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Time & Distance Definitions In The Solar System Gerges Francis Twadrous

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ABSTRACT

This paper suggests the following theory¹

"For Each Cycle Period In The Solar System There's An Identical Distance Related To This Cycle Period And effects Each Other Mutually"

Examples for explanations

- 1. For the Moon Sidereal Cycle (27.3 days) there's 27.3 millions km as an identical distance, where the Moon Sidereal Cycle (27.3 days) and its identical distance 27.3 millions km effects on each other mutually.
- 2. For Mercury rotation period 58.6 days there's a distance 58 millions km (may be the Mercury Orbit Radius 57.9 millions km).
- 3. For Mercury day degrees 719.7, there are an identical distance equals 719.7 millions km. (may be Mercury / Jupiter distance which equals 720.7 millions km)

This Paper Objectives Are:

1st - To prove "For each Cycle period in the Solar system there's an identical distance"

2nd -To explain Why for each Cycle Period in the Solar system, there's an identical distance? and How can we define a specific distance for specific Cycle?



The Mother Of God Day 29 January 2015 Written in Cairo – Egypt

¹ - I call this theory "The Mirror Theory"

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Planetary Fact Sheet – Metric (The used Data in this paper)

	MERC URY	VEN US	EAR TH	<u>MO</u> <u>ON</u>	MA RS	JUPIT ER	SATU RN	URAN US	NEPTU NE	PLU TO
Mass (10 ²⁴ kg)	0.330	4.87	5.97	0.073	0.642	1898	568	86.8	102	0.0131
Diameter (km	4879	12,10 4	12,756	3475	6792	142,984	120,53	51,118	49,528	2390
Density (kg/m ³)	5427	5243	5514	3340	3933	1326	687	1271	1638	1830
Gravity (m/s ²)	3.7	8.9	9.8	1.6	3.7	23.1	9.0	8.7	11.0	0.6
Escape Velocity (km/s	4.3	10.4	11.2	2.4	5.0	59.5	35.5	21.3	23.5	1.1
Rotation Period (hours)	1407.6	5832.5	23.9	655.7	24.6	9.9	10.7	-17.2	16.1	-153.3
Length of Day (hours)	4222.6	2802. 0	24.0	708.7	24.7	9.9	10.7	17.2	16.1	153.3
Distance from Sun (10 ⁶ km)	57.9	108.2	149.6	0.384	227.9	778.6	1433.5	2872.5	4495.1	5870.0
Perihelion (10 6 km)	46.0	107.5	147.1	0.363	206.6	740.5	1352.6	2741.3	4444.5	4435.0
Aphelion (10 ⁶ km)	69.8	108.9	152.1	0.406	249.2	816.6	1514.5	3003.6	4545.7	7304.3
Orbital Period (days)	88.0	224.7	365.2	27.3	687.0	4331	10,747	30,589	59,800	90,588
Orbital Velocity (km/s)	47.4	35.0	29.8	1.0	24.1	13.1	9.7	6.8	5.4	4.7
Orbital Inclination (d egrees)	7.0	3.4	0.0	5.1	1.9	1.3	2.5	0.8	1.8	17.2
Orbital Eccentricity	0.205	0.007	0.017	0.055	0.094	0.049	0.057	0.046	0.011	0.244
Axial Tilt (degrees	0.01	177.4	23.4	6.7	25.2	3.1	26.7	97.8	28.3	122.5
Mean Temperature	167	464	15	-20	-65	-110	-140	-195	-200	-225
Surface Pressure (bars)	0	92	1	0	0.01	Unkno wn*	Unkno wn*	Unkno wn*	Unknow n*	0
Number of Moons	0	0	1	0	2	67	62	27	14	5
Ring System?	No	No	No	No	No	Yes	Yes	Yes	Yes	No
Global Magnetic Field?	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Unknown

Site / http://nssdc.gsfc.nasa.gov/planetary/factsheet/

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I - Introduction

This theory started from "the Pure coincidences" which are found in the Solar group planets geometries data...

Where the same numbers are found in the solar system to be repeated in many different cases which have no relations or explanations and consider just as "pure Coincidences"

For example,

The moon rotation period is 655.7 days but the distance between Jupiter & Saturn is 655 millions km! that's surely "Pure Coincidence" But few more examples may explain that clearly..

Few Examples

Number 27.3

- 27.3 days is the moon sidereal Period
- 27.3 (moon sidereal Period) * 25.2 (Mars axial tilt) = 687 (Mars orbital period)
- 27.3 (moon sidereal Period) * $(3.66)^2$ (Earth diameter / moon diameter)² = 365.25 days (Earth orbital period)
- Moon diameter is 27.3 % of the Earth Diameter.

Number 116

- 116.8 is Venus Day
- 116 days is Mercury / Earth synodic period
- $116.2 * \Pi = 365.25$ (Earth sidereal year)
- $116*\Pi = 364$ millions km (Mercury orbit circumference)
- 116.8 *5 = 584 Venus / Earth synodic period
- 116.8 days = 175.97 (Mercury day) / (88 Mercury orbital period / 58.6 mercury rotation period)

I provide a short list of the "Solar system geometries pure coincidences" in appendix No.4, which may help us to understand much better how it's very strange to find the similar numbers even with different units are repeated and repeated without explanations, considering just as "pure coincidences"!

The fighting with the solar planets data analysis to understand the reason of such "Pure Coincidences" led us to this theory which I summarize perfectly in the following basic conclusion.

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The Basic Conclusion

"Each Cycle Period In Solar System Has Its Identical Distance, Where The Cycle Period & Its Identical Distance Effect On Each Other Mutually"

i.e.

The planets orbital distances are the <u>Total Additions</u> for all the identical distances related to all Cycles periods in the solar system.

("Cycles Periods" include, the planet rotation period, day length, orbital period & synodic different cycles periods.. etc)

This conclusion tells us the planets orbital distances which we measure are the **TOTAL ADDITIONS** for all the identical Cycles distances

That means the Cycles identical distances <u>are hidden inside these total</u> <u>distances additions</u>, overlapping & Coherence with each other. Where this overlapping & coherence effects on these distances, then these distances effect on their identical Cycles periods which cause the difficulty to define the Cycle period

(For example, It's very hard to define how many seconds in the solar day)

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II- Methods of Research

This research theory claims that

For each Cycle period in the solar system there's an identical distance related to this Cycle period and effects on each other mutually. So

To prove this claims I should

- 1- Define the cycle period and its distance specifically
- 2- Prove how this specific identical distance is related to this specific Cycle
- 3- Then I should try to explain why for each Cycle period there's an identical distance.

So, in following

- The first & second chapters are dedicated for the theory proves
- The third Chapter is dedicated for this theory explanation
- Then in appendices I added more data to support the basic claim

These materials are shown in the contents.

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Chapter one: The Theory Proves

Preface:

Let's study one example in details to understand what this theory tells us and How we can prove that..

We know "The Precession of the Equinoxes Cycle 25920 years"

This is a Cycle...

- The theory tells us this "The Precession of the Equinoxes Cycle 25920 years" **has an identical distance** related to this Cycle and effects on each other mutually!!
- Let's try to find this identical distance...
- We will suppose, there's a distance = 25920 millions km .. it's just supposition has no any support
- How many seconds the light needs to pass through this supposed distance?
- 25920 millions km / 0.3 million km/ s = 86400 seconds
 - ❖ 25920 millions km: The supposed identical distance
 - ❖ 0.3 million km/s : The light velocity in seconds
 - ❖ 86400 seconds : The solar day seconds

This previous example is a proof that there's **an identical distance** for the Cycle 25920 years,

That because the light velocity will have the value 0.3 million km/s just if we use millions km and Not years

And that means The Number 25920 are 25920 millions km and Not 25920 years

Which tells us this theory is a correct

I think that because the **three components** of the previous calculation are real numbers in the solar system, for that I considered the theory is real. So if the **resulted seconds** are **any other number of seconds** I would not use it and can't accept the theory is correct.

But just because this calculation produced <u>The solar day seconds</u>, I have to consider this theory is correct.

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Another example

Let's see another example

Saturn Orbital period is 10747 days

I suppose it has an identical distance, equals 10747 millions km So,

10747 m km = 2.41 m km (moon orbit circumference) * 4459.3 m km (Neptune Orbital distance) (error 0.7%)

(Note: moon orbit circumference = $2\Pi R$ i.e. $2\Pi * 384000 \text{ km} = 2.41 \text{ m km}$)

Why this calculation is trustee?!!

We have 2 ways to answer this question

- First solution, If I have a complete detailed plan for the relationships between the Cycles Periods and the total distances between the solar planets!
- Second way, If there's a logical theoretical reason for creating the identical distance with the cycle period.

The second solution we should discuss in Chapter three of this paper, but I should refer to some important points as following:

- 1- The Solar system Planets Is One System (can be called one Machine), through his planets motions performs one Job².
- 2- The Solar Group Planets are depended on each other deeply in their motions & origins ..etc.
- 3- The overlapping & coherence is a basic foundation of the solar group planets i.e. all the data which we know about the solar system produced based on the coherence & overlapping between the planets (and their motions forces) where nothing is independent.

The first Solution

In following I try to provide many Cycles periods with their (suggested) identical distances, trying to create a complete plan for the solar system Cycles periods.

Let's try to do that

² - I proved that the solar system planets depend on each other in other paper "The Solar Group Planets Data shows, There's A Real Dependency between The Planets (https://www.academia.edu/12399014/The_Solar Group Planets Data shows Theres A Real Dependency between The Planets)

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I choose the following Cycles to define their identical distances

- 1- Cycle 2737 years, (The 2737 Egyptian Astronomic phenomenon)
- 2- Moon Year Cycle 354.3 days
- 3- Lunar orbit Metonic Cycle
- 4- Cycle 1461 days (365.25 *4)
- 5- Venus Day 116.75 days
- 6- Saros Cycle 6585.4 days
- 7- The Moon month Cycle 29.53 days
- 8- The Precession of the Equinoxes Cycle 25920 years

Each cycle has a specific section in this Chapter

(Note: in Appendix No. 2 I provide a list of Cycles find easily their related distances)

Through our studying for these Cycles, we should always answer the following basic question:

Why this specific identical distance is related to this specific distance?

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Section No. 1:

The Cycle 2737 years (The 2737 Egyptian Astronomic phenomenon)

PLANETARY ALIGNMENT WITH THE GIZA PYRAMIDS, IT ONLY HAPPENS ONCE IN 2,737 YEARS



On 3rd December 2012 aligned 3 planets (Mercury, Venus and Saturn) on the three Great Pyramids heads in Egypt, the Phenomenon repeated just once each 2737 years.

I presented a complete study about the Cycle 2737 years in appendix No. 1 where I proved this Cycle depends on Metonic Cycle

In following I presented some references for the phenomenon report after & the event on 03/12/2012

I- References for the 2737 phenomenon. Actual Event Registration

http://earthsky.org/space/photos-from-friends-december-3-2012-line-up-of-three-planets http://modernsurvivalblog.com/space/planetary-alignment-with-pyramids-of-giza/ http://sciencespiritzer.fullblog.com/alignment-of-planets-on-the-pyramids-12032012.html http://beforeitsnews.com/alternative/2012/12/3-pyramides-of-gizeh-3-dec-2012-star-alignement-confirmed-2507300.html

http://modernsurvivalblog.com/space/planetary-alignment-with-pyramids-of-giza/

http://forum.gdvplanet.com/topic/369-planets-align-with-giza-pyramids/

http://missiongalacticfreedom.wordpress.com/2012/12/02/december-3-2012-planetary-alignment-with-giza-pyramids-orions-belt/

 $\underline{http://modernsurvivalblog.com/space/planetary-alignment-with-pyramids-of-giza/}$

http://sciencespiritzer.fullblog.com/alignment-of-planets-on-the-pyramids-12032012.html

http://beforeitsnews.com/alternative/2012/12/3-pyramides-of-gizeh-3-dec-2012-staralignement-confirmed-2507300.html

II- References for the 2737 phenomenon. Predicting Event Reports

 $\frac{http://galacticconnection.com/mercury-saturn-and-venus-aligned-on-dec-3-2012-with-the-pyramids-at-giza\ https://www.youtube.com/watch?v=-jf5goxK41A$

http://astroblogger.blogspot.com.au/2012/08/no-there-will-not-be-planets-aligned.html

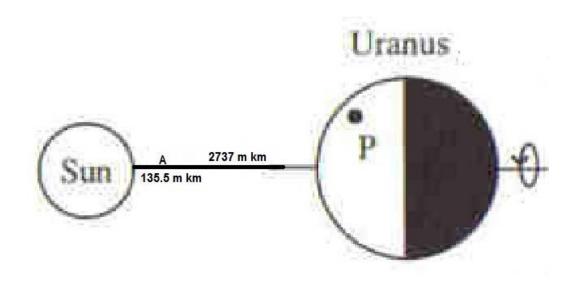
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http://www.snopes.com/science/astronomy/giza.asp

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The Distance 2737 millions km

If we start from Uranus towards the sun we'll find a distance 2737 millions km reaches to point before the sun with 135.5 Millions km. I call this point "Point A" ... as shown in figure..



So

- 1- From Point A to The Sun the distance is 135.5 millions km
- 2- From Point A to Uranus the distance is 2737 millions km

So we have a cycle which 2737 years and its identical distance 2737 millions km which is the line between Uranus and Point A.

Now we need 2 proves

- 1- A proof that, <u>The point A is a real point</u> found based on the solar system and not imaginary point.
- 2- A proof this distance 2737 millions km is related to the Cycle period 2737 years.

To perform this proof, I have to define **Point A** through 4 different ways...

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"Point A" Definitions

1st Definition of Point A

Point A divides the distance between Earth & Venus as following

- From Venus to Point A "135.5 -108.2" = 27.3 million km", (Note: The moon Sidereal Cycle is 27.3 days, which can be the identical Cycle for this distance)
- From Earth to Point A "149.6 135.5 = 14.1 millions km"
 - ❖ 2Π * 14.1= 44.3 millions km (44.3 m km the distance between Venus & Earth while Earth is aphelion 108.2 +44.3 = 152.5 millions km.. error 0.2%)

The previous calculation tells us, Point A location not just defines the cycle 2737 identical distance which is 2737 m km from Uranus to point A But also "point A" defines the distance 27.3 m km to Venus which can be the identical distance to the moon sidereal Cycle & 14.1 millions km which is the Circle radius whose circumference = the Venus /Earth distance while Earth in aphelion.

Note: I consider the "point A" division for 27.3 m km & 14.1 m km distances is <u>a proof for my theory</u>, because the first number 27.3 can be considered an identical distance for moon Cycle and the second number is <u>Real Distance Factor</u> between Venus & Earth which means this calculation depends on the solar planets facts..

That tells us, till Now there are <u>2 Different Cycles</u> define the same location for "the point A".

(The 2 cycles are: Cycle 2737 years & Cycle 27.3 days)

Additional calculations

In Equation $2\Pi R = S$ and then $2\Pi S = C$

If

C = 2872.5 millions km (The Uranus orbital distance- error 0.4%)

So

R= 73 millions km

73 millions km = 14.1 * 5.17 (The moon orbital inclination)

Comments at 1st definition:

I wish the reader agrees to us the equation " $2\pi r = S$ And Then $2\pi s = C$ " because this equation is used commonly in the solar system, for example if R is the Earth orbital distance (149.6 m km), So C will be Pluto orbital distance (5870 m km).

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2nd definition of Point A

Mercury Day is 175.97 days (4222.6 hours)

If we suppose there's an identical distance for Mercury day = 175.97 millions km

R= 175.97 millions km, So its circumference is

❖
$$2\Pi R = 2\Pi *175.97 = 1106 \text{ millions km}$$
 (1)

We know "Point A" locates at 135.5 m km from the Sun

So we have 3 steps to find our required Number

- 1- 135.5 m km $(\Pi+1) = 561.35$ m km
- **2-** 561.35 m km * $2\Pi = 1764.26$ m km
- 3- Sun / Uranus distance $2872.5 \underline{1764.26} = 1108.2 \text{ mkm}$ (2)

It's clear that
$$(1) = (2)$$

(error less 0.1%)

So from 1 & 2 we may deduce the following

- There's an identical distance for Mercury Day 175.97 days equals 175.97 millions km
- The Circumference of Mercury day identical distance is a distance defined by length 1106 m km from the sun and this distance is defined by "point A" location

That tells us, till Now there are <u>3 Different Cycles</u> define the same location for "The point A".

Note

- I wish the reader agrees to use the <u>Factor (Π+1)</u> in previous calculation, because <u>this factor is used commonly</u> in the solar system relations ... for example:
 - ❖ 1407.6 hours (Mercury rotation period) * (Π+1) in= 5831.5 hours (Venus rotation period- error less than 0.1%)

88 (Mercury orbital period $*(\Pi+1) = 364$ days which equals the mercury Circumference distance 364 millions km where the distance 364 m km is the identical distance of the Cycle 364 days.

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3rd Definition Of Point A

- We know the moon sidereal year 327.6 days. Has this Cycle an identical distance? I suppose its distance is 327.6 millions km
- 327.6 millions km = 2.41 millions km (the moon orbit circumference) * 135.5 millions km "Sun/ Point A distance"

Note/

moon orbit circumference $2\Pi R = 2*\Pi* 0.384$ million km 2.41 m km

The previous calculation tells us "Point A" is defined also by the identical distance of the "moon sidereal year 327.6 days"

That tells us, till Now there are <u>4 Different Cycles</u> define the same location for "The point A".

Note please

The moon orbit circumference "2.41 m km" not just help to define 327.6 Cycle identical distance but he also defines other distances as following:

- 364 millions km (the Mercury Orbit Circumference) / 2.41 millions km (the moon orbit circumference) = 151 millions km (the Earth orbital distance error 1%)
- 17 millions km (Earth at aphelion/ point A) * 2.41 millions km (the moon orbit circumference) = 41 million km (the distance between Venus & the Moon).

That tells us to use 2.41 m km to define the Cycle 327.6 identical distance is logical procedure which is used for many other Distances.

Another definition for the distance 327.6 m km

- O Suppose 372.6 millions km = $\underline{2HR}$ So, $\underline{R} = 52.1$ m km this is a distance from the moon towards Mercury to define this identical distance
- o So the distance 327.6 millions km locates as the Circumference for a radius 52.1 m km as distance from the moon in Mercury Direction.
- o R = 52.1 m km is defined also by Mercury according to this equation: (364 millions km / 7) = 52 millions km, where
 - 364 millions km is the Mercury Orbit circumference
 =2ΠR where R is 57.9 millions km

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• 7 is the **Mercury orbital inclination**

- So R= 52.1 m km, this number is defined by Mercury Data basically
- o That means R = 52.1 m km is defined by Mercury data and its $2\Pi R = 327.6$ m km which is identical distance for the moon sidereal year..
- o Note also please, even R= 52.1 m km defines "The point A" to start the distance 2737 millions km, according to the following equation
- o R(52.1) * 2.6 = 135.5 millions km where:
 - 2.6 is Venues complementary axial tilt (180- 177.4 degrees = 2.6 degrees).
 - 177.4 degrees is Venus Axial tilt
 - R= 52.1 m km
 - 135.5m km is the distance between the Sun & point A

That tells us

That tells us, till Now there are <u>5 Different Cycles</u> define the same location for "The point A".

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4th definition of Point A

As we studied <u>"Point A"</u> divides the distance between Venus & Earth into

- From Venus to Point A = 27.3 m km
- From the earth to Point A = 14.1 m km
- So Venus / Earth distance = 27.3+14.1 = 41.4 m km

But these numbers are defined by other equations as following:

- A- 27.3 * 14.1 = 385
 - ❖ 385 = 148 mkm (Sun / Earth distance- error 0.5%) * 2.6 (Venus complementary Axial tilt)
 - Note please 180 -177.4 Venus Axial tilt= 2.6.
 - ❖ 385 = 57.9 mkm (Mercury orbit Radius) * 6.68 (Moon Axial tilt)
- B- 152.5 (Sun/ Earth distance at aphelion) 135.5 (Sun/ Point A distance) = 17 million km
 - o 17 mkm * 2.41 mkm (Moon orbit Circumference) = 41 mkm (the distance between Venus & the moon)
 - This tells us the Earth aphelion to the sun is controlled by the Venus/ Earth distance which support <u>"the point A location"</u> fact supporting the 2737 m km identical distance for the cycle 2737 years.

That tells us, till Now there are <u>6 Different Cycles</u> define the same location for "The point A".

Which makes this point is a real where can't be resulted by any 6 "pure Coincidences"

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Comment on the Cycle 2737 & its identical distance

The basic question in Cycle 2737 is:

Where "The 2737 Egyptian astronomic phenomenon", which occurred in Egypt on 03/12/2012, in which the three planets **Mercury**, **Venus & Saturn** aligned at the three pyramids in Egypt, So.

Why its identical distance which equals 2737 millions km is a line from Uranus to Point A (Sun/ Point A distance is 135.5 millions km) because in this case the line between Uranus & point A includes just Saturn, where Mercury & Venus are out of this line?!

Why the distance 2737 m km doesn't start from the Sun to before Uranus by the distance 135.5b m km and by such way all the 2737 Cycle members will be located inside this distance line?

To answer this question I should write 3 points, as following

I- The calculations general discussion

II- The moon orbit effect.

III- The Mirror

I- The calculations general discussion

A-

The basic question or critic against these calculations is "why this calculation isn't a Pure coincidence of Numbers" specially because we don't understand the relation which creates such calculations?

Let's try to answer this hard question

Suppose this relation A * B = C

If the A, B & C are solar system data, How to know this equation is a real relation in the solar system or just "pure coincidence"?

I think if we provide a complete plan for the solar data (even without understanding the basic relation which creates such calculations), the complete plan is a proof, because it's very difficult to have so many "pure Coincidences" for all the solar system data!

Let's study one detailed example as short reference for the whole plane. If we use Kepler second law for the solar system planets, we'll see that the Factor 25 is constant for all the planets, where 25.2 is Mars Axial Tilt, Now it can't be "pure coincidence for all the planets"

The following table shows that

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$$P^2 * 25 = d^3 \qquad \text{(Kepler 2}^{\text{nd}} \text{ Law)}$$

Where

- **P**: The Planet orbital period

- d: The Planet orbital distance

- **25.2**: Mars Axial Tilt

The results in following:

Planet	P^2	* 25	$= d^3$	Error
Mercury	$(88)^2$	*25	$(57.9)^3$	0.2%
Venus	$(224.7)^2$	*25	$(108.2)^3$	0.3%
Earth	$(366)^2$	*25	$(149.6)^3$	0
Mars	$(687)^2$	*25	$(227.9)^3$	0.3%
Jupiter	$(4331)^2$	*25	$(778.6)^3$	1.4%
Saturn	$(10474)^2$	*25	$(1433.5)^3$	1%
Uranus	$(30589)^2$	*25	$(2872.5)^3$	1.3%
Neptune	$(59800)^2$	*25	$(4495.1)^3$	1.5%
Pluto	$(90588)^2$	*25	$(5870)^3$	1.4%

That tells us there's a relation between all solar planets & the constant 25 which can 't be "pure coincidence" to have the same constant for all the solar group planets.

Now 25.2 is Mars Axial Tilt, So we need to explain why the same constant for all the solar planets? and why the Mars axial tilt?

That's tells us the planets are depended on each other & this dependency is related to Mars deeply.

Note please:

"I use Nasa Data sheet, found before the introduction of this paper, but if you use the seconds & meters units you'll find the constant is 0.297 approximately, which tells us the basic idea is the same, but in this case we need to know Mars Axial tilt based on new units. And in all cases we need to define this constant, and why the same constant is used for all the solar planets?"

In all cases

to suppose all this table produced **the same constant** for all the planets considering that as "pure Coincidence"! it's hard to accept!!

B-

I consider the universe is created by the relations, for that any relation (whose components are solar system data) I accept as a solar system relation and don't consider any of them "pure Coincidence". I don't try to explain anything, I just follow the relations to see where they go.

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For example, I don't know why the distance from Venus to "Point A" which equals 27.3 millions is the identical distance to the moon sidereal Cycle 27.3 days! Because the moon is in the other Side related to the Earth, now this distance still far from the moon with 14.1 millions km! in this case I follow the numbers where I consider they are my teachers. So I accept the distance 27.3 mkm is the identical distance for the moon Cycle and I should find a **logical explanation** for that.. this is part of the learning process from the universe.

II- The moon orbit effect.

Now let's try to answer our hard question, why 2737 millions km doesn't start from the sun to include all the members planets in the Cycle 2737 to be inside it?

Α-

The "the 2737 Egyptian astronomic Cycle" depends on the Metonic Cycle I proved that in the detailed study of it in appendix No. 1

Actually 2736 years = 19 * 144 = 684 years *4

These equations explain why the Cycle 2737 depends on Metonic Cycle but the full proof in appendix No. 1 with the tables of the Cycle 684 years will help completely to accept this fact that

"The 2737 Egyptian astronomic Cycle" depends on the Metonic Cycle

We know Metonic Cycle is the Moon motion orbit Cycle,

So the 2737 Cycle depends on moon motion orbit

And found because of this Motion...

For that reason its identical distance starts from the moon orbit cycle..

B-

The second proof that the 2737Cycle depends on the Moon motion orbit is the phenomenon itself,

Because the three planets (Mercury, Venus & Saturn) aligned above the three Great pyramids in Egypt

Where the three planet alignment above the Earth is the moon trajectory who always turns around the Earth performing all the possible alignments above which is followed by the three planets

That tells us also the distance 2737 Cycle starts from the moon motion orbit.

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C- Mercury & Venus follow Moon motion orbit

Because Mercury & Venus are members in Cycle 2737, that means they also follow the moon orbit motion, that tells us the moon orbit depends on the Mercury & Venus relation, may be that explains the distance 27.3 millions km in Venus Side (also may explain the mercury reflective equation which always found related to the Moon, which I discussed the Mars data analysis paper http://mts-nature.com/nature_files/2015/05/15/00268540/00/268540_0_art_file_2415498_n559sl.pdf)

III- The Mirror

We have 2 cycles identical distances now in the apposite side!!

- 27.3 millions km (Venus / Point A distance) which locates at the other side from the moon!
- 2737 identical distance extends from point A (far from the sun 135.5 millions km) to Uranus (where inside this line just Saturn where Mercury & Venus are out)
- This is similar to moon orbit regression, while the moon circles the Earth, the moon orbit Circles the Earth in the other side, where the moon orbit motion regresses 19 degrees yearly!! (So the Nodes are shown as circle the Earth in opposite Side for the moon motions direction)

And why this strange behavior is repeated as such?

this point is our basic discussion in the chapter three, I'll provide just the question, and then we should discuss the answer in chapter three..

The Cycle 2737 years depends on the Moon orbit and starts from it.

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Section No. 2

Moon Year Cycle 354.3 days

From Point A which we defined in the cycle 2737

We know the distance between **Sun & Point A** is 135.5 millions km

So 2R = 135.5 m km

Circumference =
$$2\Pi R = 135*\Pi$$
 = 424.28 millions km (1)

Sun/ Jupiter distance =
$$778.6 \text{ mkm}$$
 (2)

$$(2)-(1)$$

778.6 - 424.28 = 354.3 millions km

So the moon Cycle 354.3 days has an identical distance = 354.3 m km defined **by Point A** distance.

So the distance from Mercury to 354.3 m km in the identical distance for the moon year 354.3 days

(I called this **Point "B"** which is before Jupiter by 424.28 m km)

Note: I used 135 m km and not 135.5 m km (where the error is 0.36 %). But there's important notice Here we explain as following

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Section No. 3

The Lunar Metonic Cycle

We know metonic cycle is 19 sidereal years = 6939.75 days
That are the cycles periods
So there are 2 identical distance for these Cycles

First: the Cycle 6939.75 days

Its identical distance is 6939.75 millions km

We'll use our equation

$2\Pi R = S \& 2\Pi S = C$

If R = 175.97 millions km (the Mercury day identical distance) So

C = 6939.75 millions km (error 0.1%)

(note we use this equation before in page no. 11)

So Metonic Cycle identical distance is the second Circumference of Mercury Day Cycle identical distance..

Second: The Cycle 19 years

we suppose there an identical distance for this 19 years Cycle, So the identical distance is 19 millions km

 $19 * \Pi^5 = 5826$ millions km which equals Pluto orbital distance (error %0.7%)

So this equation proves there's an identical distance for the 19 years Metonic Cycle

Metonic Cycle Identical Distance More Relationships

6939.75 m km = 57.9 Mercury orbit radius * 119.7 Mars / Venus distance

- The previous equation tells us Metonic Cycle identical distance produced by multiply Mars / Venus distance with Mercury orbit radius
- If R = 19 m km So $2\Pi R = 119.7$ m km (the Venus / Mars distance)
- $19 (\Pi + 1) = 78.7 \text{ m km (Earth / Mars Distance)}$
- 19* 41.4 mkm (Venus/ earth distance = 786.6 (Juptier orbital distance error 1%)

(In appendix No.3 I provide a table for Sun / Pluto distances distribution based on the Venus/ Mars distance)

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Section No. 4

The Cycle 1461 days (365.25 *4)

The Cycle 1461 days = 4 * 365.25 days

The identical distance equals 1461 millions km

Earth / Saturn distance = 1433.5 millions km 1461 m km - 1433.5 m km= 27.5 millions km

Note/

The moon Perigee month is 27.5 days, the previous number can be considered the identical distance for this Cycle.

So the identical distance of the Cycle 1461 days increased Saturn orbital distance with 27.5 m km

This Point after Saturn with 27.5 mkm I called "Point S"

From Jupiter to Point S the distance is 682.4 millions km

We know there's a **cycle 684 years** from our study to the Cycle 2737 in Appendix no. 1 (where 684 * 4 = 2736 years)

So the distance between **Jupiter & Point S = 682.5 millions km**, can be the identical distance for **the Cycle 684 years** (error 0.2%)

That proves Point S is defined by 2 Different Cycles, which proves it's a real point.

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Section 5:

Venus Day 116.75 days

The identical distance of Venus day equals 116.75 millions km,

This distance extends from the Sun for distance 116.75 millions km, Which surpasses Venus location by 8.5 millions km

I may call the point after Venus by 8.5 m km "Point V"

So

- From **Point V** to Venus there's (116.75 108.2) = 8.5 millions km
- From **Point V** to Earth there's (149.6-116.75) = 32.85 millions km
- From **Point V** to the Moon there's (149.2-116.75) = **32.45 millions** km

To define the Distance 32.85 m km

365.25 days / 27.3 = 13.37912 (Moon sidereal months yearly)

13.37912 * 2.41 (Moon orbit Circumference) = 32.3 million km

The resulted value is very near to

The distance From **Point V** to the Moon there's (149.2-116.75) = 32.45 millions km

that tells us Venus day is related basically to the moon

and tells us the Venus day identical distance is a real distance.

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Section 6:

Saros Cycle

We know Saros Cycle is the Eclipse events Cycle

Saros Cycle is 6585.32 days

Now we search for Saros Cycle identical distance which is 6585.32 million km

If
$$6585.32 \text{ m km} = 2\Pi R \text{ So } R = 2095.5 \text{ millions km}$$
 (1)

Jupiter / Uranus distance =
$$2094$$
 millions km (2)

From 1 & 2

It's clear that

Saros Cycle 6585.32 days has an identical distance equals 6585.32 millions km

This distance extends from Jupiter to Uranus

Saros identical distances more relationships

A-

6585.32 millions km =

57.9 (Mercury Orbital distance) * 113.44 degrees (Earth Axial tilt, at the perpendicular of the value 23.44 degrees level)

B-

6585.32 millions km =

Earth orbit circumference ($149.6*2\Pi = 940.3$ millions km) * Mercury orbital inclination (7)

Section No. 7

The Cycle 29.53 days

I suppose there a distance 29.53 m km

- $29.53 * \Pi^4 = 2881$ (Uranus orbital distance)
- $29.53 * (5.15)^2$ (moon orbital inclination) = 778.6 millions km

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Section No. 8

The Precession of the Equinox 25920 years

We studied already the precession of the Equinox 25920 years Cycle, in this chapter preface, but there are more relationships related to this same Cycle which I can't explain in the preface for the simplicity.

1st Definition

25920 millions km / (0.3 m km / s) = 86400 seconds

25920 millions km: is the identical distance for the Cycle 25920 years

0.3 m km/s : is the light velocity in second 86400 : is the Solar day seconds

This definition we studied in the preface perfectly

2nd Definition

The Cycle 25920 we can deduce easily form the Mercury Day cycle 175.97 days (its identical distance is 175.97 millions km) So **R= 175.97**

$$2\Pi R = 2\Pi^* 175.97 = 1106 \text{ m km}$$
 (1)

We should remember that the earth Axis Cycle equals 25920 years

$$25920 = 23.44 \text{ Earth Axis} * 1106$$
 (2)

So that also proves', the 25920 years Cycle has an identical distance equals 25920 millions km which can be defined based on Mercury day identical distance

More important relationships

Α-

25920 millions km = 113.44 (earth Axis) *228 (mars orbital distance) Note please

113.44 degrees is the earth Axis related to the vertical perpendicular to the 23.44 degrees value

But I can provide another equation to support this previous meaning, as following

2872.5 (Uranus orbital distance) = 113.44 (Earth Axis) * 25.32 (Mars Axial tilt)

That tells us Mars & Earth Axial tilt work together to define different place in the Sun / Pluto distance.

Note please / appendix No. 3 is a list for more identical Cycles distances.

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General Comments

On The Cycles & Their Identical Distances

The question which we need to discuss here is

How it's possible to find distances in millions km for cycle of days, as the identical distance 354.3 millions km for cycle 354.3 days, and also to find cycle like 2737 years for a distance 2737 millions km, and even for the Moon rotation period 655.7 **Hours**, there's an identical distance 655 millions km... i.e.

1 million km for 1 year

1 million km for 1 day

1 million km for 1 hour

How that can be possible or logical?

I need the full discussion concerning the overlapping & coherence between the planets & their motions forces to answer this question, But the answer should be done through the understanding of the effect which is made by the distance and the Cycle period on each other mutually.

Shortly we need the development detailed plan, which explain how any Cycle period depending on other Cycles & distances to be found, and through this cycle founding there's new relationships are built which increase this same detailed plan.

In chapter three we should discuss many questions we left here, which may, as I hope, develop our understanding of the relation between the Cycle period & its identical distance.

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Chapter Two

The Planet Orbital Periods & Distances equations

Introduction

In this chapter, I present 2 equations which I discovered

First equation defines the planet orbital period, and

Second equation defines the planet orbital distance,

With each equation, I present a application table of the solar group planets.

And in the chapter conclusion I explained that both equations are very similar to each other which proves the solar system cycles development is very similar to the solar planets distances development

Which supports the claim, that

The planets orbital distances are the total additions of all identical Cycles distance.

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I- The Planets Orbital Periods Equation

1st Equation

Planet orbital Period= The Previous Planet period * (his orbital inclination or Axial tilt, or his previous planet orbital inclination or Axial tilt)

The Equation Factors

This Equation uses the following factors

- A- The Previous planet orbital period
- B- The orbital inclinations & Axial tilts of the required planet & his previous planet (all of them are free options to use any without defined form)

THE SOLAR GROUP PLANETS PERIODS TABLE

Planet	His equation	Registered	Error				
Mercury	The orbital period 88 (has no previous planet So Mercury considers the basic unit)	88	0				
Venus	Venus Period = 88 *2.6 = 228.8 days	days 224.7	(1.8%)				
	88 Mercury orbital period (The previous	us planet)					
	2.6 the Venus axial Tilt complementary	(180-177.4	= 2.6)				
	Where Venus Axial Tilt is 177.4						
	Venus follows the Equation perfectly	т	T				
T		262.44	267.2				
Earth	Earth Period =224.7 * 1.613 = 362.44	362.44	365.2				
	(error 0.7%)						
	224.7 is the Venus orbital period (The previous planet) 1.613 is $(2.6)^{1/2}$						
	2.6 the Venus axial Tilt complementary	(180-177.4	= 2.6)				
	Where Venus Axial Tilt is 177.4		,				
	Earth follows the Equation perfectly						
Mars	Mars Period = $365.25 \times 1.9 = 693.9$	693.9	687 (1%)				
	365.25 the Earth Period (The previous)	planet)					
	1.9 Mars orbital inclination						
	Mars follows the Equation perfectly	Τ	Γ				
T •	L : D : 1 (07 #(1 0)2 #(2 1)1/2	4221	0.70/				
Jupiter	Jupiter Period = $687 * (1.9)^2 * (3.1)^{1/2} = 4364.9 \text{ days}$	4331	0.7%				

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	Jupiter uses 687 Mars period (The previous planet) 1.9 Mars orbital inclination according to the equation 3.1 Jupiter Axial Tilt Jupiter follows the Equation perfectly					
Saturn	Saturn Period 4331 *2.5 = 10827.5days	10747 days	0.7%			
	4331 Jupiter period 2.5 Saturn orbital inclination Saturn follows the Equation perfect					
Uranus	Uranus Period = 10747 *(97.8/26.7)*0.8 = 2.93 10747*2.93=31492	31492.3	30589 (error 2.9%)			
	10747 Saturn orbital Period 26.7 Saturn Axial Tilt according to the Equation 97.8 Uranus Axial 0.8 Uranus orbital inclination					
Neptune	Neptune Period = = 30589* (97.8/(28.3*1.8)) = 58728 days	58728 days	59800 (error 1.7%)			
	30589 Uranus period according to the e 97.8 Uranus Axial Tilt according to the 28.3 Neptune Axial Tilt 1.8 Neptune Orbital inclination	-				
Pluto	Pluto Period = 59800 *1.8*0.8 = 86112	86112	90588 (error 4.9%)			
	59800 Neptune Period 1.8 Neptune orbital inclination 0.8 Uranus Orbital inclination		, ,			

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The Periods Table Comments

1- Why this Equation & Table tells us some Truth?

- I used 5 factors in this equation & table, one of them is a basic factor which is the previous orbital period, and the rest four factors (which are the orb. Incriminations & Axial Tilts of the required planet & his previous one), these four factors are free options to use any of them with each planet to reach the correct value. That tells us there's a specific rule control all the solar planets cycles.
- All the Planets follow the equation, where no any planet used any outer number except <u>Pluto</u> used the Uranus orbital inclination in addition to Neptune orbital inclination, where the error rates were always in acceptable range (error rates respectively 1.8%- 0.7% 1%- 0.7% .7% 2.9%- 1.7%- 4.9%)
- This equation tells us there's a logical development for the solar system Cycles which means the solar system all cycles start from one point extending its range showing only cycles in harmony with each other.

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II - The Planets Orbital Distances Equation

2nd Equation

THE PLANET ORBITAL DISTANCE =

= (Plant Diameter /Earth Diameter)* Earth Orbital Distance 1AU *
The Orbital Inclination of the Previous Planet.

The Equation Factors

This Equation uses just 3 factors:

- A- Earth orbital distance 1AU
- B- (Plant Diameter /Earth Diameter) rate
- C- The previous planet orbital inclination only

THE SOLAR GROUP PLANETS DISTANCES TABLE

Now I'll use this equation to define the solar group planets orbital distances as following³.

Planet	THE PLANET ORBITAL DISTANCE = (Plant Diameter /Earth Diameter)* Earth orbital distance 1AU * The orbital inclination of the Previous Planet.	Result ed	Register ed			
Mercury		57.3	57.9			
	=0.38*149.6 = 57.37 M km		(error 1%)			
Because	there's no Previous Planet for Mercury, for tha	at he do	esn't use			
any orbita	al inclination to define his orbital distance					
Venus	(Venus Diam/ Earth Diam) * (Mercury orbital	106.8	108.2			
	inclination/9.3) * 1AU =		(error 1%)			
	= 0.9488 * 149.6 * 7/9.3 = 106.8					
- Vei	nus uses The Mercury orbital inclination according	to the eq	uation.			
- The	e Solar group planets are one series connected tog	gether, S	o Venus			
nee	ded to divide her equation by 9.3 to find her orbi	tal dista	nce, and			
Nej	otune needs to multiply his equation by 9.3 to	find his	s orbital			
dist	tance!! So there's no change is happened because V	enus &	Neptune			
are	connected together and can behave as one number	er when	multiply			
it w	7ith 9.3 and divide it by 9.3 the result will be no cha	nge.				
- Tha	it's not very surprised, and we will see this operation re	peats aga	in by the			
san	same value. that does not weaken this equation, that proves the planets are					
con	nected with each other as a line starts from the same or	igin.				
Neptune	(Neptune Diam/ Earth Diam)= 3.882 * 1Au *0.8	4320.	4495.1			
	Uranus orbital inclination * $9.3 = 4483.7$	7	(error 3.8%)			

³ - Please review Paper "Mars Data analysis" paper for the author where he proves the Matter is made of the motion for more understanding for this table..

http://mts-nature.nature.com/nature_files/2015/05/15/00268540/00/268540_0_art_file_2415498_n559s1.pdf

 $https://www.academia.edu/12399014/The_Solar_Group_Planets_Data_shows_Theres_A_Real_Dependency_betw\ een\ The\ Planets$

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Neptune uses Uranus orbital inclination according to the Equation Neptune uses also the multiplying of 9.3 to balance the Venus division of it, to define his orbital inclination.

Earth Is our Measure tool to define the distance
Earth orbital distance = 149.6 million km

We should notice that the Earth orbital inclination is Zero, that means Mars can't depend on the Earth to define his orbital distance because she has no orbital inclination, Spite Mars very near to the Earth..

For that Mars will depend on Jupiter! Because the Earth has no orbital inclination.

But this will make some difficulties because Jupiter himself should depend on Mars to define his orbital distance, and all that will make the situation some complex.

For that reason, we should not define the Mars distance Now

We should starts again from Uranus (Because Neptune is defined already connected directly with Venus) to find the continuous series to see how Mars & Jupiter will solve this problem..

And now we'll start with Uranus

Uranus	(Uranus Diam/Earth Diam) $*1AU*F(x) =$	2875.3	2872.5
	= 4 * 1AU * 2.5 Saturn orbital inclination *		(error 0)
	1.922 = 2875.3 (1.922 transferred to Saturn)		

- Uranus uses Saturn orbital inclination according to the equation.
- As we know from Venus & Neptune, the solar group is a series continuous & connected together. For that the numbers transferred through the solar group from planet to planet without difficulties because all the planets are created by the Same Motion, and for that reason the rest Number 1.922 will transferred easily to Saturn where Saturn may use this number and if that happens Uranus & Saturn will be partners in this same value which part of it at Uranus and The Other Part At Saturn.

Saturn	(Saturn Diam/ Earth Diam) * 1AU = 9.44 *149.6	1413.5	1433.5
	= 1413.5		(error
	1 1 1 2 1 2		1.3%)

- Saturn depends on Jupiter orbital inclination 1.3 according to the Equation.
- But there's a transferred Number (1.922) came from Uranus,
- These both numbers together = 1.3*1.922 = 2.517
- But Saturn equation doesn't uses any orbital inclination!

For that reason

This whole Number (2.517) will be transferred into Jupiter

Jupiter	(Jupiter Diam/ Earth Diam) * 1AU * F(x)=	775.1	778.6
	= 11.209 x 149.6 x 0.461 = 775.11	1	(Error

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- Jupiter should depend on Mars orbital inclination according to the equation

But

- There's also a transferred number from Saturn
- So the total is
- 2.517 (transferred from Saturn) * 1.85 Mars orbital inclination = **4.656**
- But Jupiter used inclination orbital value = 0.461 (this value is used also by Mars!)
- So the rate between 4.656 & 0.461 = 10
- This 10 will be transferred to Pluto

Mars	(Mars Diam/ Earth Diam) * 1AU *(1.31/0.461)	227	227.9
	= 227 millions km		(error 0.4%)

- We remember Mars has a problem, because the Earth has no orbital inclination, and so it's difficult to define his orbital distance..

From the Mars Equation we see

- Mars depends on Jupiter and that's the only available solution, shortly because there's no third planet!
- But when Mars used the Jupiter orbital inclination to define his orbital distance, he has to use **the Value 0.461** which used by the Jupiter himself

It's important to understand that

Because the relation between Mars & Jupiter <u>is mutual relation</u> both of them depends on each other to define their orbital distance and for that reason **both** of them use the same number.

Pluto	(Pluto Diam/	Earth I	Diam)*1	AU*	10*	17.2*1.3	=	6255.2	5870
	6255.25						(6.5%)		

- Pluto uses **his own orbital inclination** because no other planet behind him.
- We remember Number 10 which is transferred number from Jupiter equation, which Pluto uses here..
- Pluto also uses Jupiter orbital inclination, where that's logical because of number 10 which is transferred from Jupiter to Pluto. So if the transferred No. 10 can reach to Pluto from Jupiter, why Jupiter orbital inclination himself not reach...

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The Distances Table Comment

1st : Why the previous equation & table tell us some Truth?

- A- The equation uses <u>3 specific factors only</u>, and is valid for all the planets, i.e. there's one rule controls all the planets distances, how can any one creates such Rule if didn't create by the Planets Creator Himself.
- B- The transferred numbers through the Solar group depends on **The Orbital Inclinations** of the solar group planets i.e. **there are no outer Numbers,** so if the orbital inclinations of the solar group planets aren't suitable to the equation, these transferred value will show great disturbances.
- C- The Numbers are transferring between the Planets are correct idea based on assumption that the Planets are <u>depended on each other</u>, related to each other and suitable for each other..
- D- The errors are at average and be acceptable

2nd: What does tell us this equation?

The Using of Previous planet orbital inclination to define the planet orbital distance is a correct idea because each planet defines his planet orbital distance based on his previous planet position i.e. each position Planet defines the next planet position.

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III- The Chapter conclusion

We can see easily both equations,
The planet orbital period & the planet orbital distance
Both of them depends on the previous planet data
This tells us both equations have harmony in their structures which support this paper claim

"For Each Period Cycle In The Solar System There's An Identical Distance Related To This Cycle And effects Each Other Mutually"

And because the distances & periods have the same values, their equations are very similar.

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Chapter three

Why Each Cycle Period In The Solar System Has Its Identical Distance? And How this Cycle period and its identical distance effects on each other mutually?

This chapter should answer the following three questions:

- 1- Why do we try to understand the solar system?
- 2- What's the explanation of this paper theory (the time & distance new definitions)
- **3-** How does the solar system work?
- 4- "What's The Matter?
- 5- General comment

I- Why Do We Try To understand The Solar System?

In appendix no. 4 I provide a short list for the "pure coincidences" which are found in the solar system geometries. Any one reads it will realize easily that there's some problem in our understanding for the meaning of the time & place, as well as our definition of the Matter..

Let's me provide another short list here to see how strange it for the human mind to accept such phenomena as "pure coincidences"

A Short list of "pure coincidences" of the Solar System Geometries

- 1. The Sun size = 400 folds the moon size, but the Sun/ Earth distance = 400 folds the Moon/ Earth distance, for that reason the people on the earth see the sun size equals the moon size approximately, that enables the total solar eclipse to be occurred before our eyes! Is it just "a pure coincidence"? or there's a physical reason caused the Sun/ Moon sizes rate = the Sun / moon distances rate to the Earth, to enable the total solar eclipse to be occurred?! (Note please 10921 km 'moon circumference" / 27.3 days Moon sidereal Cycle = 400)
- 2. The sun size = 400 folds moon size but 400 = 3.66 x 109, where 3.66 is the Earth /moon sizes rate, and 109 is the Sun/ Earth sizes rate, i.e. Number. 400 of the size, includes the THREE PLANETS SIZES RATES together! Is It also "Pure Coincidence"! (please Remember 3.66 because we need later).

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- 3. The total solar eclipse creates an umbra it's length = the moon orbital radius!! Where the solar umbra length depends on the moon diameter, **SO WHAT'S THE RELATION BETWEEN THE MOON DIAMETER AND THE MOON ORBITAL RADIUS?!** (Note (1): the lunar eclipse umbra length = the Sun diameter!) (Note (2), This question can be very complex, but I summarize it for simplicity. Where the question is "what's the relation between the moon diameter & its orbit radius"? We know moon diameter *109 = moon orbit radius, where we know that Earth orbital distance = Earth diameter *109² by this same equation the Mercury & Saturn orbital distances are defined, but 109.2 = 27.3 *4 and the Earth Cycle orbital is 365.25 days i.e. Cycle of 4 years!!!
- 4. 778.6 m km (Jupiter orbital distance) / 86400 solar day seconds = 9000 km (the lunar umbra width)!
- 5. Moon subtends is 0.5 degrees (his diameter 3475 km) but for full Cycle (360 degrees*2* 3475 km = 2.502000 m km equals the Earth motion distance daily (error 2.8%)
- 6. The planets forms are spherical and they turn around theirs axis. Where no any planet in square or triangular form ("Pure coincidence" the planet has the best form for his motion & "Pure coincidence" for all the planets and stars)!! (some claim there's no preference of motion in space for the geometrical structure, but the planet distance equation in chapter 2 proves the planet orbital distance depends on the planet diameter which disproves this claim)
- 7. There's no explanation why 6 planets orbital distances follow Bode Law & 3 planets don't, the planets following considered as "pure coincidences" not need explanation.
- 8. The creature harmony with the universe! Because why the creatures sleep at night? (almost creatures sleep at night), while the sun is absent. There's some harmony, because when there's no natural light the creatures can't search for food or work! "pure coincidence"!!
- 9. The wave nature in the universe different component tells us we don't understand the universe because we have no unification for our universe understanding, where the universe has **unified nature** shown in the wave nature.
- 10. The Eclipse events Cycle (Metonic Cycle) depends on the solar sidereal Year!! Now the eclipse is occurring when the MOON

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- moves between the Sun & Earth.. why the moon motion Cycle depends on the solar Sidereal Cycle?! Pure Coincidence!
- 11.Because Metonic Cycle is 19 Sidereal Years, and because the difference days between the sidereal year & lunar year is 11 days (2 conditions both are necessary) the ancient could create the solar-lunar Calendar! Note. The moon job is to define the day date in the month, and Now Metonic & moon Cycle defines the calendar, the same job but through "Pure Coincidence"!
 - O Note Please the Moon Job is to define the day because the change moon disk refer to the day number in the month. And Now Metonic Cycle helps to define the year days. It's the same job is done 2 times based on "pure coincidences!"
- 12. The Sun circles the earth in 365.25 days as the Earth Cycle! Which's "another Pure Coincidence" ... by the way there's no any two planets in the solar group planets have the same Cycle period why the Sun circles the Earth in period = the Earth Cycle period! And On which the Metonic Cycle depends!!
- 13. The moon diameter is 27.3% of the Earth diameter but the moon needs 27.3 days to turn around his axis where the day is defined by the earth turning around her axis!
- 14.Based on moon orbital velocity, the moon moves through the Metonic Cycle period a distance = 4* The Earth orbital period but the Earth orbital period is 365.25 days which means the Earth has a cycle of 1461 days!
- 15. The universe continuous motion has no explanation, easily we don't know How the planet moves!
- 16.Now I wish to analyze No. 365.25 days : this number has three forms which are $(116.2*\Pi = 365.25/73*5 = 365/27.3*(3.66)^2 = 365.25)$
 - 116.2 equals Venues day (116.8 days) and also equals the Earth/Mercury Syndic Cycle (116 days)... that means this number is the Expression of the Mercury, Venus & earth relations (Note please 175.97 mercury days / 1.5 = 116.2 but mercury orbital period 88/58 mercury rotation period= 1.5.. that tells us number 116.2 is defined by the mercury properties)..
 - 73*5 = 365 this number is important because 73*2 = 146 days and this is the Venus/ Mercury Synodic period

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- 365.25 = (27.3 (3.66)²), but 3.66 is the percentage of Earth diameter / Moon diameter.. and by this rate also (3.66)² the earth & moon gravities are defined..
- The previous analysis aims to explain the clear relations between different planets through these (which tells us the eclipse is a relationship between many planets and not just between The Sun, Earth & Moon).

Take a look at Mars data

- Mars orbital Period 687.9 (registered 687) = 27.3 Moon Cycle * 25.2 (Mars Axial Tilt)
- Mars orbital Period 693.97 (Regis 687) = 365.25 Earth orbital Cycle *1.9 Mars orbital inclination
- 25.2 Mars = 13.18 * 1.91
- The Mars distance = 25.2 *9000 = 226.8 (registered 227.9 million km error 0.4%)
- Mars distance = 119.7 (Venus/ Mars distance) *1.9 (Mars orbital inclination) = 227.9
- 361 (Metonic angles) *1.9 mars orbital inclination = 685.9 (687)
- 97.8 Uranus Axial Tilt *7 Mercury Orbital inclination = 684.6 (684 is the cycle 684 years where 684*4 = 2736 years)
- 19 (Metonic years) *12 = 228 (Mars orbital distance) *12= 2736 m km (Cycle 2736 which is related to 2737 Cycle both depended on Metonic Cycle).

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II- What's the explanation of this paper theory (the time & distance definitions)

Let's try to understand what this theory tells us in following points

A- THE MIRROR THEORY

The mirror theory tells us "each Cycle period in solar system has its identical distance which effects on each other mutually"...

And why?

For each Cycle period there's an identical distance?

Because

The distance is the Cycle period reflected picture at the mirror!!

The mirror theory explanation

Imagine you have a light candle, and you put it in front on a glass mirror you will see **2 lights**, the original light and the reflected light (the reflected light here is a real and not an image)

Now imagine you change the glass mirror with Cupper piece, there's weak light reflected from the Cupper,

Again change the cupper by a wood and then cloths ...etc

You will get different pictures from the same light because you change the Mirror nature

The distance is the time but reflected on another medium!

This is very philosophical meaning, who accepts in physics!

If the reader bears with me a little, the physics may be found in the end of this track.

Now we have another problem, "the meaning of reflected time"!

What's the meaning of reflected time?!

I provide a table for solar system planets distances to find this meaning.. as following:

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The Planets Orbital Distances & Circumferences

Planet	Planet Orbital	1 st circumference =	2 nd circumference =
	distance (d)	2Πd = R	2ПК
Mercury	57.9 m km	364 m km	<u>2288 m km</u>
Venus	108.2	680.1	4275
Earth	149.6	940.3	<u>5908</u>
Mars	227.9	1432.5	9004.2
Ceres	415	2608	
Jupiter	778.6	4894	30762
Saturn	1433.5	9010.5	56637.4
Uranus	2872.5	18055.7	113492.9
Neptune	4495.1	28254.9	
Pluto	5870	36897.1	

From The Previous Table We Find

- Pluto orbital distance = second Circumference of Earth orbital distance (error 0.6%)
- Saturn orbital distance = Mars orbital distance circumference
- Neptune orbital distance = second circumference of Venus orbital distance (with error 4.8%)

But Not just that

- Second Circumference of Jupiter orbital distance = **Uranus orbital period** (error 0.5%)
- Second Circumference of Saturn orbital distance = **Neptune** orbital period (error 5%)
- Even Uranus orbital distance 2872.5 mkm 2nd Circumference of Mercury orbit 2288 m km = 584 m km (584 days Earth / Venus synodic period)

We have to refuse all these data together or accept,
If we accept, so the distance is dealt as exactly as the period!
Otherwise we should refuse and consider all data just "pure coincidences"...

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Now the meaning of reflected distance may mean the Circumference of this distance!!

i.e. The reflected distance may not mean another equal distance in the opposite direction!

May it mean the Circle circumference of the original distance.. I deduce that from the previous table,

Actually all that's not clear.. let's try to know why there's a mirror any way..

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B- The Knowledge Is The Mirror

Suppose, I learnt the Relativity theory, then I believed this theory is a correct theory.

I believe this Relativity theory concept is a real concept, it's among my basics concepts of physics!

What's the meaning of that? The relativity concept is created by Einstein Not by Me! How is this my concept?!

It's clear I have an image of this concept among my basics..

Very clear the knowledge is the mirror....

But why is there a mirror?!

If there's no mirror, what is I'll learn?!

We learn from each other by reflecting others ideas and understand their ideas and by such way we can see the others, creating relationships with them...

When I learn I grow, and then becomes another person!

I learn from the music, the painting & the nature.. I learn the love, the honesty and the God Fear.... I learn from the saints, from the nature science teacher...

I get even some learn from the holy places, bearing a light to the Earth!

Through the Person mind reflection **The LORD Himself** cares the universe.

So the human minds are the billions of the mirrors on the Earth, reflect the knowledge to each other which causes the spreading of the knowledge...

So

The human knowledge development depends on the mirror reflection..

But Note,

The knowledge relationships appeared before our eyes as Matter!

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i.e. the Matter is the relationship which is created by the knowledge!

We should define the Matter before get progress for our ideas..

The Matter definition

Let's define the planet body matter! What's the planet?!

The planet is the child who is born by the relationships which are found before his existence and his existence supports these relationships to still alive and add to them more new relationships!

In physics words

The planet is: The product of the forces coherences, which are found before the planet existence, and these forces cause the planet motion.

i.e. The planet is his motion forces coherence product

for that reason the planets shows many & many relationships which we consider as "Pure Coincidence"

still that isn't clear.

What are the forces whose coherences (relationships) produced the Planet?

They are the light forces

This universe is created by the light..

The light beams coherence produced the matter before our eyes..

The darkness itself is just light coherence as we learn from Young Experiment..

At the end of this chapter I provide a list for proves that the matter is created by the light..

But now we need to understand what's the light relation with knowledge?

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C- The knowledge & light

The knowledge is the reflected light beams!

Any life creature you can measure his electrical pulses by the medical devices, *these pulses is the light appearance inside the matter*, and this acceptable physically where we know this pulses are electromagnetic waves which are light beams..

The matter is the light coherence product

So we see how the matter can be born from the knowledge! The reflected beams produced the light coherence which is the Matter

To see that in more clear let's discuss the lunar umbra length, as following

The lunar eclipse umbra length

The lunar eclipse umbra length = the Sun Diameter!! It's one of "The Pure Coincidences"
But let's us analysis it

What's the umbra? It's shadow = darkness What's the darkness? The light coherence, we learned that from Young experiment!

The coherent light (lunar umbra length) equals the sun diameter..

The previous sentence contains 2 light lengths equals each other!

But why the Matter (bodies) create a shadow if the darkness is produced by the light coherence?!

I mean is there any link between the young darkness and the matter shadow?!

Is it possible the matter shadow is a darkness produced by the light coherence and we see the light as matter because we have bodies similar to such matter and when we look at these matter we be similar to a person looks at the mirror? Is it possible?!

For that reason I use the planets data analysis because the material body prevents us to see the real facts.

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We all see how this discussion goes to be more complex,

We need the correct definition of the light nature to complete our discussion easily..

The light creates the Matter through the coherence to push this matter in logical trajectory motion!

I.e. the matter motion is defined before the matter existence, and the matter is found to perform this motion. This process is made by the light (both the original light or the reflected light) and we need to know **what's the light**? to understand How the light performs this process...

Let's define the time & distance

D- The Time & distance definitions

The time is part of the distance and the distance is part of the time (both of them is the reflected image in the progress)

That because the knowledge (the reflected light) produces the matter in motion (based on both dimension)

So both of them depends on each other top performs his progress For that for each Cycle there's an identical distance & vice versa So

There's no time without distance and there's no distance with time! So any Cycle has its identical distance!

But why? Because the distance is the time reflected image, which the time needs to make his progress

Now this complexity to define the Time & distance will be more clear in answer to the question How does this solar system work?

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I do this research

III- How does the solar system work?

1st THE SOLAR PLANETS GROUP IS ONE MACHINE

This point can be more clear later

But Now we need to define the Matter (mass). what is the Matter (Mass)?

The Matter (mass) is similar to the ice mountain portable by the water (the Matter is the Ice Mountain and the light motion is the water)

Now we need to imagine that the Ice Mountain motion defines the Sea boundaries

i.e. The Sea boundaries is defined by the Ice Mountain Motion and any place isn't reachable by the Ice mountain motion that means this place isn't found..

(That's similar to the child creation process, while the mother blood is the environment in which the child body will be distinguish from the same environment and then later this distinguish body will grow alone as independent!)

2nd THE TIME AND PLACE

We should understand how the time & place are found, For example

Mercury orbital distance 57.9 millions km (around 58 m k) Mercury rotation period is 58.6 days (around 58 days)

What does that mean?

To create a distance equal 1 million km we need the Mercury Matter to move during one complete day.. &

To create one complete day, we have to let Mercury move one million km!

i.e. The day creation (the time) depends on the distance and the distance creation depends on the time...

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3RD THE DEVELOPMENT

Now the previous easy equation tells us the development can be proceeding...

Because Mercury rotation period (58.6 days) is the basic factor of Mercury orbital period (88 days) and Mercury Day (175.97 days)

as well as Mercury /Earth Synodic period 116 days but this last number is the Venus Day (116.8 days) and by this number the Earth orbital defines $116.2 *\Pi = 365.55$ days

Now If any one can understand the development in the planets Cycles Periods and get the planets Periods Equation, that will give us a good explanation for how the universe works,

but

WE SHOULD REMEMBER THAT

Mercury rotation period (58 days approximately) is found DEPENDING on the Mercury orbital distance (58 millions km approximately)...

i.e. The Mercury orbital distance will be part can't be separated from the other planets Cycles Periods equations!

Note/

Mercury orbital distance (58 m km) also shows a development

 $58* 2\Pi = 364$ million km 364/241 = 1496

364 millions km (mercury orbital circumference)

2.41 millions km (moon orbital circumference)

149.6 Earth orbital distance

Of course I haven't the development equations, I mentioned to some points only, but the development equations are the goal of my research

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4TH THE PLANET

We should understand that any development causes a deep effect,

For example the planet orbital distance is depended on the Planet diameter as I proved in the planet orbital distance equation chapter 2 (page 32)..

So the Mercury orbital distance development (in previous point) will effect on the planets diameters definitions, and So the different planets will have different diameters because of their different orbital distances (and vice versa)...

This idea just an example, by which we can see how can create the differences in the planets data generally

Example No. 2

113.44 * 25.2 = 2859

2859 million km : Uranus orbital distance (registered 2872.5 m km)

25.2 :Mars Axial Tilt

113.44 :Earth Axial Tilt (at vertical = 23.44+90=113.44)

This equation tells us there's a relation between Mars Axial tilt & Earth Axial Tilt that forced Uranus to be far with his defined orbital distance!! i.e. because Mars Axial tilt is 25.2 degrees, Earth Axial tilt is 23.44 degrees and can't change till Uranus changes his orbital distance!

Also

300000 (light velocity in second) / 10921 km (moon circumference) = 27.3 (moon sidereal cycle)...

This equation tells us there are many forms of the development for each component..

5TH THE EXTENDING DEVELOPMENT

The developments are extending and not limited for these points to which I mentioned, for that reason each planet depends on the other planets in definition of all his data..

Now what's the time in this complex description?

The time isn't independent,

The time is the Planet Cycles periods

For example earth has rotation period cycle, Day Cycle and orbital period cycle, these are three cycles all of them unify together to create the SAME DAY...

ALL THE PLANETS CYCLES UNIFY TOGETHER TO CREATE THE SAME DAY AND THE SAME TIME

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AND

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ALL THE PLANETS ORBITAL DISTANCES UNIFY TO CREATE THE SAME PLACE

In this time and in this place we live

This is my theory to answer "How does the universe work"?

I conclude this theory from the planets data analysis

6TH -THE RATE

All planets Cycles Periods produced the same one day, but in different rates

It's the Same Day

The Earth Same Day 24 hours

But to produce this Same Day, The Moon has to make a cycle of 27.3 days (655 hours) which causes different distance (655 millions km) between Jupiter & Saturn but causes 27.3 millions km before Venus, where this machine produces the same solar day, all members take parts in this process..

Till Now I don't know how the solar day is produced..

So I write some suggested ideas which may help

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IV- "The Matter is created by the Light" Proves & theory

1- Introduction

The light forces create this universe..

The same theory of this research can rewrite again as the following:

- The light is an independent force
- The light causes the universe Motions,
- This Motion creates the planet mass, its shape and the planet orbit..etc all of them to be suitable to the Light Motion
- The Planet mass is created by the light motions as the light balancing point (or coherence point).
- Mass alternative definition: The Mass is a light Balancing point.
 (coherence point)
- There are 2 light beams who are continuous through the whole Universe, creating the balancing points between them, for that reason the balancing points are connected with each other and depended on each other.

This is the same theory which this research dealt along our fight to prove The only new data here is "The Motion caused by the light, means the Matter made of the light"

This claim which I need to prove in this chapter

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2-The Proves that "The Mass created by The Light"

A -Anderson experiment

Anderson performed an experiment in 1934 by which he produced e⁻/e⁺ from Gama rays (its energy more than 1.2 Mev) And that tells us the mass can be produced by the light

B - Yang Experiment

The Young Experiment of the light coherence produced **light lines** and **dark lines**, so the Young experiment shows that the **Darkness** can be produced by the light coherence... this result said by Newton before, So these experiments show that the light has many forms..



C- Experiment e+/e- collision to produce a Gamma light

This experiment is a common in physics and not just for electron and positron.

Any particle gets collision with his Anti- particle, together they will be a light and their mass will be transferred into light

D- A comment of Anderson experiment

Now, Anderson experiment tells us that when the light produce the Mass, doesn't produce one mass but two masses one of them is against the other... (electron is negative charge and position is positive charge) So If the universe is created by Such, i.e. he Universe just a particle and its Anti-particle!! (day & night/ summer & winter/ male & female/ life & death/etc) why that's not logical to suppose the universe mass created by the light!

E- The wave characteristic

Mentioned before in "the Mass created by the Motion" proves

F- The suitability between the living creatures and the universe astronomy

Mentioned before in "the Mass created by the Motion" proves

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h- The universe continues motion, and why the Light velocity is the standard in the universe?

Mentioned before in "the Mass created by the Motion" proves

I- The church learning that the Mother Of God still virgin after she gave birth to The Lord! Why this learning is useful for us?!

Because this learning tells us **the human body made of light** and in some cases which are not miracles the human body can behave as a light beam, So as the human body may behave as light beam, the Lord Himself behaved as a light beam Through His Mother without pains and didn't tear Her body, So S. Virgin Mary still Virgin after She gave birth to HIM, and the birth is done without Pains... this is a human skill, any one can practice but need some training

K- How to explain The strange skills for the astrology science to predict of the future?

Because the human body and all the universe Masses made by the same 2 light beams, the Motions of the planets and stars which are balancing points of these 2 light beams may effect on our bodies which are also balancing points of these same 2 light beams.. and for that reason the universe is connected together...and that's the reason for which the astrology science predictions still life till this moment!...

In addition to that, the human history recorded people with special skills as to fly in the Air or to pass through the Walls.. and the reason for such skills is that, they behaved as a light beam.. it's human skill but need training to practice..!

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V- General comment

This paper aims to prove "for each cycle in the solar system there's an identical distance, effects on each other mutually"

The explaining discussion is hard enough to surpass this objective, but I tried by many ways to explain that we understand this universe wrongly, and we should change some of our basics in the universe study.

As it's seen, this paper shows many & many puzzles & questions more than answers, but of course it's very hard for one person to explain completely how this universe works..

This theory starts a new chapter in the astronomy & physics study

That means we need many & many other studies in this same track to reach the full understanding of the universe motions & components..

Sometimes I worked hardly to reach to some information, although the information was very near, but I couldn't catch it...

I need Help to complete this research

I have many other data can't be written here because I have no prove for them..

Spite of that I will write one information I need help to prove it With this new information I close this chapter, hoping I could reach to some minds effectively

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The Earth Great Earthquake

Before December 2012 there were many claims that in December 2012 the Earth will face the greatest Earthquake in human history. The claims of the greatest Earthquake are found in many sites as the following

http://en.wikipedia.org/wiki/2012_phenomenon
http://www.timeanddate.com/calendar/maya-world-end.html

Here I don't evaluate this information if it's correct or incorrect Here I want to use this information to show how the universe Vision will change based on the Matter new definition.

We all know that the Earthquake didn't happen in December 2012, as it was expected

But I want to apply my new Mass definition on this Case Let's try

The Earthquake date was mistaken! Why?

The earthquake shouldn't hit the earth in December 2012, that was mistaken date! And why?

Because we know now that the Earth Matter (Mass) is portable by the Earth Motion

And because the Earth Matter (Mass) depends on the Earth Motion, the Earth Mass should be effected by the Earth motion Cycle..

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So the Motion Cycle (365.+365+365+366 = 1461 days) isn't just motion Cycle but also the Earth Matter (Mass) is influenced by this Cycle..

That means the greatest earthquake – if truth- can't reach to the Earth Matter in December 2012

But should wait after one complete Cycle (1461days)

So The Correct Date should be after December 2016

As the sun rays sent to the Earth needs 500 seconds to reach to the Earth That's the same case the Earthquake strong force should reach to the Earth Matter (Mass) after one complete Cycle (1461 days)

The Conclusion

The Earth Greatest earthquake –if Truth- will hit the Earth Mass after December 2016..

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Appendix No. 1

The Egyptian Astronomic Phenomenon 2737

PLANETARY ALIGNMENT WITH THE GIZA PYRAMIDS, IT ONLY HAPPENS ONCE IN 2,737 YEARS

1- INTRODUCTION

On 3rd December 2012 aligned 3 planets (Mercury, Venus and Saturn) on the three Great Pyramids heads in Egypt, the Phenomenon repeated just once each 2737 years.

I called this phenomenon

"The 2737 Egyptian Astronomic Phenomenon"

In this paper I present the proof that the 2737 Egyptian

Phenomenon Cycle depends on the Moon Metonic Cycle!

And then in the 3rd Chapter I'll discuss how the three planets (Mercury, Venus and Saturn) depend on the Earth- moon orbit in their motions!

In this introduction I'll refer just to some interests we got by the 2737 Egyptian phenomenon.

Some interests we got by 2737 Egyptian phenomenon:

- ❖ *First* we know that the Pyramids builders recognized the different astronomic cycles, and especially 2737 phenomenon, for that they built just 3 pyramids at its parallel line.
- ❖ *Second*, we know that the Pyramids builders knew the relative distances between the planets and built the pyramids at their rates!
- * *Third* where the 2737 phenomenon repeated on 3rd December 2012 for the third time, so the Number 8211 years is important number for human life or at least for the pyramids age.
- ❖ *Fourth*, I may claim that the Pyramids builders built the three Pyramids specifically for the 2737 Egyptian phenomenon.
- ❖ *Note:* The Great Pyramid Height is 5776 Egyptian inches = the distance between the Sun & Pluto (each inch = 1 million kilometer)

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1ST SECTION

Why the Lunar year doesn't correspond with the sidereal year at any cycle?⁴

We know that the moon turns with the Earth around the sun, so why the lunar year which equals 354.36 days (lunar Synodic period 29.53 days x 12 months) doesn't correspond to the Sidereal year that equals 365.25 days at any cycle?

We see the 32 Sidereal year a cycle = 11688 days

But the Lunar year cycle = 33 years - **5.81 days** = 11693.88-5.8= 11688

And why there's this addition 5.81 days to prevent both periods to meet each other

We know that the plane of lunar orbit regresses 19 degrees each year that causes the eclipse to come early 19 days each year⁵

So that said the movement of 19 degrees causes change for 19 days And now we see the lunar year come early 5.81 days, and the lunar plane has inclination to ecliptic equal approximately 5.14 degrees...

Can I suppose that this difference between Sidereal Cycle 11688 days and Lunar Cycle 11693.88 days which equals 5.8 days caused by the lunar plane inclination 5.14 degrees (later we will discuss How?) When we divided this inclination value 5.14 degrees (or the period 5.8 days) at 360 we find that,

The Lunar orbital inclination causes the lunar Synodic day to come early approximately 21 minutes daily..

That lead to the following results

- The correct Synodic month is 29.515

- The correct Synodic year is 354.1818 days And by such way

The lunar cycle which contain 33 Synodic year = 11687.999days

The Sidereal Cycles which contain 32 sidereal year = 11688 days

Where both come to end in the same day

And So the cycle of 32 sidereal years equals 33 modified Lunar Synodic years (modified lunar year = 354.1818 days) perfectly

⁴ - the day defines here approximately 86164 seconds where the sidereal year is 365.25 days.

⁵ - Total Solar Eclipses and how to Observe them- Martin Mobberley- page. 11

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2ND SECTION

The Basic Lunar Year 360 Days

Now I modified the lunar year already from 354.36 to be 354.1818 days

But there's another year related to the moon,

In this year we should added the modified year 354.1818 to the difference of days caused by the lunar orbital inclination which was 5.8 days approximately

So 5.8+354.1818 = 360 days approximately

That's the ancient biblical year And I'll call it

The Basic Lunar Year

Now we have three types of years

- The Basic Lunar Year =360 days

- The modified lunar Synodic year =354.1818 days

- The Sidereal year = 365.25 days

And we'll see how the Metonic Cycle effect on each of them

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3RD SECTION

The 2737 Egyptian Astronomic Phenomenon depends on Metonic Cycle

The Metonic Cycle defines as a moon Cycle continues for 19 Sidereal Orbit year which equals 6939.75 days, and Metonic Cycle made because the Lunar orbit plane regresses yearly 19 degrees that causes the eclipses to come early 19 days yearly.

The Following Table shows How The Metonic Cycle Effect On The Different Years

-	,		Different Years	
Metonic Cycle Number	Sidereal years No.	Number of modification days)	ried Lunar year (equals 354.1818	The Basic lunar Year Numbers (360 days)
,	(365.25 days)	Lunar years in each Metonic cycle	The Lunar years (354.1818days) Numbers For each Metonic Cycle	For each Metonic Cycle
M. Cycle 1	19 S. Year	19	19 Lunar Y. + 210.295 days	19 BLY (Basic Lunar Year) + 99.75d(days)
M. Cycle 2	38 S. Y	20	38 L. Y. +420.59d = 39 L. Y + 66.408 d	38 BLY+ 199.5 d
M. Cycle 3	57 S. Y	19	58 L. Y + 276.703 d	57 BLY+ 299.25d
M. Cycle 4	76 S. Y	20	77 L. Y +486.998 d = 78 L. Y +132.8162 d	76 BLY+399d = 77 BLY+39 days
M. Cycle 5	95 S. Y	19	97 L. Y + 343.111d	96 BLY+138.75d
M. Cycle 6	114 S. Y	20	116 L.Y +553.406d = 117 L. Y + 199.224d	115 BLY+ 238.5d
M. Cycle 7	133 S. Y	20	136 L. Y +409.519d= 137 L. Y +55.3374d	134BLY+ 338.25d
M. Cycle 8	152 S. Y	19	156 L. Y +265.6324d	153 BLY+438d= 154 BLY+78days
M. Cycle 9	171 S. Y	20	175 L. Y +475.9274d= 176 L. Y + 121.745d	173 BLY+ 17.75d
M. Cycle 10	190 S. Y	19	195 L. Y+ 332.0406d	192 BLY+ 277.5d
M. Cycle 11	209 S. Y	20	214L.Y +542.3356d= 215 L. Y +188.1538d	211 BLY+ 37.25d = 212 BLY+ 17.25d
M. Cycle 12	228 S. Y	20	234 L. Y +398.4488d= 235 L. Y +44.267d	231 BLY+117d
M. Cycle 13	247 S. Y	19	254 L. Y +254.652d	250BLY+216.75d
M. Cycle 14	266 S. Y	20	273 L. Y +464.857d= 274 L. Y + 110.675d	269 BLY+216.5d
M. Cycle 15	285 S. Y	19	293 L. Y +320.9702d	288 BLY+416.25d= 289 BLY+56.25d
M. Cycle 16	304 S. Y	20	321L.Y +531.2653d= 313 L. Y +17.0834d	308 BLY+156d
M. Cycle 17	323 S. Y	20	332 L. Y +387.378d= 333 L. Y +33.1966d	327 BLY+255.75d
M. Cycle 18	342 S. Y	19	352L.Y+ 243.4916d	346 BLY+ 355.5d
M. Cycle 19	361 S. Y	20	371L.Y +453.7866d= 372 L. Y + 99.60486d	365 BLY+455.25d= 366 BLY+ 95.25d
M. Cycle 20	380 S. Y	19	391 L. Y + 309.8992d	385 BLY+195d
M. Cycle 21	399 S. Y	20	410 L. Y + 520.1948d= 411 L. Y +166.013d	404 BLY+294.75 d
M. Cycle 22	418 S. Y	20	430 L. Y +376.308d 431 L. Y +22.12626d	423 BLY+394.5d= 424 BLY+ 34.25d
M. Cycle 23	437 S. Y	19	450 L. Y + 232.4212d	443 BLY+ 134.25d
M. Cycle 24	456 S. Y	20	469 L. Y +442.7162d=	462 BLY+ 234d

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			470 L. Y + 88.5344d	
M. Cycle 25	475 S. Y	19	489 L. Y +298.829d	481 BLY+ 333.75d
M. Cycle 26	494 S.	20	508 L. Y + 509.1244d=	500 BLY+433.5d=
			509 L. Y + 154.9426d	501 BLY+ 73.5d
M. Cycle 27	513 S. Y	20	528 L. Y +365.2376d=	520 BLY+173.25d
			529 L. Y +11.0558d	
M. Cycle 28	532 S. Y	19	548 L. Y +221.3508d	539 BLY+273d
M. Cycle 29	551 S. Y	20	567 L. Y +431.6458d=	558 BLY+ 372.75d=
-			568 L. Y + 77.464d	559 BLY+ 12.5d
M. Cycle 30	570 S. Y	19	587 L. Y + 287.759d	578 BLY+ 112.5d
M. Cycle 31	589 S. Y	20	606 L. Y + 498.054d=	597 BLY+ 212.25d
			607 L. Y + 143.8722d	
M. Cycle 32	608 S. Y	20	626 L. Y + 354.1872=627 L.	616 BLY+ 312d
			Y	
M. Cycle 33	627 S. Y	19	646 L. Y + 210.295	635 BLY+ 441.75d =
				636BLY+51.75d
M. Cycle 34	646 S. Y	20	665 L. Y + 420.5754d=	655 BLY+151.5d
			666 L. Y + 66.3936d	
M. Cycle 35	665 S. Y	19	685 L. Y + 276.6886d	674 BLY+ 251.25 d
M. Cycle 36	684 S. Y	20	704 L. Y +486.9836d=	693 BLY+ 351 d
			705 L. Y ++132.801d	
M. Cycle 37	703 S. Y	19	724 L. Y + 343.096d	712 BLY+ 450.75d
				=713BLY+90.75d
M. Cycle 38	722 S. Y	20	743 L. Y + 553.391d=	732 BLY+190.5d
			744 L. Y + 199.2092d	
M. Cycle 39	741 S. Y	20	763 L. Y +409.5042d=	751BLY+289.5d
			764 L. Y + 55.3224d	
M. Cycle 40	760 S. Y	19	783 L.Y + 265.6174d=	770BLY+389d=
				771 BLY +29 days

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The Previous Table Study classified into 2 parts

First Part: The study of the column of the modified lunar year (which equals 354.1818days)

- 1- Each 32 Metonic Cycles the last day of modified lunar year (equals 354.1818 days) corresponds with the last day of Metonic cycle which is the Sidereal Year last day where the lunar modified years equal 627 lunar years that equals 608 sidereal years perfectly.
- 2- The difference days between the Modified lunar year with the Metonic Cycle moves in Cycle and decreases as following (66.4-55.33-44.26-33.19-22.126-11.0558 0.00 days) at 98 years interval (98 modified Lunar years which equals 354.1818 days)
- 3- The modified Lunar years number for each Metonic Cycle shown in the table, and I found the following Modified Lunar Year order "19-20-19-20" repeats once with each Cycle consist of 627 modified Lunar year
 - a. That means with the last day of the Metonic Cycle No. 32 which equals 608 Sidereal Years but equals 627 Modified lunar year. after this Cycle ends, and starts the new one the modified lunar year order 19-20-19-20 will repeat once again as a mark for the new Cycle starting (this order in table marks by Gray color)
 - b. We can call the Metonic Cycle no. 32 a Cycle for the modified Lunar year with the Metonic Cycle (this Cycle in Table remarked by Yellow)

Second Part: The Study Of The column of the Basic Lunar Year (equals = 360 Days)

- 1- We see in the table the day common fractions spread through the cycles but these fractions unify to be one day each 4th Metonic Cycle which equals 76 Sidereal years (that similar to the Sidereal Year, 3 years equals 365 days and the 4th year is 366 days).....
- 2- but after 4th Metonic Cycle the last day of Basic Lunar year (which equals 360 days) doesn't correspond the last day of the Metonic Cycle because there are 39 days addition to the Basic Lunar years (means 76 Sidereal years = 77 Basic Lunar Years +39 days). And

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- with the following cycles this number increases regularly by addition 39 days each 76 Sidereal years. (so after more 76 years we finds at the 8th Metonic Cycle 154 Basic Lunar Year + 78 days.... And that continues)
- 3- But at Metonic Cycle No. 40th which equals 760 Sidereal Years we find this number equals 771 Basic Lunar years + 29 days, and that means the rest days decreased from 39 days to be 29 days during period (760 Sidereal Years -76 Sidereal years = 684 years) and this is the difference between the Metonic Cycle No. 4 and Metonic Cycle No. 40...and all that says... EACH 684 SIDEREAL YEARS, THE REST DAYS DECREASE 10 DAYS
- 4- Now we know that 39 days prevented the basic lunar year to end in the same day with the 4th Metonic Cycle, and we know this period 39 days decreases by 10 days each 684 sidereal years, and that means we need four Cycles which will decrease the 39 days to be (-1 day) which is the most near to the metonic Cycle.
- 5- Now we need 4 Cycles of the period 684 years where **These 4** Cycles Equals 2736 Sidereal Years
- 6- And based on that the 2736 Phenomenon was a Metonic Cycle and this period was needed to Correspond the Basic Lunar year with the last day of Metonic Cycle (the Basic Lunar Year equals 360 days the bible year which no one considers in modern life)
- 7- Now we saw 39 days which found in Metonic Cycle No. 4, have decreased as (10/10/10/9) at interval 684 Sidereal years for each 10 days, by that we found the 2737 Egyptian phenomenon for which we researched,
- 8- But still there are two questions, first about the number because we got the Cycle of 2736 Sidereal Years and not 2737 Sidereal Years, and the second question about the last day we need because 39 equals (10/10/10/9) and the decreasing **EACH 684 years equals** 10 days and that means the last cycle will have -1 day

We still have 2 question to answer respectively

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The First Question

says we got relation to the Cycle 2736 Sidereal years and not to 2737 Sidereal years phenomenon? And how 2736 Cycle related to 2737 Cycle?

the answer

As we know Metonic Cycle is 6939.75days

We know Saros Cycle is 6585.35 days

And the difference between both is 354.2 days

Which equals a modified lunar year approximately...

While Metonic Cycle connected to Saros Cycle completely because the Metonic Cycle is The lunar Orbit Cycle and Saroc Cycle is The Eclipse Cycles that made by the Moon itself.. all that say to us, there's great connection between both Cycles..

Because there's a complete year difference between them (regardless the explanation of How that occur!)

And we see this Cycle 2736 Sidereal years needs a complete sidereal year to be our phenomenon 2737 ...

So Both connected with Great Relation

While the first one depends on the Metonic Cycle that means the second also does.

The Second question about the minus day

39 days we found and the decreasing is 10 days each 684 Sidereal years means after 4 Cycles (2736 Sidereal years) the number 39 will decrease to be -1 day.. means the Metonic Cycle will finish after the last Basic lunar year day with one complete day..

So each 2736 Sidereal years we have -1 day

So this Cycle will continues to be 10 (-10) days and to consume in one Cycle 3736 Sideral Years

Where 27360 Sidereal years = 1440 Metonic Cycles (which we may call astronomy full day where the solar day equals 1440 Minutes).

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A comment on The Egyptian Astronomic Phenomenon 2737

I'm very surprised that there's no any study dealt "the 2737 Egyptian astronomic phenomenon"!

I see that not logical because the phenomenon tells us there were other people understood perfectly the universe astronomy and they gave us a great gift by building the great three pyramids as a references to such phenomenon, so why the modern astronomy doesn't try to compare our knowledge with theirs through encourage the studies and reports about this 2737 Egyptian astronomic phenomenon.. actually it's illogical to neglect such very great gift we didn't work for, but even got it without any payments or efforts, and its data are available to us to compare our knowledge with ancient knowledge and correct ourselves if it's necessary!!

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Appendix No. 2

Cycles their distances just found easily

- 1- 58.6 Mercury rotation period & 57.9 million km is almost its identical distance
- 2- 364 m km is Mercury Orbit circumference which is the identical distance of 88 (Π +1)
- 3- Mercury / Jupiter distance is 720.7 millions km which can be considered the identical distance for the Mercury day degrees which is 719.8 degrees
- 4- The Mars / Jupiter distance is 552.9 millions km, can be considered the identical distance of Mercury day Circumference (175.97 days) where $175.97\Pi = 552.95$
- 5- Saturn / Uranus distance is 1439 millions km can be considered the identical distance for the solar day minutes which are 1440 minutes
- 6- Jupiter/ Saturn distance is 655 millions km where the Moon rotation period is 655.7 hours
- 7- Mercury / Earth distance is 91.7 millions km = 366.8/4 where 366.8 rotations period the earth performed during the year (365.25 days)
- 8- Venus / Point A = 27.3 m km which can be considered the identical distance of the Moon sidereal Cycle.
- 9- Mars / Venus distance is 119.7 m km which can be identical distance for a cycle 119.7 years where 119 *23 = 2737 which is the cycle 2737 years... 6
- 10- 778.6 m km * $2\Pi = 4894$ m km & $4894* 2\Pi = 30762.6$ million km this distance can be considered the identical distance of Uranus orbital period 30589 days (error .5%)

⁶ - at appendix no 3 I present table of distance 119.7 million km in which the sun/ Pluto distances are divided based on Venus/ Mars distance 119.7 m km

Appendix No. 3

The Sun / Pluto distance classification based on Venus/Mars distance

Planet	The planet orbital distance equation	Registered (error)	
Mars	Mars orbital distance 227.9= 119.7 * 1.9	0	
Jupiter	Jupiter orbital distance 778.6 = 119.7 * (1.9)*(3.4)	0.6%	
Saturn	Saturn orbital distance $1433.5 = 119.7 * (1.9)^2*(3.4)$	2.4%	
Uranus	Uranus orbital distance $2872.5 = 119.7 * (1.9)^3*(3.4)$	2.8%	
Neptune	Neptune orbital distance $4495 = 119.7 * (3.4)^3$	4.6%	
Pluto	Pluto orbital distance 5870 = 119.7 * (1.9) ⁶	4%	
	The Rest Planets		
Mercury	Mercury orbital distance $57.9 = ((3.4)/(1.9)^3)*119.7$	2.4%	
Venus	Venus orbital distance $108.2 = ((3.4)/(1.9)^2)* 119.7$	4.1%	
Earth	Earth orbital distance $149.6 = (1.9)^{1/3} * 119.7$	0.9%	

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Study of The Venus/ Mars Distance Table

1- Why This Equation tells Us The Planets Are Depended On Each Other?

- O Because I defined **specific 3 values** (119.7 m k which is Mars/ Venus distance, 1.9 degrees which is Mars Orbital inclination & 3.4 Venus Orbital inclination) So through just 3 Values, it's possible to define the orbital distances for all solar group planets!! The planets orbital distance interacted with Thee Constants to produce 10 values correctly, and that can't be occurred unless the planets themselves are related to each other in their orbital distances!
- o I started with Mars to Pluto, because these planets are found after the Venus/ Mars distance which we use as a measurement, and then I completed the rest planets to show How the Planets are related to each other..

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Appendix No. 4

A short list of

"Solar system geometries pure coincidences of numbers"

- 300 *10⁶ (Earth Orbit Diameter) = 3472 (moon diameter) * (86400 seconds = solar day)
- 300000 Light speed = 10921 (moon Circumference) * 27.3 days (moon Cycle)
- 300000= 12756 (Earth Diameter) * 23.5 Earth Axial Tilt
- 300000= 11900 (119.7m V/M distance)* 25.2 Mars Axial Tilt
- 300000= 24.7 (Mars day) * 12145.7 (Venus Diameter)
- 300000 = 2737 *109

Second the day solar second 86400 (86164)

- 86164 = 12756 (Earth Diameter) * 6.7 (Moon Axial Tilt)
- 86164 km Moon velocity distance / day (1 km/s)

The Moon

- The Moon diameter is 27.3% of the Earth Diameter (but the moon turns around his axis once in 27.3 days where the day is defined by the earth rotation around her axis)
- The total solar eclipse umbra covers area of the earth equals 304 km = 2.73% of the Moon circumference..
- -1/3.66 = 0.273 (= 27.3/100)
- Moon diameter = 5.18*6.7*100 = 3470.6

400

- 400 = 10921 Moon Circumference / 27.3 Moon Cycle
- -401 = 13.36 *30
- Sun diameter = 400 folds Moon diameter = 109 (Sun/ Earth diameters) *3.66 (Earth/ Moon diameters) (400 sizes)
- The total solar eclipse umbra length = the Moon orbit radius (384000 km) while and the lunar umbra length = the Sun diameter (1.4 million km) (Note please (1.4/0.384 = 3.66) (3.66=Earth/moon size rate)) but that means the earth has such SPECIFIC MOON WHOSE CIRCUMFERENCE caused an umbra length = the Moon Orbit Radius!! (400 distances)

13.36

- 13.36 the moon turns around his axis yearly for that (13.36 turning times causes 19 turning degrees of the moon orbit). (this equation is 254 months = 27.32 * 19* (3.66)²)
- 13.36 * 27.32 = 365.25 days (a sidereal year)

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- $13.36 = (3.66)^2$ (where 3.66 is the Earth diameter / Moon Diameter rate)
- 13.36 * Moon gravity rate = Earth gravity rate
- $13.36 = 100\Pi/23.44$ Earth Axial Tilt

365

- Now I wish to analyze No. 365.25 days: this number has three forms which are $(116.2*\Pi = 365.25/73*5 = 365/27.3*(3.66)^2 = 365.25)$
 - 116.2 equals Venues day (116.8 days) and also equals the Earth/Mercury Syndic Cycle (116 days)... that means this number is the Expression of the Mercury, Venus & earth relations (Note please 175.97 mercury days / 1.5 = 116.2 but mercury orbital period 88/58 mercury rotation period= 1.5.. that tells us number 116.2 is defined by the mercury properties)..
 - 73*5 = 365 this number is important because 73*2 = 146 days and this is the Venus/ Mercury Synodic period
 - 365.25 = (27.3 (3.66)²), but 3.66 is the percentage of Earth diameter / Moon diameter.. and by this rate also (3.66)² the earth & moon gravities are defined..
 - $176 (\Pi+1) = 2 \Pi R$ where R = 116
 - **365.25** (24/24.7) = 354.89

109

- 1.39 millions km Sun Diameter = 109 * (12756km) Earth diameter
- 1.39 millions km = the lunar umbra length = 864000 miles
- 3475 km (moon diameter) * 109 = 379000 (the moon orbit radius)
- Earth / Sun distance 149.6 mk = earth diameter (12756km) * 109^2
- Mercury / Sun distance 57.9 mk = Mercury diameter $(4879 \text{km}) * 109^2$
- Saturn/ Sun distance 1443.5 mk = Saturn diameter (120536 km) * 109²
- 109*6 = 654 (655.7 hours is the Moon rotation period) = 327.6*2

П

- $\Pi^2 = 9.87$ the earth gravity
- $-\Pi^3=31.04$
- Π^4 = 97.566 (Uranus Axial Tilt)
- 19 Metonic years *17.2 Uranus orbital inclination = 326.8 (327.6)

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23.44 Earth Axial Tilt

- $13.36 = 100\Pi/23.44$ Earth Axial Tilt
- 13.18 moon daily motion degrees *1.9 mars orbital inclination = 25 (Mars Axial Tilt 25.2 degrees)
- 5.12 moon orbit inclination = (13.18 *2.6)/6.68

782.9 millions km (Sun / Jupiter distance)

- 782 m k = 86400 solar day seconds * 9000 km (the lunar umbra width)
- 782 m k * 7.5 = 5865 (Pluto distance)
- Note 2872.5 (Uranus distance) = 555 * 5.17 moon orbit inclination
 - o But 555 +227.9 mars distance = 782.9 Jupiter distance
 - 555 * 2.5 (Saturn orbit inclination) = 1433.5 (Saturn distance)
- $782 \text{ m k} = 25.2 * \Pi^3$
- $782 \text{ m k} = 391 \times 2 \text{ (Note } 391 \times 7 = 2737)$
- 782 m k = 6.7 Moon Axial Tilt *116.8 (Venus Day)
- 782 m k = 151 Earth distance * 5.17 Moon orbit inclination
- 782 m k = 227.9 Mars distance * 3.43 Venus orbital inclination
- 782 m k = 57.9 mercury distance * $(3.66)^2$ (error 1%)

Moon orbit

- Moon Orbit radius average = 384400 km = (4879+12104+12756+3475+6792+142984+120536+51118+49528 +2390)= 406562 (not please the moon aphelion = 406000) that means the Moon Orbit radius = collection of all the planets diameters together! (difference with average around 5.7%)
- **Moon Orbit radius average** 384400 km = moon diameter (3475)* 109 (error 1.4%)
- The moon orbit circumference = 2.416228.5 millions km = 60 * Earth Circumference
- The moon orbit circumference = 2.416228.5 = 9000 (umbra width) * 26.8 (26.7 Saturn axial tilt)* 10
- The moon orbit circumference = 2.416228.5 / 406000 = 5.93

Metonic Cycle

- 6939.75 days = 4 * 1737 the Moon Radius
- $6939.75 \text{ days} = 27.32 \text{ moon cycle} * 254 \text{ months} = 27.32 * 19* (3.66)^2$
- Metonic Degrees 361 = 108.2 mk (Venus distance) /0.3 (light speed)
- Metonic distance = 119.7 mk (Venus/ Mars distance) * 5
- Metonic distance = 153 millions km * 4
- The Metonic Cycle DEPENDS ON THE SIDEREAL YEAR (365.25 days) although Metonic Cycle is the moon orbit Cycle,

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- there's no explanation why the moon orbit cycle depends on the Sidereal cycle (365.25 days)
- Note please the Sun Cycle is 365.25 days as the Earth Cycle! Which's "another Pure Coincidence" ... by the way there's no any two planets in the solar group planets have the same Cycle period why the Sun has the same cycle Period as the Earth! And On which the Metonic Cycle depends!!
- 6939.75/109 = 63.66 (the north pole to Earth 63.52 degrees)
- **-** 1361* 5.1= 6941
- Earth distance 150 m k * 19 metonic = 2850 m km (Sun/ Uranus distance)
- Also as we know the Metonic Cycle (which is moon Cycle) depends on the solar Cycle (19 sidereal years)!. And because Metonic Cycle ends on the last day of the 19 Sidereal years (first condition) and because the difference between the Lunar year 354.3 days and the sidereal year 365.25 days is 11 days (the second condition) for that the people were enabling to create the solar lunar calendar!
 - O Note Please the Moon Job is to define the day because the change moon disk refer to the day number in the month. And Now Metonic Cycle helps to define the year days. It's the same job is done 2 times based on "pure coincidences!"

Saros

- -6585.75 = 18.6*354 (6584.4)
- -5.18*6.7*10 = 347

The Lunar eclipse

- The moon turns daily 13.18 degrees around his axis (each degree needs around 109 minutes = 6550 seconds which equals distance = 6700 km)
- 13.18 moon degrees daily * 109 = 1437.3 (1436 the solar day minutes)

The Umbra

- 9000 umbra width = 5.18 (moon orbital inclination) * 1737 the Moon Radius
- 9000 umbra width = 27.3 (Moon Sidereal month) * 329.6 (sidereal year)
- The length from the moon in solar umbra to the end of the lunar umbra length = 1.784 million km..
- Lunar umbra length = 1.39 millions km = sun diameter = 864000 miles

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Mars

- Mars orbital Period 687.9 (registered 687) = 27.3*25.2
- Mars orbital Period 693.97 (Regis 687) = 365.25 *1.9 (error 1%)
- -25.2 = 13.18 * 1.91
- The Mars distance = 25.2 *9000 = 226.8 (registered 227.9 million km error 0.4%)
- Mars distance = 119.7 (Venus/Mars distance) *1.9 = 227.9
- 361 (Metonic angles) *1.9 mars orbital inclination = 685.9 (687)
- 97.8 Uranus Axial Tilt *7 Mercury Orbital inclination = 684.6 (684 is the cycle 684 years where 684*4 = 2736 years)

Saturn

- 2.41 millions km (the moon orbit circumference) /20 (nodal years) = 120685 km (Saturn diameter)
- Saturn diameter / Earth diameter = 9.44
 - o 9.44 * 2.5 degrees (Saturn orbital inclination) = 23.5 degrees
- Saturn orbital distance = Saturn diameter * 109² (by this same equation the Earth & mercury orbital distances are defined where Moon orbit uses just 109 and Not the squared value).

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Appendix 5 The Planets Gravities Equation

The Planets Gravity=
= (Earth Diameter/ Planet Diameter)²* (Planet Mass / Earth Mass)* Earth Gravity

THE PLANETS GRAVITIES TABLE

Planet	Equation	Resulted	Registered	Error
The Sun	(Earth/Sun diameters rate) ² (Sun	274	274	0
	Mass/ Earth Mass)* earth gravity			
	$= (1/109)^{2} * 333000 * 9.8 = 274$			
Moon	$(3.66)^2$ x $(0.073 / 5.97)$ x 9.8	1.6 m/sec^2	1.6 m/sec^2	0
Mercury	$(2.61)^2$ x $(0.23/5.97)$ x 9.8	3.7 m/sec^2	3.7 m/sec^2	0
Venus	$(1.0538)^2 \times 4.87 / 5.97) \times 9.8$	8.9 m/sec^2	8.9 m/sec^2	0
Earth	9.8	9.8	9.8	0
Mars	$(1.878)^2 \times (0.642 / 5.97) \times 9.8$	3.7 m/sec^2	3.7 m/sec^2	0
Jupiter	$(0.0892)^2$ x $(1898 / 5.97)$ x 9.8	24.7 m/sec ²	23.1 m/sec ²	6.9%
Saturn	$(0.10582)^2$ x $(568/5.97)$ x 9.8	10.44 m/sec ²	9 m/sec ²	16%
Neptune	$(0.2575)^2$ x $(102/5.97)$ x 9.8	11.1 m/sec ²	11 m/sec ²	0.9%
Pluto	$(6.97)^2 (0.0131 / 5.97) \times 9.8$	1.04 m/sec ²	1.1 m/sec^2	5.4%

Note The Big errors caused by using of the squared values i.e. Saturn error isn't 16% but just 4% and Jupiter error isn't 6.9% but just 2.6% .. etc)

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The Planets Gravities Table Comments

- A- Why the gravity equation is working? If Each Planet Mass is independent, why such equation can be valid?! This equation tells us The Mass isn't independent, because of that the rates between the sizes & masses of one Planet can effect to define other Planets gravities.
- B- This equation proves easily there's a dependency between the Planets Masses with each other, i.e. the Planets Masses aren't independent.
- C- The Sun Herself follows this same gravity equation and that's a great reference proving that the Mass is Not Independent, but the Mass is produced by the Planet Motion.
- D-Through this equation we may explain why the Saturn has such small gravity less even than the earth gravity, spite of his mass around 95 folds the earth mass, where the reason is the Earth/Saturn circumferences rate, now because this number is (0.0892) and even we need the squared value which equal (0.00795664) this number, that caused the Saturn gravity to decrease so much... and that support the idea the Mass isn't independent.

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I do this research

1st Equation

Gerges Equations

The Planets Gravity=

 (Earth Diameter/ Planet Diameter)²* (Planet Mass / Earth Mass)* Earth Gravity

2nd Equation

The Planet orbital Period= The Previous Planet period * his orbital inclination (or Axial tilt)

3rd Equation

The Planet Mass=

=0.073*10²⁴kg (moon Mass)* 224.7 (Venus orbital period)* F(x)
(where F(x) is a function in the required Planet/ moon diameters
rate with orbital inclination & Axial Tilt of The required Planet,
Venus & Moon)

4th Equation

THE PLANET ORBITAL DISTANCE =

(Plant Diameter /Earth Diameter)* Earth Orbital Distance 1 AU
 * The Orbital Inclination of the Previous Planet.

5th Equation

Planet Orbital inclination =13.18 \star (F(x))

Where:

13.18: The Moon Motion degrees daily =(360/27.3days)

F(x) Is A Function Of The Planet & Moon OI & AX

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Гергес Фрэнсис Тавдрус Гергес	
Дата рождения	III. Viii•
Предыдущий документ об образовании	г. Москва
Сертификат о полном среднем образовании, 1994 год, Египет	т. Москва ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННО
	БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ
Вступительные испытания прошел Поступил(a) в	Учрёждение высшего
2010 году в Государственное образовательное учреждение высшего	ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАН
профессионального образования «Российский университет дружбы народов» (очная форма) Завершил(а) обучение в	«Российский университе дружбы народов»
2012 году в Федеральном государственном бюджетном образовательном учреждении высшего профессионального образования «Российский университет дружбы народов» (очная форма)	академическая СПРАВКА
Нормативный период обучения по очной форме 4 года	AB 3048222
Направление/специальность <i>Физика</i>	5429/н
Специализация не предусмотрена	(регистрационный номер)
Курсовые работы:	11 сентября 2012 год (дата выдачи)
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Практика	
не проходил	
Итоговые государственные экзамены:	
не сдавал	
Выполнение выпускной квалификационной работы	A.
не выполнял	Permop AEST
	Секретарь ООДД
Продолжение см. на обороте	Will by July
Документ содержит количество листов:	Auem No1