated with quantum mechanics: Planck's equation, Heisenberg's uncertainty principle and Schrodinger's equation. Of course, there are many other equations involved, including Dirac's equation (built on Schrodinger's equation) and the QED equations developed by Feynman, Schwinger, Tomonaga and Dyson, but I'll stop at Schrodinger's because it's going to help me encapsulates the Geedon quantum phenomena both conceptually and physically.

The 3 equations are:

1) $E = hf$

2)

$$\Delta x \Delta p \geq \frac{\hbar}{2}$$

3)

$$i\hbar \frac{\partial}{\partial t} \psi = -\frac{\hbar^2}{2m} \nabla^2 \psi + V\psi$$

The first equation is simply that the energy, E, of a photon is Planck's constant ($h = 6.6 \times 10^{-34}$) times its frequency, f.

This is the equation that gives the photoelectric effect, as described by Einstein, and gave rise to the concept of the photon: a particle of light. The energy that a photon gives to an electron (to

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allow it to escape from a metal surface) is dependent on its frequency and not its intensity. **The higher the frequency the more energy it has and it must reach a threshold frequency before it affects the electron. Making the photons more intense (more of them) won't have any effect if the frequency is not high enough.** Because one photon effectively boots out one electron, Einstein realised that the photon behaves like a particle and not a wave.

The second equation involves \hbar (called h bar) and is h divided by 2π . \hbar is more commonly used in lieu of h and it features prominently in Schrodinger's equation.

(For future reference there is a relationship between f and w whereby $w = f \times 2\pi$, which is the wavenumber equals frequency times 2π . This means that $E = hf = hw/2\pi$ and becomes $E = \hbar w$).

The second equation entails Heisenberg's uncertainty principle, which states mathematically that there are limits to what we can know about a particle's position or its momentum. The more precisely we know its position the less precisely we know its momentum, and this equation via Planck's constant defines the limits of that information. We know that in practice this principle does apply exactly as it's formulated. It can also be written in terms of "E" and "t" (Energy and time). This allows a virtual particle to be produced of a specific energy, providing the time duration allows it within the limits determined by Planck's constant (it's effectively the same equation only one uses E and t in lieu of p and x). This has been demonstrated innumerable times in particle accelerators. I will show later how with a precise precalculated momentum "p" of the Geedon we could not determine precisely its position "x" inside the body.

To return to Schrodinger's equation, there are many ways to express it but I chose the following because it's relatively easy to follow.

$$i\hbar \frac{\partial}{\partial t} \psi = -\frac{\hbar^2}{2m} \nabla^2 \psi + V\psi$$

Left hand = Right hand (Kinetic energy + potential energy)

The first thing to understand about equations in general is that all the terms have to be of the same stuff. You can't add velocity to distance or velocity to acceleration; you can only add (or deduct from) velocities to velocity. In the above equation all the terms are Energy times a Wave function (called psi) Ψ .

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The terms on the **right hand side are called a Hamiltonian** and it gives the total energy, which is kinetic energy plus potential energy (ignoring, for the time being, the wave function).

If you have a mass that's falling in gravity, at any point in time its energy is the potential energy plus its kinetic energy. As it falls the kinetic energy increases and the potential energy decreases, but the total energy remains the same. This is exactly what the Schrodinger equation entails. The Hamiltonian on the right gives the total energy and the **term on the left hand side gives the energy of the particle (say, an electron) at any point in time via its wave function.**

Another way of formulating the same equation with some definition of terms is as follows:

Schrödinger's Equation

$$i\hbar \frac{\partial}{\partial t} \psi(\mathbf{r}, t) = -\frac{\hbar^2}{2m} \nabla^2 \psi(\mathbf{r}, t) + V(\mathbf{r}, t) \psi(\mathbf{r}, t)$$

i is the imaginary number, $\sqrt{-1}$.

\hbar is Planck's constant divided by 2π : 1.05459×10^{-34} joule-second

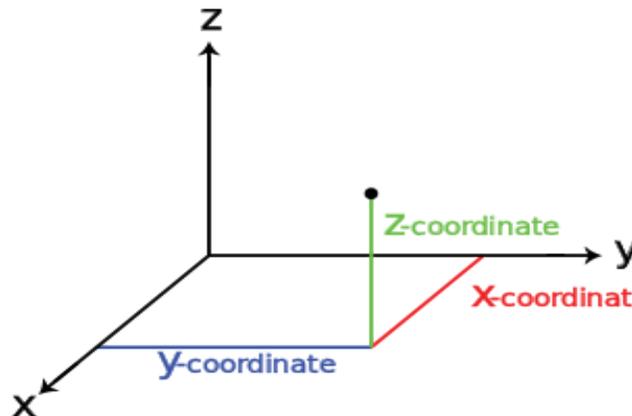
$\psi(\mathbf{r}, t)$ is the wave function, defined over space and time.

m is the mass of the particle.

∇^2 is the Laplacian operator, $\frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} + \frac{\partial^2}{\partial z^2}$.

$V(\mathbf{r}, t)$ is the potential energy influencing the particle.

The Laplacian operator just allows you to apply the equation in 3 dimensions space (x, y and z). If one considers the equation as only applying in one dimension (x) then this can be ignored.



The 3 dimensional space

Before I explain any other terms, I think it helps to provide a bit of contextual history. Heisenberg had already come up with a mathematical methodology to determine quantum properties of a particle (in this case, an electron) using matrices. Whilst it gave the right results, the execution was long winded (Wolfgang Pauli produced 40 pages to deduce the 'simple'

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energy levels of the hydrogen atom using Heisenberg's matrices) and Schrodinger was 'repelled' by it.

Schrodinger was inspired by Louis de Broglie's insight that electrons could be described as a wave in the same way that photons could be described as particles. De Broglie understood the complementarity inherent between waves and particles applied to particles as well as light. Einstein famously commented that de Broglie 'has lifted a corner of the great veil'.

But Schrodinger wanted to express the wave as a continuous function, which is counter to the understanding of quantum phenomena at the time, and this became one of the bones of contention between himself and Heisenberg.

Specifically, by taking this approach, Schrodinger wanted to relate the wave function back to classical physics. But, in so doing, he only served to highlight the very real discontinuity between classical physics and quantum mechanics that Heisenberg had already demonstrated. Schrodinger despaired over this apparent failure, yet his equation became the centrepiece of quantum theory.

Getting back to Schrodinger's equation, the 2 terms I will focus on are the left hand term and the kinetic energy term on the right hand side. V (the potential energy) is a term that is not deconstructed.

The kinetic energy term is the easiest to grasp because we can partly derive it from Newtonian mechanics, in spite of the h term.

In Newtonian classical physics we know that (kinetic energy) $E = \frac{1}{2} mv^2$

We also know that (momentum) $p = mv$

It is easy to see that $p^2 = (mv)^2$ therefore $E = p^2/2m$

In quantum wave mechanics the quantum momentum $p_x = -i \hbar d/dx$

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But how to derive quantum momentum p_x ?

Basically the wave function, which exploits Euler's famous equation, using complex algebra (imaginary numbers) is expressed thus:

$$\Psi(x, t) = Ae^{i(kx - \omega t)}$$

If one differentiates this equation wrt (with respect to) x we get $ikAei(kx - \omega t)$, which is $ik\Psi$. If we differentiate it again we get $d^2/dx^2\Psi = (ik)^2\Psi$.

Now k is related to wavelength (λ) by 2π such that $k = 2\pi/\lambda$.

And from Planck's equation ($E = hf$) and the fact that (for light) $c = f \lambda$ we can get a relationship between momentum (p) and λ . If $p = mc$ and $E = mc^2$, then $p = E/c$. Therefore $p = hf/f \lambda$ which gives $p = h/\lambda$, effectively the momentum version of Planck's equation. Note that p is related to wavelength (space) and E is related to frequency (time).

This then is the quantum equation for momentum based on h (Planck's constant) and λ . And, of course, according to Louis de Broglie, particles as well as light can have wavelengths.

And if we substitute $2\pi/k$ for λ we get $p = hk/2\pi$ which can be reformulated as $k = p/\hbar$ where $\hbar = h/2\pi$.

And substituting this in $(ik)^2$ we get $-(p/\hbar)^2 \quad \{i^2 = -1\}$

So $d^2/dx^2 \Psi = -(p_x/\hbar)^2 \Psi$ or $p_x^2 = -\hbar^2 d^2/dx^2$ (which is inserted into the Time Dependent Schrodinger Equation, above).

Now let's go back to where I stopped : $p_x = -i \hbar d/dx$

(Remember $(-i)^2 = -1 = i^2$ because $-1 \times -1 = 1$)

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So $p_x^2 = -\hbar^2 d^2/dx^2$ therefore $E = -\hbar^2/2m d^2/dx^2$

Which is the kinetic energy term on the right hand side of Schrodinger's equation (without the Laplacian operator).

The term on the left hand side is the key to Schrodinger's equation because it gives the wave function in time, which was what Schrodinger was trying to derive.

But to understand it one must employ Euler's famous equation, which exploits complex algebra. In classical physics, wave equations do not use complex algebra (using the imaginary number, i).

$$e^{ix} = \cos x + i \sin x$$

This equation allows one to convert from Cartesian coordinates to polar coordinates and back, only the y axis one finds in Cartesian coordinates is replaced by the i axis and the corresponding diagram is called an Argand diagram.

In Schrodinger's equation the wave function is expressed thus

$$\Psi(x, t) = Ae^{i(kx - \omega t)}$$

where A is the wave amplitude.

If one differentiates this equation, wrt (with respect to) the term t , we get the left hand term in his equation.

Differentiating an exponential function (to base e) gives the exponential function and differentiating $i(kx - \omega t)$ wrt t gives $-i\omega$. So the complete differentiated equation becomes

$$\partial\Psi/\partial t = -i\omega\Psi$$

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Multiplying both sides by $i\hbar$ gives $i\hbar \partial\Psi/\partial t = \hbar \omega\Psi$

But from much earlier I foreshadowed that $\hbar \omega = E$

So $i\hbar \partial\Psi/\partial t = \hbar \omega\Psi = E\Psi$

This gives the left hand term for the famous time dependent Schrodinger wave equation.

$$i\hbar \frac{\partial}{\partial t} \psi = -\frac{\hbar^2}{2m} \nabla^2 \psi + V\psi$$

The simplest expression is given thus:

$$i\hbar \frac{\partial}{\partial t} \Psi = \hat{H}\Psi$$

Annotations in the diagram:
 - i : square root of minus one
 - \hbar : Planck's constant
 - $\frac{\partial}{\partial t}$: rate of change with respect to time
 - Ψ : quantum wavefunction
 - \hat{H} : Hamiltonian operator

Where H is simply the Hamiltonian.

Going back to the classical wave equation, which Schrodinger was attempting to emulate in quantum mechanics, a time dependent equation would give the position of the particle at a particular point in time, knowing what its energy would be from the Hamiltonian. However, in quantum mechanics this is not possible, and Heisenberg pointed out that Schrodinger's equation did not give a position of electrons in orbits or anywhere else. However, Max Born demonstrated, by taking the modulus of the wave function (effectively the amplitude) and squaring it, you could get the probability of the position and this prediction matched experimental results.

This outcome was completely consistent with Heisenberg's uncertainty principle which stated that determining the particle's precise position given its momentum, which can be derived from its energy, is not possible. Schrodinger also demonstrated that his equation was mathematically equivalent to Heisenberg's matrices.

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So Schrodinger's equation effectively didn't tell us anything new but it became the equation of choice because it was conceptually and mathematically simpler to implement than Heisenberg's, plus it became the basis of Dirac's equation that was the next step in the evolution of quantum mechanical physics.

Back in the 1920s when this was happening, there were effectively 2 camps concerning quantum mechanics: one was led by Bohr and Heisenberg and the other was led by Einstein, Schrodinger and de Broglie. Bohr developed his Copenhagen interpretation and that is effectively the standard view of quantum mechanics today.

However, Schrodinger's wave equation is a continuous function and therein lies a paradox, because all quantum phenomena are discrete. The basic principle is that the wave function Ψ permeates all of space and evolves according to Schrodinger's equation. The function Ψ encodes the probability of finding the particle within any given region (as well as probabilities for its momentum, energy and so on). This theory can predict the outcomes of experimental observation with impressive accuracy.

Once an observation is made then the particle is located and all the other probabilities become instantly zero. This is the paradox at the heart of quantum mechanics and it is entailed in Schrodinger's equation. His wave function is both continuous and 'permeates all space' but once a 'measurement' or 'observation' is made the wave function 'collapses' or 'decoheres' into classical physics. Prior to this 'decoherence' or 'collapse' Schrodinger's wave function gives us only probabilities, albeit accurate ones. Schrodinger himself, from correspondence he had with Einstein, created the famous Schrodinger's Cat thought experiment to try and illustrate the philosophical consequences of this so-called 'collapse' of the wave function.

Equations for quantum mechanics can only be expressed in complex algebra (involving the imaginary number, "i") which is a distinct mathematical departure from classical physics. This number "i" opened up a whole new world of mathematics and many mathematical methods were facilitated by it, including Fourier analysis, which allows any periodic phenomenon to be modelled by an infinite series of trigonometric functions. This leads to the Fourier transform which has application to quantum mechanics. Effectively, the Fourier transform, via an integral, allows one to derive a function for t by integrating for dx and finding x by integrating for dt.

But "i" itself is an enigma, because you can't count an "i" number of items the way you can with Real numbers. "i" gives roots to polynomials that don't appear on the Real plane. On an Argand diagram, the i axes (+ and -) are orthogonal to the Real number plane. To quote Elwes: '...our

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human minds are incapable of visualizing the 4-dimensional graph that a complex function demands.' This seems quite apt though in the world of quantum phenomena where the wave function of Schrodinger's equation 'permeates all space' and cannot be determined in the classical physical world prior to a 'measurement'. However, Born showed that by taking the modulus of the wave function and squaring it, we rid ourselves of the imaginary number component and find a probability for its existence in the physical world.

In light of this, I will give Elwes the final word on Schrodinger's equation:

The Schrodinger equation is not limited to the wave functions of single particles, but governs those of larger systems too, including potentially the wave function of the entire universe.

2- The Geedon in a One-Dimensional Box

A- The Geedon data at rest

Mass rest

$$= -2.02620068977460 \times 10^{-13}$$

So Geedon mass at 0.1m/s velocity or let's say at rest is $m_0 = -0.00000000000020262006897746562$ kg

This is the Geedon inertial mass at rest which is NEGATIVE MASS.

E rest

$$E = mc^2$$

$$E = -0.00000000000020262006897746562 \text{ kg} \times (299\,792\,458 \text{ m/s})^2$$

$$E = -18210.58 \text{ Joules}$$

$$= -1.821058 \times 10^4 \text{ Joules}$$

$$-1.1366150522 \times 10^{23} \text{ eV}$$

Momentum at rest

$E = p^2/2m$? so what is p in 0.1 meter/s velocity ?

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$$f = 3.018 \times 10^{-12} \text{ Hertz/s}$$

Let's determine ω from Schrodinger constraint:

$$\hbar\omega = p^2/2m \Rightarrow \omega =$$

$$[(6.62607004 \times 10^{-34}) \times \omega] =$$

$$\frac{(3.67659567128630016 \times 10^{-11})^2}{2 \times (6.75867 \times 10^{-23})}$$

Then,

$$[(6.62607004 \times 10^{-34}) \times \omega] =$$

$$\frac{1.35173557301212 \times 10^{-21}}{1.351734 \times 10^{-22}}$$

Then,

$$[(6.62607004 \times 10^{-34}) \times \omega] = 1.00000116369946 \times 10^{-43}$$

Then,

$$\omega = \frac{1.00000116369946 \times 10^{-43}}{6.62607004 \times 10^{-34}}$$

$$\omega = 1.50919196094018 \times 10^{-78}$$

C- Application

A particle in a 1-dimensional box is a fundamental quantum mechanical approximation describing the translational motion of a single particle confined inside an infinitely deep well from which it cannot escape.

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The Geedon subatomic particle is located inside the human body that we can consider as a well from which the particle can not escape in awakesness state. The only escape possible for the Geedon from the body's space is the 2 states: The asleep state and the death state. In the asleep state the Geedon tunnel the body's energy barrier to be free particle in outer space with short "T" duration until awakesness. The death state is when the Geedon tunnel the body's energy barrier to be free in outer space with long "T" duration until resurrection. In both states the tunneling is caused by energy transfer from photon to Geedon after a Geedon-photon interaction, may be the collision.

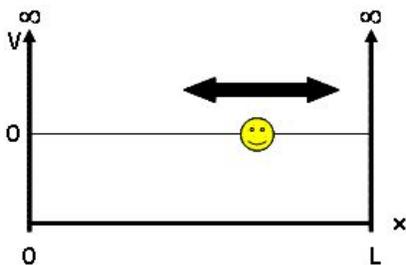
The Geedon in a the body- box space is my application of a quantum mechanical model to a simplified system consisting of a Geedon moving horizontally within the body from which it cannot escape. The solutions to this application give possible values of E that the Geedon can possess. E represents allowed energy values and ψ which when squared gives us the probability of locating the Geedon particle at a certain position within the body at a given energy level.

To solve the problem for the G (Geedon) particle in the body, I will take the body as a 1-dimensional box I will follow these steps :

1. Define the Potential Energy,
2. Solve the Schrödinger Equation,
3. Solve for the wavefunctions ,
4. Solve for the allowed energies V

Step 1: Define the Potential Energy V

The potential energy is 0 inside the box ($V=0$ for $0<x<L$) and goes to infinity at the walls of the box ($V=\infty$ for $x<0$ or $x>L$). We assume the walls have infinite potential energy to ensure that the particle has zero probability of being at the walls or outside the box. Doing so significantly simplifies our later mathematical calculations as we employ these boundary conditions when solving the Schrödinger Equation.



Step 2: Solve the Schrödinger Equation

The time-independent Schrödinger equation for a particle of mass moving in one direction with energy E is

$$-\frac{\hbar^2}{2m} \frac{d^2\psi(x)}{dx^2} + V(x)\psi(x) = E\psi(x)$$

- with \hbar is the reduced Planck constant where $\hbar = h/2\pi$.
- m is the mass of the particle.
- $\psi(x)$ is the stationary time-independent wavefunction.
- V(x) is the potential energy as a function of position.
- E is the energy, a real number.

This equation can be modified for a particle of mass m free to move parallel to the x-axis with zero potential energy ($V = 0$ everywhere) resulting in the quantum mechanical description of free motion in one dimension:

$$-\frac{\hbar^2}{2m} \frac{d^2\psi(x)}{dx^2} = E\psi(x)$$

This equation has been well studied and gives a general solution of:

$\psi(x) = A \sin(kx) + B \cos(kx)$ where A, B, and k are constants.

$\psi(x) = 1 \sin 3.48647568702121 \times 10^{-44} + 0 \cos 3.48647568702121 \times 10^{-44}$

$\psi(x) = 0$ "zero"

$\psi(x) = 1$ if B = 1

$\psi(x) = 1000$ if B = 1000

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Step 3: Define the Wavefunction

The solution to the Schrödinger equation we found above is the general solution for a 1-dimensional system. We now need to apply our boundary conditions to find the solution to our particular system. According to our boundary conditions, the probability of finding the particle at $x = 0$ $x = L$ is zero. When $x = 0$, then $\sin(0) = 0$ and $\cos(0) = 1$; therefore, must or equal 0 to fulfill this boundary condition giving:

$$\psi(x) = A \sin(kx)$$

$$1 \sin 3.48647568702121 \times 10^{-44} = 0$$

$$0^2 = 0$$

We can now solve for our constants (A and K) systematically to define the wavefunction.

Solving K :

Differentiate the wavefunction with respect to x :

$$\frac{d\psi}{dx} = kA \cos(kx)$$

Differentiate the wavefunction again with respect to : x

$$\frac{d^2\psi}{dx^2} = -k^2 A \sin(kx)$$

Since $\psi(x) = A \sin(kx)$, then

$$\frac{d^2\psi}{dx^2} = -k^2 \psi$$

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$$0 = A \sin \left(\frac{8\pi^2 m E}{h^2} \right)^{1/2} L$$

This is only true when

$$\left(\frac{8\pi^2 m E}{h^2} \right)^{1/2} L = n\pi$$

where Plugging this back in gives us:

$n = 1, 2, 3, \dots$

$$\psi = A \sin \frac{n\pi}{L} x$$

To determine A , recall that the total probability of finding the particle inside the body is 1, meaning there is no probability of it being outside the body. When we find the probability and set it equal to 1, we are normalizing the wave function.

$$\int_0^L \psi^2 dx = 1$$

For our system, the normalization looks like:

$$A^2 \int_0^L \sin^2 \left(\frac{n\pi}{L} \right) x dx = 1$$

Using the solution for this integral from an integral table, we find our normalization constant, A :

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$$A = \sqrt{\frac{2}{L}}$$

let's suggest that L is the high of a human body which is 2 meters.

$$A = \sqrt{2/2} = \sqrt{1} = 1$$

$$A = 1$$

Which results in the normalized wavefunctions for a particle in a 1-dimensional box:

$$\psi_n = \sqrt{\frac{2}{L}} \sin \frac{n\pi}{L} x$$

where $n = 1, 2, 3, \dots$

$$\underline{\text{If } n = 1}$$

$$\psi_1 = 1 \sin \frac{1 \times 3.14 x}{2}$$

$$\psi_1 = 0.02738795492672 x$$

The probability of finding Geedon on level 1 is
 $(0.02738795492672)^2 = 0,00075$ or probability 0.075%

$$\underline{\text{If } n = 2}$$

$$\psi_2 = 1 \sin \frac{2 \times 3.14 x}{2}$$

$$\psi_2 = 0.05477590985343 x$$

The probability of finding Geedon on level 2 is

$$(0.05477590985343)^2 = 0,0030 \text{ or Probability } 0,30\%$$

$$\underline{\text{If } n = 3}$$

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$$\psi_3 = 1 \sin \frac{3 \times 3.14 x}{2}$$

$$\psi_3 = 0.08211245341965 x$$

$$(0.08211245341965)^2 = 0,0067 \text{ or Probability } 0.67\%$$

Note here that the Geedon has more probability to be in upper level of the body on x axis. So there more probability to be located around the heart.

Step 4: Determine the Allowed Energies

Solving for the energy of each requires substituting Equation

$$\psi_n = \sqrt{\frac{2}{L}} \sin \frac{n\pi}{L} x$$

Into equation

$$-\frac{\hbar^2}{2m} \frac{d^2 \psi(x)}{dx^2} = E \psi(x)$$

To get the allowed energies for a particle in a box:

$$E_n = \frac{n^2 h^2}{8mL^2}$$

This equation is a very important result and tells us that:

1. The energy of a particle is quantized.

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2. The lowest possible energy of a particle is NOT zero. This is called the zero-point energy and means the particle can never be at rest because it always has some kinetic energy.

This is also consistent with the Heisenberg Uncertainty Principle: if the particle had zero energy, we would know where it was in both space and time.

What is the ΔE between the $n=4$ and $n=5$ states for the Geedon trapped within the one-dimension body of length 2 meters ?

Since this is a one-dimensional particle in a box problem, the particle has only kinetic energy ($V = 0$), so the permitted energies are:

$$E_n = \frac{n^2 h^2}{8mL^2}$$

With $n = 1, 2 \dots n$

The energy difference between $n=4$ and $n=5$ is then $\Delta E = E_5 - E_4 =$

$$E_5 = \frac{5^2 \times (6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23} \times 2^2} -$$

$$E_4 = \frac{4^2 \times (6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23} \times 2^2}$$

$$E_5 = (5.0750559298956 \times 10^{-87}) -$$

$$E_4 (3.24803579513319 \times 10^{-87})$$

$$= 1.82702013476241 \times 10^{-87}$$

Let's calculate energy at level 1

$$E_1 = \frac{1^2 \times (6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23} \times 2^2}$$

$$2.03002237195824 \times 10^{-88}$$

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Let's calculate energy at level 2

$$E_2 = \frac{2^2 \times (6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23} \times 2^2}$$

$$\frac{1.75619216699942 \times 10^{-66}}{2.1627744 \times 10^{-21}}$$

$$8.12008948783294 \times 10^{-88}$$

Let's calculate energy at level 3

$$E_3 = \frac{3^2 \times (6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23} \times 2^2}$$

$$1.82702013476241 \times 10^{-87}$$

Let's calculate energy at level 4

$$E_4 = \frac{4^2 \times (6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23} \times 2^2}$$

$$3.24803579513319 \times 10^{-87}$$

Let's calculate energy at level 5

$$E_5 = \frac{5^2 \times (6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23} \times 2^2}$$

$$5.0750559298956 \times 10^{-87}$$

Let's calculate energy at level 7

$$E_7 = \frac{7^2 \times (6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23} \times 2^2}$$

$$9.94710962259536 \times 10^{-87}$$

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Let's calculate energy at level 10

$$E_{10} = \frac{10^2 \times (6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23} \times 2^2}$$

$$2.03002237195824 \times 10^{-86}$$

The conclusion of all these calculations on geedon position and energy inside the body-box is that the higher level we go the more energy Geedon has and the higher we go in levels the more probability the position of the Geedon to be. All this combined reinforce my idea that Geedon may be continuously moving from atom to atom all over the body-box and when it arrives the center mass of the body (Thorax where the heart is located also), it orbits the center of mass. If all my interpretation is false, we have lost nothing, on the contrary, we have won the elimination of this area and avenue of research.

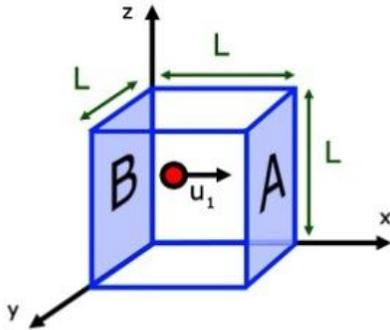
Important Facts to Learn from the Particle in the Box :

- 1- The energy of a particle is quantized. This means it can only take on discrete energy values.
- 2- The lowest possible energy for a particle is NOT zero (even at 0 K). This means the particle always has some kinetic energy.
- 3- The square of the wavefunction is related to the probability of finding the particle in a specific position for a given energy level.
- 4- The probability changes with increasing energy of the particle and depends on the position in the body you are attempting to define the energy for.

3- The Geedon in 3-dimensional box

The quantum particle in the 1D box problem can be expanded to consider a particle within a higher dimensions. Here we continue the expansion into a particle trapped in a 3D box with three lengths L_x , L_y and L_z . As with the other systems, there is NO FORCE (i.e., no potential) acting on the particle trapped in the box:

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Now we can add all the energies together to get the total energy: $E = \epsilon_x + \epsilon_y + \epsilon_z$

Notice the similarity between the energies a particle in a 3D box (Equation) and a 1D box. Since this is a three-dimensional particle in a box problem, the particle has only kinetic energy ($V = 0$), so the permitted energies are:

$$E_{n_x, n_y, n_z} = \frac{h^2}{8m} \left(\frac{n_x^2}{L_x^2} + \frac{n_y^2}{L_y^2} + \frac{n_z^2}{L_z^2} \right)$$

The human body is three dimensional space with $L_x \neq L_y \neq L_z$.

The length of the body L_x (0.5m) and the width L_y (0.2m) correspond to the horizontal dimension. On the other hand, the height L_z (2m) refers to the vertical dimension.

With $n = 1, 2 \dots n$

Let's pick $n = 7$ for all dimensions x, y and z .

$$\frac{(6.62607004 \times 10^{-34})^2}{8 \times 6.75867 \times 10^{-23}} \times \left(\frac{7^2}{0.5^2} + \frac{7^2}{0.2^2} + \frac{7^2}{2^2} \right)$$

$$\left(\frac{4.39048041749856 \times 10^{-67}}{5.406936 \times 10^{-22}} \right) \times$$

$$(196 + 1225 + 12.25) =$$

$$(8.12008948783296 \times 10^{-90}) \times 196$$

+

$$(8.12008948783296 \times 10^{-90}) \times 1225$$

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$$\begin{aligned}
 &+ \\
 &(8.12008948783296 \times 10^{-90}) \times 12,25 \\
 &=
 \end{aligned}$$

$$1.59153753961526 \times 10^{-87}$$

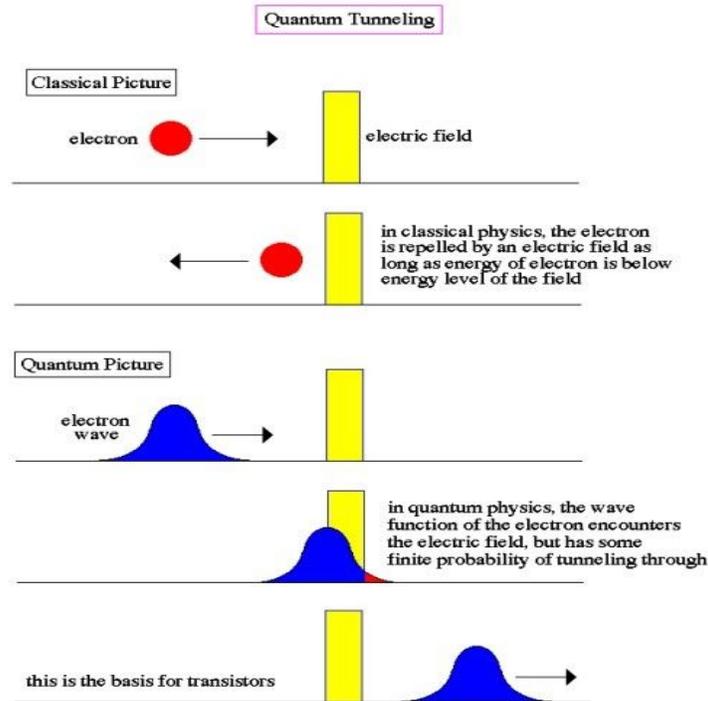
$$\begin{aligned}
 &+ \\
 &9.94710962259538 \times 10^{-87} \\
 &+ \\
 &9.94710962259538 \times 10^{-89} \\
 &=
 \end{aligned}$$

1.16381182584366 × 10⁻⁸⁶ permitted energy

One of the consequences of Geedon particle having a wave-like aspect is exemplified by its apparent ability to jump gaps. For example, photon light penetrating through a block of glass at a shallow angle is effectively trapped within the glass by the barrier of air at the far side, unless a second glass block is placed close to it (but not touching). Because of the spread-out nature of the wave, some of it penetrates the air barrier and if encounters more glass beyond it can continue, thus apparently jumping the air gap and escaping its prison.

This escape the photon does, using a process known as quantum tunneling, which makes use of the wave-like aspect of the particles, but also of a more general phenomenon known as "uncertainty".

Due to the wave-like aspect of particles, and the ability to describe an object by means of a probability wave, as I have said, quantum physics predicts that there is a finite probability that an object trapped behind a barrier (without the energy to overcome the barrier) may at times appear on the other side of the barrier, without actually overcoming it or breaking it down. For instance, if an electron approaches an electric field and is repelled by it, there is nevertheless some probability, however small, that it will find itself on the other side of the field as the below image shows:



Does the Geedon has the photon as antiparticle ?

In particle physics, every type of particle has an associated antiparticle with the same mass but with opposite physical charges (such as electric charge). For example, the antiparticle of the electron is the antielectron (which is often referred to as positron). While the electron has a negative electric charge, the positron has a positive electric charge, and is produced naturally in certain types of radioactive decay. The opposite is also true: the antiparticle of the positron is the electron.

Some particles, such as the photon, are their own antiparticle. Otherwise, for each pair of antiparticle partners, one is designated as normal matter (the kind all matter usually interacted with is made of), and the other (usually given the prefix "anti-") as antimatter.

Photon energy is the energy carried by a single photon. The amount of energy is directly proportional to the photon's electromagnetic frequency and thus, equivalently, is inversely proportional to the wavelength. The higher the photon's frequency, the higher its energy. Equivalently, the longer the photon's wavelength, the lower its energy.

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Photon energy can be expressed using any unit of energy. Among the units commonly used to denote photon energy are the electronvolt (eV) and the joule (as well as its multiples, such as the microjoule). As one joule equals 6.24×10^{18} eV, the larger units may be more useful in denoting the energy of photons with higher frequency and higher energy, such as gamma rays, as opposed to lower energy photons, such as those in the radio frequency region of the electromagnetic spectrum.

I already calculated the Geedon relativistic mass and relativistic energy and velocity. it's true that photons have different energy quantities depending on its frequency and electromagnetic spectrum and the photon has the same spin number as Geedon But they don't have the same mass and the same opposite values of physical charges. For all these reasons I don't think that Photon is the antiparticle of the Geedon.

According to my calculation and comparison between Geedon and photon, we note that there are differences. And according to the scientific rule that particle and antiparticle have to have the same mass and spin number and opposite charges but the photon and Geedon don't have all these specifications shared.

Thought, according to quran there is definitely **interactions** between Geedon and photon during revelations and during death experiences and many other experiences where God assisted humans believers by angels in their wars or other events. The quran is full of events of interactions between Geedon and photons.

III- The Geedon-Photon interactions

1 - Verses of interactions

A- Interaction in shaping and ensoulment

Verse 6 surah Al-Imraan

"هُوَ الَّذِي يُصَوِّرُكُمْ فِي الْأَرْحَامِ كَيْفَ يَشَاءُ لَا إِلَهَ إِلَّا هُوَ الْعَزِيزُ الْحَكِيمُ"

6-"It is He who forms you in the wombs however He wills. There is no deity except Him, the Exalted in Might, the Wise."

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B- Interaction by revelation

Verse 75 surah Al-hajj :

"اللَّهُ يَصْطَفِي مِنَ الْمَلَائِكَةِ رُسُلًا وَمِنَ النَّاسِ إِنَّ اللَّهَ سَمِيعٌ بَصِيرٌ"

75- "Allah chooses from the angels messengers and from the people. Indeed, Allah is Hearing and Seeing."

Verse 97 surah Al-baqara:

"قُلْ مَنْ كَانَ عَدُوًّا لِجِبْرِيلَ فَإِنَّهُ نَزَّلَهُ عَلَى قَلْبِكَ بِإِذْنِ اللَّهِ مُصَدِّقًا لِمَا بَيْنَ يَدَيْهِ وَهُدًى وَبُشْرَى لِلْمُؤْمِنِينَ"

97-"Say, "Whoever is an enemy to Gabriel - it is [none but] he who has brought the Qur'an down upon your heart, [O Muhammad], by permission of Allah, confirming that which was before it and as guidance and good tidings for the believers."

C- Interaction of assistance and surveillance

Verse 125 surah Aal-i-Imraan

"بَلَىٰ إِنَّ تَصْبِرُوا وَتَتَّقُوا وَيَأْتُوكُم مِّن فَوْرِهِمْ هَٰذَا يُمْدِدْكُمْ رَبُّكُمْ بِخَمْسَةِ آلَافٍ مِّنَ الْمَلَائِكَةِ مُسَوِّمِينَ"

125- "Yes, if you remain patient and conscious of Allah and the enemy come upon you [attacking] in rage, your Lord will reinforce you with five thousand angels having marks [of distinction]"

Verse 18 surah Qaaf:

"مَا يَلْفُظُ مِنْ قَوْلٍ إِلَّا لَدَيْهِ رَقِيبٌ عَتِيدٌ"

18-"Man does not utter any word except that with him is an observer prepared [to record]."

D- Interaction of protection

Verse 61 surah Al-Ana-am

«وَيُرْسِلُ عَلَيْكُمْ حَفَظَةً» سورة الأنعام: آية 61.

Verse 5 surah As-shura

"تَكَادُ السَّمَاوَاتُ يَنْفَطَّرْنَ مِنْ فَوْقِهِنَّ وَالْمَلَائِكَةُ يُسَبِّحُونَ بِحَمْدِ رَبِّهِمْ وَيَسْتَغْفِرُونَ لِمَنْ فِي الْأَرْضِ إِلَّا إِنْ أَرَادَ اللَّهُ هُوَ الْغُفُورُ الرَّحِيمُ"

5-"The heavens almost break from above them, and the angels exalt [Allah] with praise of their Lord and ask forgiveness for those on earth. Unquestionably, it is Allah who is the Forgiving, the Merciful."

E- Interaction of body-soul separation "Transmission"

Verse 11 surah Al-sajda:

"قُلْ يَتَوَفَّاكُم مَلَكُ الْمَوْتِ الَّذِي وُكِّلَ بِكُمْ ثُمَّ إِلَىٰ رَبِّكُمْ تُرْجَعُونَ" سورة السجدة: آية 11.

11-"Say, "The angel of death will take you who has been entrusted with you. Then to your Lord you will be returned."

In this body-soul separation reaction can be interpreted by the body as a potential barrier that the Geedon (soul) can not overcome without the interaction with the photon which it results the quantum tunneling. It means human soul cannot overcome the body energy barrier to be out of it. The interaction between the Geedon and photon causes the tunnelling effect to occur.

Potential Barrier is the spatially bounded region of high potential energy of a particle in a field of force on both sides of which the potential energy decreases quite abruptly. The potential barrier corresponds to the repulsive force.

A potential barrier of simple form is illustrated (in Figure 1 below) for the case of linear motion of a particle along the x-axis. When $x = x_0$, the potential energy $V(x)$ assumes a maximum value V_0 , which is called the height of the potential barrier. A potential barrier divides space into two regions (I and II), in which the potential energy of the particle is less than that in the region (III) within the potential barrier.

In classical mechanics, the passage of a particle through a potential barrier is possible only when the particle's total energy \mathcal{E} —kinetic energy plus potential energy—exceeds the height of the barrier, that is, when $\mathcal{E} \geq V_0$. If, however, the energy of the particle is insufficient to surmount the barrier, $\mathcal{E} < V_0$, then the particle, moving from left to right, stops upon reaching the barrier at x_i

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and moves in the opposite direction. The potential barrier is a sort of opaque wall or barrier, hence its name, for particles with energy less than its height.

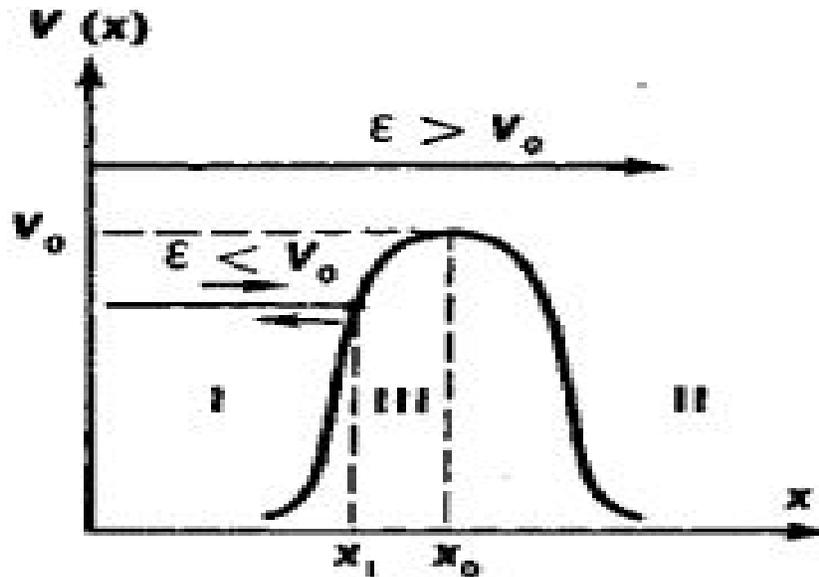


Figure 1

In quantum mechanics, in contrast to classical mechanics, the passage of particles with energy less than V_0 through the potential barrier is possible. This phenomenon is called the tunnel effect. It also happens that particles with energy greater than V_0 are sometimes reflected from the barrier. These peculiarities of the behavior of particles in quantum physics are directly related to the wave-corpucle nature of subatomic particles. The tunnel effect is significant only in systems having microscopic dimensions and masses. The narrower the potential barrier and the smaller the difference between the height of the barrier and the total energy of the particle, the greater the probability of tunneling.

We noticed that Photon-Geedon interactions are multiple. Since these interactions are so many, I have reasonable motive to think that Geedon-Photon collision is the cause of the geedon tunnelling in the death experience.

In particle physics, every type of particle has an associated antiparticle with the same mass and spin number but with opposite physical charges (such as electric charge). For example, the antiparticle of the electron is the antielectron (which is often referred to as positron). While the electron has a negative electric charge, the positron has a positive electric charge, and is

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produced naturally in certain types of radioactive decay. The opposite is also true: the antiparticle of the positron is the electron. For these reasons I don't think that the photon is the antiparticle of the Geedon, although they have the same spin number 1, they don't have the same mass. The Geedon according to my calculation does not have the same mass as photon. The photon's mass is $< 1 \times 10^{-18} \text{ eV}/c^2$, it means $< 1.7826619999999913 \times 10^{-54} \text{ kg}$.

Hence, photon's mass is > than Geedon's mass that is negative

$-2.02620068977460 \times 10^{-13}$

Furthermore, we don't have exactly the electrical charge of the Geedon. The interactions in quran between Geedon and photon looks like collision.

I have to admit that the interaction is true fact but my calculations and current scientific rule don't confirm particle-antiparticle interaction. This problem needs to be solved by muslim physicists and mathematicians. From all the examples cited, we notice that there is always energy transfer from photon to Geedon in all the interactions.

Let's try to understand deeper the nature of the Photon-Geedon interaction.

2 - Electromagnetism

So far, science has discovered four fundamental interactions between particles, and all forces in the world can be attributed to these four interactions.

So how do particles interact?

The particles can interact without physical contact, like two magnets attract or repel because of the magnetism and the sun attract the earth on distance because of the gravity.

Magnetism and gravity are forces spread through a space that makes a "field" that act between two particles (magnetic field, gravity field).

Electromagnetism studies of the electromagnetic force, a type of physical interaction that occurs between electrically charged particles. The electromagnetic force is carried by electromagnetic fields composed of electric fields and magnetic fields, and it is responsible for electromagnetic radiation such as light. It is one of the four fundamental interactions (commonly called forces)

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In quantum field theory, **force carriers** or **messenger particles** or **intermediate particles** are particles that give rise to forces (Exp: magnetic force) between other particles. These messenger particles are bundles of energy (quanta) of a particular kind of field. There is one kind of field for every type of elementary particle. For instance, there is an electromagnetic field whose quanta are photons. The force carrier particles (like photon) that mediate the electromagnetic interaction (commonly called force) are called gauge bosons.

This quantum view of the photon as particle messenger between two other particle does not fit with my reflection about photon-Geedon interaction, because it suppose the existence of a three parts:

- 1-particle sender (Who?),
- 2-particle carrier (Photon as angels),
- 3-particle receiver (Geedon human soul).

This distribution does not match my idea that is founded on 2 parties interaction, Photon-Geedon. We can not take EXALTED God as a particle sender in three parties interaction.

There are two viewpoint of the force carrier- messenger:

A- The first :Particle and field

A force between two particles can be described either as the action of a **force field generated by one particle on the other**, **Or** in terms of the **exchange of virtual particle that carry force between them**.

In both cases here, of the field (real particle messenger) or virtual particle messenger, the third party exists which is contrary to my idea that am trying to prove.

My idea is to set the photon as "particle-part" in the interaction directly with the Geedon, not as "particle-messenger" between the Geedon and a third particle.

So the idea that says : " the energy of a wave in a field (for example, electromagnetic waves in the electromagnetic field) is quantized, and the quantum excitations of the field can be interpreted as particles. Photons are the excitation of the electromagnetic field." is not convenient with my idea.

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The following idea : "It is thought also that there may be particles called gravitons which are the excitations of gravitational waves and is the cause of the gravitational force between planets." is not convenient with my idea.

So gravitational field = field of gravitons particles that link two different planets.

And magnetic field = field of photons particles, that link two different particles"

Consequently, I don't adhere to this viewpoint of the force carrier- messenger.

B- Second: Forces from the particle viewpoint

When one particle scatters off another particle, altering its trajectory, there are two ways to think about the process. In the field picture, we imagine that the field generated by one particle caused a force on the other.

Alternatively, we can imagine one particle emitting a virtual particle which is absorbed by the other. The virtual particle transfers momentum from one particle to the other. This is the particle viewpoint

Another example involving virtual particles is beta decay where a virtual W boson is emitted by a nucleon and then decays to e^{\pm} and (anti) neutrino.

The description of forces in terms of virtual particles is limited by the applicability of the perturbation theory from which it is derived.

This concept can apply to the verses of "Angels photon"- "human Geedon" interactions if we interpret it as the photon produces a field that exerts a force on the Geedon or the photon is sending virtual particle to Geedon that transfers to the Geedon the momentum and increases kinetic energy. But I will be more exploring the collision interaction that can be the right one.

3 - Photon-Geedon collision

This is the final hypothesis that support the best my idea and has more probability to be true and explain all interactions between the Geedon "Humans" and photon "Angels".

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The Geedon is never in rest as I analysed it before. But it still has a negative mass if its speed is $<$ light speed, then has zero mass when it reaches the light speed. Actually we don't know exactly when the speed increase or decrease for the translational motion between atoms of the body and for the rotational speed in the thorax area around the body's center of mass.

It's theoretically negative mass at rest is the smallest mass possible of the Geedon. This mass₀, we can suppose that it is subject to collision exerted on it by a photon which cause transfer of energy and momentum from photon to Geedon and make dome calculation.

The rotational motion and translational motion inside the body that is supposed to be related to "being alive" must be constant and no subject to any interaction with photon"angel" except in death.

The translational motion which is supposed to be related to life achievement that can be mixed with vibrational motion that is supposed to be related to religious achievements; both can be subject to energy increase or decrease after a photon collision or a satan interaction with the Geedon.

In death experience, the energy gained by the Geedon make it tunnelling the body potential barrier and escape from body space to travel through other spaces with higher velocity for long time duration "death". Away from death experience, that energy gained can also cause the Geedon to travel with higher velocity to explore the future and past time and have informations for a short time duration "Dreams state" or " Extrasensory perception ESP in awakesness state"

This collision that causes energy and momentum transfer from photon to Geedon can be repetitive until the Geedon mass increases from negative to zero and the positive very negligible photon mass decreases until it reaches zero. Both zero mass particles-pair can travel faster than light through the past.

This travel through the past was expressed in verse 4 surah Al-Ma'arij:

"تَعْرُجُ الْمَلَائِكَةُ وَالرُّوحُ إِلَيْهِ فِي يَوْمٍ كَانَ مِقْدَارُهُ خَمْسِينَ أَلْفَ سَنَةٍ"

4-"The angels and the Spirit will ascend to Him during a Day the extent of which is fifty thousand years."

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It means that in order for the soul "Geedon" and angel "photon" to ascend to God, need to travel to past. Actually it's true that this travel is to the past but only according to our time reference, because we are returning our time backwards. But for God, he is out of spacetime. Travelling to our past time, brings us to the start-point where there was no spacetime. No spacetime means infinity and that prove that God is infinite.

In an elastic collision, the internal energy of the objects in the system does not change: $\Delta E_{\text{int}} = 0$. Since no kinetic energy is converted to E_{int} , in an elastic collision $K_f = K_i$. In any collision $\vec{p}_f = \vec{p}_i$, because external forces are negligible.

We call a collision "inelastic" if it isn't elastic; that is, there is some change in the internal energy of the colliding objects. They get hot, or deform, or rotate, or vibrate, and so on like the Geedon more vibration and translation motions.

In an inelastic collision, the internal energy of the objects in the system changes: $\Delta E_{\text{int}} \neq 0$. Since some kinetic energy is converted to internal energy, in an inelastic collision $K_f \neq K_i$. In any collision $\vec{p}_f = \vec{p}_i$, because external forces are negligible.

When deciding whether or not it is reasonable to treat a collision as approximately elastic, one can look for indications of inelasticity, such as:

- Objects are stuck together after the collision.
- An object is deformed after the collision.
- Objects are hotter after the collision.
- There is more vibration or rotation after the collision.
- An object is in an excited state after the collision.

These four characteristics are valid for the Geedon after it collides with a photon or many photons.

In atomic or nuclear collisions, we can't observe in detail the curving trajectories inside the tiny interaction region. We only observe the trajectories before and after the collision, when the particles are far apart and their mutual interaction is very weak, so they are traveling in nearly straight lines. An example of scattering is the collision of an alpha particle (helium nucleus) with the nucleus of a gold atom.

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So I think that photon-Geedon interaction is an inelastic collision. Now, I will try to calculate the collision mathematically with the data I have about G:

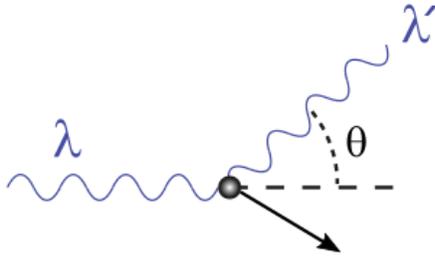


Fig: A photon of wavelength λ comes in from the left, collides with a Geedon at rest, and a new photon of wavelength λ' emerges at an angle θ . The target recoils, carrying away an angle-dependent amount of the incident energy.

In general, the scattering of a photon by a charged particle, it results in a decrease in energy (increase in wavelength) of the photon (which may be an X-ray or gamma ray photon). Part of the energy of the photon is transferred to the recoiling particle. The inverse scattering occurs when a charged particle transfers part of its energy to a photon.

How about many photons "angel" scattered after collision with the Geedon ?

A photon γ with wavelength λ collides with a Geedon G in an atom, which is treated as being at rest. The collision causes the G to recoil at angle of Φ , and a new photon γ' with wavelength λ' emerges at angle θ from the photon's incoming path. Let G' denote the Geedon after the collision. it is allowed the possibility that the interaction would sometimes accelerate the Geedon to speeds sufficiently close to the velocity of light as to require the application of special relativity theory to properly describe its energy and momentum.

In modern experiments it is conventional to measure the energies, of the scattered photons. For a given incident energy $E_\gamma = hc/\lambda$. The outgoing final-state photon energy after colliding with a Geedon, $E_{\gamma'}$ is given by:

$$E_{\gamma'} = E_\gamma \div [1 + (E_\gamma \div M_G c^2) (1 - \cos \theta)]$$

where:

- λ is the initial wavelength of photon,
- λ' is the wavelength after scattering,
- h is the Planck constant,
- M_G is the Geedon rest mass,

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- c is the speed of light,
- θ is the scattering angle of the photon,
- Φ is the scattering angle of the Geedon.

The quantity $h/M_G c$ is the compton wavelength of the Geedon; it is equal to -1.09×10^{-39} m. The wavelength shift $\lambda' - \lambda$ is at least zero (for $\theta = 0^\circ$) and at most twice the wavelength of the Geedon (for $\theta = 180^\circ$).

The conservation of energy E merely equates the sum of energies before and after scattering.

$$E_\gamma + E_G = E_{\gamma'} + E_{G'}$$

The photon energies are related to the frequencies by

$$E_\gamma = hf$$

$$E_{\gamma'} = hf'$$

Before the scattering event, the Geedon is treated as sufficiently close to being at rest that its total energy consists entirely of the mass-energy equivalence of its (rest) mass M_G

$$E_G = M_G c^2$$

$$E_G = -18210.58 \text{ Joules}$$

$$= -1.821058 \times 10^4 \text{ Joules}$$

$$-1.1366150522 \times 10^{23} \text{ eV}$$

After scattering, the possibility that the Geedon might be accelerated to a significant fraction of the speed of light, requires that its total energy be represented using the relativistic energy–momentum relation:

$$E_G = \sqrt{(p_G \times c)^2 + (M_G c^2)^2}$$

$$E_G = \sqrt{[(8.59 \times 10^{-5}) \times (3 \times 10^8)]^2 + (-1.821058 \times 10^4)^2}$$

$$E_G = \sqrt{0.00020025403741}$$

$$E_G = 0.01415111435223$$

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Substituting these quantities into the expression for the conservation of energy gives:

$$hf + M_G c^2 = hf' + \sqrt{(p_G \times c)^2 + (M_G c^2)^2}$$

So

$$hf + (-1.821058 \times 10^4) = hf' + 0.01415$$

So

$$(6.63 \times 10^{-34} \times f) + (-1.821058 \times 10^4) =$$

$$[(6.63 \times 10^{-34} \times f) + 0.01415]$$

So

$$(f - 1.821058 \times 10^4) = (f' + 0.01415)$$

The Geedon can be scattered many times by many photons of the same angle in continuous interaction till both they become 0 mass and travel faster than light. This velocity increase is also accompanied by momentum and energy increase. All these increases allow the Geedon to travel through past.

Example:

A 0.100 nanometers photon strikes a free Geedon and knocks it into the forward direction, the rebounding photon recoils directly backward.

I will use the conservation of relativistic energy and momentum to determine:

- 1) The wavelength of the recoiling photon.
- 2) Kinetic energy of the Geedon

The wavelength of the recoiling photon.

$$\lambda' - \lambda = h/m_G c (1 - \cos\theta)$$

Where:

λ' = wavelength of recoiling photon

λ = initial wavelength of photon

(0.100 nanometers = 0.100×10^{-9} meters)

h = planck constant 6.63×10^{-34} m² kg / s

m_G = mass of the Geedon =

$$-2.02620068977460 \times 10^{-13}$$

c = speed of light 299 792 458 m / s

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$$0.100 \times 10^{-9}$$

$$\frac{[(6.63 \times 10^{-34}) \times (3 \times 10^8)]}{2.181 \times 10^{-49}}$$

So

$$KE_G = \underline{1.989 \times 10^{-33}}$$

$$9.11966987620358 \times 10^{-75}$$

$$KE_G = 2.181 \times 10^{-109}$$

This is the energy of Geedon after the collision, 2.181×10^{-109} and the geedon rest energy according to $E=mc^2$ is $E = -1.821058 \times 10^4$ Joules ($-1.1366150522 \times 10^{23}$ eV). It means that there is increase in the Geedon energy after collision.

This exercise make it clear for us that Geedon after collision with photon, both gain more energy. This goes in concordance with the verse 4 surah Al-Ma'arij that states both photon and Geedon are traveling together at the same maximum speed which we already calculated it to 543981481481 m/s.

"تَعْرُجُ الْمَلَائِكَةُ وَالرُّوحُ إِلَيْهِ فِي يَوْمٍ كَانَ مِقْدَارُهُ خَمْسِينَ أَلْفَ سَنَةٍ"

4-"The angels and the Spirit will ascend to Him during a Day the extent of which is fifty thousand years."

Let's now see if the collision happened to a Geedon with bigger mass will increase the energy of both photon and Geedon. I will verify what collision impact in three Geddon's masses number 5 and 7 below.

1. 0,1 m/s = $-2.0262006897746 \times 10^{-13}$ kg
2. 100000 km/s = -13.5033×10^{-23} kg
3. 170000 km/s = -5.1601×10^{-23} kg
4. 200000 km/s = -3.3723×10^{-23} kg
5. 270000 km/s = -0.7457×10^{-23} kg
6. 299 792 458 m/s = 0 kg
7. 600000 km/s = 3.38167×10^{-23} kg

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8. $700000 \text{ km/s} = 3.86410 \times 10^{-23} \text{ kg}$
9. $271990740740 \text{ m/s} = 6.75122 \times 10^{-23} \text{ kg}$
10. $540000000000 \text{ m/s} = 6.75492 \times 10^{-23} \text{ kg}$
11. $543981481480 \text{ m/s} = 6.75867 \times 10^{-23} \text{ kg}$

The Geedon at 270000 km/s = $-0.7457 \times 10^{-23} \text{ kg}$

The wavelength of the recoiling photon.

we need to solve for λ' :

$$\lambda' - (0.100 \times 10^{-9}) = \frac{6.63 \times 10^{-34}}{(-0.7457 \times 10^{-23}) \times (3 \times 10^8)} \times 2$$

$$\lambda' - (0.100 \times 10^{-9}) = -5.92731661526082 \times 10^{-49}$$

$$\lambda' = 1 \times 10^{-10}$$

Or 0.0000000001 meter , so 0.1 nanometer

Here we note that photon wavelength did not change and then energy did not change.

Kinetic energy of the Geedon

Kinetic energy of the Geedon KE according to conservation energy principle:

$$KE_G = \frac{hc}{\lambda} - \frac{hc}{\lambda'}$$

$$KE_G = hc \times \left(\frac{1}{\lambda} - \frac{1}{\lambda'} \right)$$

So

$$KE_G = \left[\frac{(6.63 \times 10^{-34}) \times (3 \times 10^8)}{0.100 \times 10^{-9}} \right] -$$

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$$\frac{[(6.63 \times 10^{-34}) \times (3 \times 10^8)]}{0.100 \times 10^{-9}}$$

So

$$KE_G = 0$$

Here in this case, if the Geedon is already on speed close to light speed, 270000 km/s = 0.7457×10^{-23} kg and a collision occurs with photon, neither Geedon nor photon changes energy (no increase and no decrease).

I think then the Geedon is susceptible to energy increase as long as its mass and speed are $< 299\,792\,458$ m/s (0 kg).

The Geedon at 600000 km/s = 3.38167×10^{-23} kg

The wavelength of the recoiling photon.

we need to solve for λ' :

$$\lambda' - (0.100 \times 10^{-9}) = \frac{6.63 \times 10^{-34}}{(3.38167 \times 10^{-23}) \times (3 \times 10^8)} \times 2$$

$$\lambda' - (0.100 \times 10^{-9}) = 1.30704651843616 \times 10^{-47}$$

$$\lambda' = 1 \times 10^{-10} \text{m}$$

Or 0.0000000001 meter , so 0.1 nanometer

Here we note that photon wavelength did not change and then energy did not change.

Kinetic energy of the Geedon

Kinetic energy of the Geedon KE according to conservation energy principle:

$$KE_G = \frac{hc}{\lambda} - \frac{hc}{\lambda'}$$

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$$KE_G = hc \times \left(\frac{1}{\lambda} - \frac{1}{\lambda'} \right)$$

So

$$KE_G = \left[\frac{(6.63 \times 10^{-34}) \times (3 \times 10^8)}{0.100 \times 10^{-9}} \right] -$$

$$\left[\frac{(6.63 \times 10^{-34}) \times (3 \times 10^8)}{0.100 \times 10^{-9}} \right]$$

So

$$KE_G = \underline{0}$$

Here in this case, if the Geedon is already on speed twice the light speed, 600000 km/s (3.38167×10^{-23} kg) and a collision occurs with photon, neither Geedon nor photon changes energy (no increase and no decrease).

So my final conclusion is that the Geedon inside the body is always in a motion < light speed with negative mass and when it collides with a photon it speeds up till it gets more mass. To be able to reach its maximum positive mass, it has to collide with more photon energy.

Epilogue

الرُّوحُ

قُلْ لِمَلِكِ الْمَوْتِ إِذَا مَا أَتَاكَ
السَّلَامُ عَلَيْكَ وَرَحْمَةُ اللَّهِ وَبَرَكَاتُهُ

لَا الْجَزَعُ يُنْجِيكَ وَ لَا النَّسِيَانُ أَنْجَاكَ
وَأْمُرْ نَفْسَكَ بِالصَّبْرِ عَلَى الْكَرَاهِيَةِ

مَا أَصْبَحَ أَظْهَرَ وَ الْعَصْرُ أَمْسَاكَ
كَمَا نَفَخْتَ فِيكَ أَخْرَجْنَاهَا سَكْرَاتُهُ

لَا وَزْنَ لَكَ حَتَّى تُتْلَمِسَ الْمَلَكَ
وَ لَا حَجْمَ وَ لَا سُمْكَ دُونَ رَحْمَاتِهِ

وَ إِذَا سَأَلْتَ عَبْدٌ عَنِ الرُّوحِ وَ مَنْ سَوَّكَ
فَقُلْ وَ مَا أُوتِيَتْ مِنَ الْعِلْمِ إِلَّا الْبَدَائِيَهُ

أَمِين

مونتريال في 10 رمضان 2020

Geedon

When Azrael shines his photon
Don't be fearful and don't panic

Night goes in day, days have gone
Nothing about death is so dramatic

Breathed in now, and out anon
Souls have to travel systematic

If no angels, no paradise's won
Relative mass, you're microscopic

Anyone asks you about Geedon
Say, : "all I know is a little basic"

Amine
In montreal 10 ramadan 2020

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