

The Solar System Geometry (Part I)

Gerges Francis Twadrous

2nd course student – Physics Department - physics & Math faculty –
peoples' friendship University – Moscow – Russia
gfrancis@yandex.ru / gergesfrancis@yandex.ru /+201022532292

Abstract

According to Carl Anderson Experiment 1932, by which he produced electron & positron from Gamma rays

I claim the solar system is created by the light through this same way, where, I claim

1- The Earth is The Big Electron

(i.e. the Earth Atom has a positive nucleus charge and cloud of electrons move around this nucleus "which is **Real** for the Earth")

2- 4 Planets (Mercury, Venus, Moon & Mars) together are The Big Positron

(i.e. The four planets Atoms have a negatives nucleuses charges and clouds of positrons move around these nucleuses (which is **supposed**)

3- The Attraction between the 5 inner planets depends on The Charge Attraction, Avoiding The Gravity Concept.

4 - The Outer Planets are depended on The Inner Planets

5- The sun is the solar system motions result

This paper tries to prove the Previous Theory.

(The solar system geometry is a series of papers, this first paper is dedicated for the previous theory proves only)



S. Virgin Mary Assumption into Heaven.

Written in Cairo – Egypt

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Gerges Francis Tawadrous/

1

2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..

gfrancis@yandex.ru gergesfrancis@yandex.ru

+201022532292

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation
I do this research

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

	<u>MERCURY</u>	<u>VENUS</u>	<u>EARTH</u>	<u>MOON</u>	<u>MARS</u>	<u>JUPITER</u>	<u>SATURN</u>	<u>URANUS</u>	<u>NEPTUNE</u>	<u>PLUTO</u>
Mass (10 ²⁴ kg)	0.330	4.87	5.97	0.073	0.642	1898	568	86.8	102	0.0131
Diameter (km)	4879	12,104	12,756	3475	6792	142,984	120,536	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 (degrees)	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	Unkown*	Unkown*	Unkown*	Unkown*	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	Unkown

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

The Contents

Subject	Pages
Abstract	1
Planetary Fact Sheet – Metric (The used Data in this paper)	2
The Contents	3
I-Introduction	4
II- The research Theory	6
III- The Research Method	7
IV- The Theory Proves	17
Chapter One : The Moon Orbit Radius	18
Chapter Two: The Outer Planet Mass	25
Chapter three: The Outer Planets	33
Chapter four : II definition	40
Chapter five: The Planets Axial titles & orbital inclinations Rates	43
Chapter six : The Inner Solar Planets Orbital Distances Total	50
Chapter seven: The Planet Day Length & Rotation Period	55
V- The Theory Proves General Discussion	57
Chapter Eight: Jupiter Equation	60
Chapter Nine: Saturn Data Overview	70
Chapter Ten: the Moon Trajectory	72
Chapter eleven: The Egyptian Astronomic Phenomenon 2737	79
Chapter Twelve :More proves for the theory	88
Appendix No. 1 "a list of the solar system pure coincidences"	91
Appendix No. 2: the Planets Gravities Equation	96
Author other Papers	98
Author curriculum vitae	99
Author University Certificate	100

I- Introduction

The solar system planets are created by the Light

From Anderson experiment 1932, we know that the electron & positron can be created by the light..

I suppose the solar system is produced by the light by this same way!
Let's try to find some comparisons between them..

1- The electron & positron are equal in Mass

But what we about the solar system?

The Earth Mass $= 5.97 * 10^{24}$ kg

And

The total four planets (Mercury, Venus, Moon & Mars) Masses $= 5.915 * 10^{24}$ kg

(It's very near to each other where the difference between them is 0.9%)

So, I claim

I- The Earth is the Big Electron

i.e.

The Earth Atoms will have positive charge in their nucleus with clouds of electrons around it (it's **Real** for the earth)

II- The four planets is Big Positron...

i.e.

The four planets have negative charges in their nucleus with clouds of positrons around it (as **I Suppose**)

Any way there's a difference between both Masses $= 0.9\% = 0.055 * 10^{24}$ kg

(this value we should treat in the following point)

2- The electron has negative charge & positron has a positive charge which causes the attraction between them..

The definition of charge isn't our question here...!

We interest for **The ATTRACTION Between The Electron & Positron**

We know there's some attraction between the planets which keeps the planets in their orbits and causes the planets motions..

What's The Planets Attraction Forces Source?

Let's try to see

We defined the masses as following

$$\begin{aligned} 1^{\text{st}} \text{ Side : Earth Mass} &= 5.97 * 10^{24} \text{ kg} \\ 2^{\text{nd}} \text{ Side : The (Mercury+ Venus + Moon+ Mars) Masses} &= 5.915 * 10^{24} \text{ kg} \end{aligned}$$

And the difference between them equals $0.9\% = 0.055 * 10^{24} \text{ kg}$

We know that

**The Sun/ Earth effective bending energy = $0.25 * 10^{34}$ Joule
(Fundamental Physics Book – David Halidy – Page No. 262)**

But

The Earth Mass is equal 50.2% of the total inner planets Masses (5 planets)

So

Total Effective Bending Energy (For 5 Planets) = $0.497 * 10^{34}$ Joule (1)

The Masses difference (Earth – 4 planets) = $0.9\% = 0.055 * 10^{24} \text{ kg}$

**The Masses Difference Energy = $mc^2 = 0.055 * 10^{24} \text{ kg} * (300000 \text{ km/s})^2$
= $0.495 * 10^{34}$ Joule (2)**

$$1 = 2$$

(error 0.4%)

(Note, I used the Light velocity for km & not for meters, that may effects negatively on this calculation, but I'll later try to find solution for that)

The Previous Calculations lead us to this paper theory as following:

II- The Research Theory

1- The 5 inner planets are produced by the light according to Anderson Experiment 1932 (The 5 inner planets are : Mercury- Venus- Earth- Moon – Mars)

a. The Earth at one side "**The Big Electron**" i.e. the Earth atom has a positive charge in its nucleus and cloud of electrons moves around it.

And

b. The 4 inner planets "Mercury, Venus, Moon & Mars" at the other side "**The Big Positron**" i.e. their atom has a negative charge in its nucleus and cloud of positrons moves around it.

2- The difference between the Earth mass & 4 rest inner planets total Masses = **The effective bending forces to the Sun (for all 5 inner planets).**

3- **The Attraction between Earth Atoms & 4 Rest planets atoms causes the motions of the 5 inner planets and **NO GRAVITY****¹

4- **The outer planets are depended on the inner planets.**

5- **The Sun is the solar system motions result**

¹ - Note Please, Newton gravitation equation is very similar to coulomb charge attraction equation which facilities the replacement of values, and supports this theory.

III- The Research Method

A- How can I prove this theory?

This paper, the first paper of my series (The Solar System Geometry), presents only the theory proves.

Where the next papers should discuss the solar system different details

But This Paper is dedicated for the theory Proves only

How can I prove this theory?

I'll try to prove that, my classification for the Solar system is correct.

I.e.

I Should Prove The Following,

- **The inner planets data are distinguish from the outer planets data**
- **The inner planets data are distinguish into Earth at one Side & 4 inner planets (Mercury, Venus, Moon, Mars) at the other side.**
- **The outer planets are depended on the inner planets.**
- **The Sun Is The Solar System Motions Result.**

B- Why This Proof Is Sufficient

Why this proof is sufficient?

1st- This theory tells us that the inner Planets are produced by the light, where the Earth is the big electron (i.e. the Earth atom has positive charge in its nucleus around which there's a cloud of moving negative electrons.. that's true for the Earth) and the four rest inner planets together are the big Positron (The 4 Planets are Mercury, Venus, Moon & Mars, where their atom should have negative charge in its nucleus around which there's a cloud of positrons moves "which is supposed"). **This process seem as process produces 2 opposite elements each of both is the complementary for the other.**

- **i.e.** The Earth at one Side & 4 rest inner planets at the other side **are 2 opposite components, each of them is the complementary for the other** (as the electron & positron have opposite charges and based on this opposite charges the attraction between them is found) that's the same for the Earth & 4planets. (**Avoiding The Gravity Concept**)
- As the electron & positron, their opposite charges are found in their Basic structures & these charges are distinguished characteristic for both of them. We don't see the charges but we see their results, So the **Data analysis for the electron & positron** should explain the **Distinguish Line** between both because their structures are distinguished..
- **i.e.** we should realize that **The Distinguish Line** between the Earth data at one Side and the 4 inner planets data at the other Side **is An Essential Distinguish Line, found in their deep structures.**
- **i.e.** There's **A Deep Distinguish Line** between Earth Data at one Side & the 4 rest inner planets data at the other side **and this Distinguish Line is the proof that the 5 inner planets are produced by the light beam..**
- **i.e.** **The Earth Data should be distinguished deeply from the other 4 Inner Planets data If The 5 Inner Planets Are Produced By The Light According To Carl Anderson Experiment 1932.**

2nd- This theory tells us **That The Outer Planets Are Created Depending On The Inner Planets**.. because the 5 inner planets are found directly by the light beam splitting according to Anderson experiment 1932.. So the outer planets must be produced depending on the inner Planets for next reasons:

- The solar system harmony tells us there's no another source for the outer planets creation, i.e. the outer planets are created by the same source from which the inner planets are created.
- Example for explanation.. the sun light beam & the reflected light beam. **The original & reflected beams are light and have the same nature, but the production methods of both are different**. By this same way the outer Planet is different from the inner Planet.
- The Data Analysis shows that, the outer Planets have a real Dependency on the inner Planets (Hypothesis which I should prove through the outer Planets data analysis).
- **Note.** We study the solar system data **without outer definitions**, so we may learn all definitions from the solar system himself if we can provide proves for any definition we may found..
- I should assure again that, **The Solar System Data Is Our Book**, we deals with such data in very high respectful meaning, that because this data is found in the solar system geometrical structure.

3rd- **This theory tells us that the sun is the solar system result..** but the sun study I should delay to the next paper because, as aforementioned, we should learn our definitions from the solar system geometrical structure as well as we should not depend only on what we see, because the solar system is hidden partially (as I suppose) .. that **tells us there's a big gab between what we think about the solar system & what's the truth of the solar system!** i.e. we have hard work in this paper till reach to the solar system geometry basics... So it's logical to study the solar system motions result (The Sun) in the next paper of this series (The Solar system geometry analysis).

Let's to summarize the required proves for this theory,

I SHOULD PROVE

- **The inner planets data are distinguish from the outer planets data**
- **The distinguish between the inner & outer planets data should be related to the earth**
- **The outer planets are created depending on the inner planets**

C- The Research Using Method

**I Suppose The Solar System Is Hidden Partially,
I.e. What We See Of The Solar System , Is Just A
Part Of The Whole Solar System,**

For that reason, I found the only suitable method to study the solar system geometry is,

**The Solar System Planets Data Analysis
(Because the hidden part is a complementary to the seen
one)**

But

Why we need this new Method to study the solar system geometry?

Let's try to answer this question

D- The Research using method necessity

The solar system proved that, he's very complex where we couldn't understand along more than 500 years of the physics studies, where we still have many historical unsolved problems, among which

- 1- The Moon trajectory explanation.
- 2- The solar day seconds definition

I don't try to make a list for the solar system unsolved problems, I try to prove the solar system complexity,

So
The next question should be

Why the solar system is such complex?

Let's try to answer this question as following

The solar system study difficulties

I hope in this short report to refer to some of the solar system study difficulties,

Where in appendices (No. 1 & 2) I listed the full detailed explanations of such difficulties.

Because I want to make no disturb for my theory hypothesis & Proves

I- The Irregularity

This is the first problem faces the researcher, the solar system irregularity.

The observer looks at the solar system different motions, and found them easy motions before his eyes, and then the irregularity will be appeared, So the easy motions and understanding will transfer into some complex theories, which even lack the complete explanations!

Let's see few examples for the solar system irregularity

The Solar system irregularity few examples

A- The First example for the solar system irregularity is, **Bode law**. Bode law controls easily 6 planets (from Mercury to Saturn), but fails to control the rest 3 planets (from Uranus to Pluto)! For that Bode Law is refuted and considered untrue Law.

B- The second rule I add here, which I discovered by my self. I found the following equation

The planet orbital distance = The planet diameter * 109^2 .

But Note Please, this equation

controls just Mercury, Earth & Saturn orbital distances only!

see that as following

- ❖ 4879 km (Mercury diameter) * $109^2 = 57.9$ millions km
(Mercury registered orbital distance 57.9 mkm - error 0%)
- ❖ 12756 km (Earth diameter) * $109^2 = 151.554036$ millions km
(Earth registered orbital distance 149.6 mkm- error 1.2 %)
- ❖ 120536 km (Saturn diameter) * $109^2 = 1432.08$ millions km
(Saturn registered orbital distance 1433.5 m km- error 0%)

The irregularity meaning

The irregularity means there's a rule controls the planet & there's an exception for this rule!

II- The ambiguity & Solar System "Pure Coincidences"

The pure coincidences in the solar system geometry are the next big problem..

The expression "pure Coincidences" doesn't help us to understand what's happening, let's see that

Few examples

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?!
2. The sun size = 400 folds moon size but $400 = 3.66 \times 109$, 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"!
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 : the lunar eclipse umbra length = the Sun diameter!) (**Pure Coincidences!!**)
4. The Sun circles the earth in 365.25 days = the Earth orbital Period! Where Metonic Cycle which is a lunar Cycle depends on this sidereal year 365.25 days (Metonic Cycle is 19 sidereal years = 6939.75 days) ... by the way no any two planets in the solar planets have the same Cycle period, even the moon who follows the Earth his year = 354.3 days & NOT equal the earth orbital period!!
5. **$(\text{Earth diameter} / \text{Moon diameter})^2 = \text{Earth Cycle} / \text{Moon Cycle}^2$.**
6. The creature harmony with the universe! So why the creatures sleep at night? while the sun is absent. Because the creature body is made of light and when the Sun (the source) is absent, the bodies feel the fatigue & strain..

(Note please: in appendix No. 1 I provide a long list for the solar system "pure Coincidences")

² - Note please, by this same rate the Earth & moon gravities are defined, in appendix No. 2 I provide a rule controls the solar planets gravities supports this idea..

E- The Solar system Geometry discussion

In this discussion I present the Method details by which I should study the solar system geometry as following:

1st- I interest for the Solar Planets Data considering this data as the solar system geometry book from which we should learn the physics & Geometry. For that reason the Solar Planets Data is our crucial proof for any theory, definition or explanation I may find or explain in this study.

2nd-**I suppose the solar system is hidden partially** i.e. the direct vision can't be a crucial proof for the solar system geometry. and for that the Solar Planets data analysis is the most important method to discover the solar geometry Relationships.

3rd- Through the Solar Planets Data Analysis I should define the solar system geometry relationships clearly, let's see an example for more clear understanding

- a. **Example for explanation:** Mars Orbital Period 687 days = **25.2 Mars Axial Tilt** * 27.3 Moon orbital Period = **1.9 Mars orbital inclination** * 365.25 days Earth orbital Period.. this example tells us there's some Relationship between the Earth/Moon Cycles & Mars orbital Period (actually this tells us also there's a Relationship between Moon orbital period 27.3 days & Earth orbital period 365.25 days)... that can't be "**pure Coincidences**"! it's the solar geometry data but we don't understand because of our misunderstanding for the solar geometry definitions.

4th- It's better to define the same relationship through **more than one equation**. As we have seen in the previous example, Mars orbital period is defined through Earth & Moon orbital periods! But the Moon is the Earth follower! (or some called them a binary system), any way the Mars orbital Period relationship is supported now because of the Earth/ Moon Relationship. **Note please** if Mars orbital Period Relationship defines 2 different planets (for example Venus & Pluto) in this case Mars orbital period relationship lacks the support because there's no clear relationship between Venus & Pluto.

5th- Then I should collect all solar geometry Relationships, which we discovered through the solar planets data analysis, then put them together in one complete system, from which we may learn new

definitions or theories, and by such way may we can get more clear vision for the solar system.

6th- Then I should use this extending solar system vision to explain the solar system different phenomena, that may help us to solve some of historical unsolved solar system questions.

7th- General Notes

I need to refer to many important basics in our study as following:

- ❖ **I consider the solar system as one machine**, where I consider all solar planets are contributors in this Machine. i.e. The 9 solar planets (or more) + The Sun, all of them are **just one machine**. All of them work **Together** to perform **one job**

- ❖ That means, the numbers in planets datasheet is personal for each planet (and the sun), and this data will still related to her original planet even if we saw used by another planet...

- ❖ I wish the reader bears with me a little till we see the picture in much better, because I suppose the solar system is hidden partially, for that reason we can't just overstep the data considering what we see is the truth! Because what we see is proved untrue, and we need deep analysis to see in much better this solar system..

- ❖ The final solar system geometrical explanation will be found based on all the available data, which we try to provide through our analysis in every point...

- ❖ Through our geometrical analysis we have to define many concepts such as the Mass, Energy, Time, place.... And many others, which will help us to see the real vision clearly...

IV- The Theory Proves

The Theory Proves are written in the following 5 Chapters...

Each chapter presents one proof for the same theory...

As following:

Chapter One : The Moon Orbit Radius

1st Proof: The Solar Planets Diameters Are Classified Into Inner & Outer Planets Based On Their Relation To The Earth.

- The Theory Revision

The theory tells us the following,

- The Earth is the Big Electron (atom has positive charge in nucleus)
- The inner 4 rest planets are the Big Positron (atom has negative charge in their nucleus)
- The Attraction between the 5 inner planets depends charges attraction & **No Gravity**
- The outer planets are created depending on the inner planets

We should remember what I have to prove..

I have to prove the following,

- **The inner planets are distinguish from the outer planets**
- **The inner planets are distinguish into Earth & 4 inner planets**
- **The outer planets are created depending on the inner planets..**

Let's present our first proof

1st Proof : The Solar Planets Diameters Are Classified Into Inner & Outer Planets Based On Their Relation To The Earth.

i- The Earth circumference.

- ❖ The 5 inner planets diameters total (Mercury, Venus, Moon, Earth & Mars) = The Earth circumference
- ❖ 5 inner planets diameters addition = $4879 + 120104 + 12756 + 3475 + 6792 = 40006 \text{ km}$
- ❖ **40006 km: is the Earth Circumference** (error 0.1%)

5 Inner Planets Diameters Total = Earth Circumference (1)

ii- The Moon Motion Freedom Space

we know

- The moon orbital distance in apogee is 406000 km (The far point from Earth)
- The moon orbital distance in perigee is 363000 km (The Nearest point to Earth)

So

- The difference between them (i.e. The moon motion freedom range) = $406562 \text{ km} - 363000 \text{ km} = 43562 \text{ km}$

Moon diameter = 3475 km

So

The Free Space in Moon motion freedom Range = $43562 \text{ km} - 3475 \text{ km} = 40082 \text{ km}$

where 40082 km: is the Earth Circumference (error 0)

The Free Space in Moon motion freedom Range = Earth Circumference (2)

From 1 & 2

So

5 Inner Planets Diameters Total = The Free Space in Moon motion freedom Range = Earth Circumference! (3)

iii- The Moon Orbit Radius (in apogee)

The solar system planets diameters total =

$$= 4879 + 120104 + 12756 + 3475 + 6792 + 142984 + 120536 + 51118 + 49528 + 2309 = \mathbf{406562 \text{ km}}$$

406562 km: is the Moon Orbit Radius while the moon is in apogee (the farthest point from the Earth)

The Solar System Planets Diameters Total = The Moon Orbit Radius (in apogee) (4)

iv- The Moon Orbit Radius (in perigee)

A-

The Outer Planets Diameters Total = 366556 km (5)

i.e.

$$142984 \text{ km (Jupiter diameter)} + 120536 \text{ (Saturn Diameter)} + 51118 \text{ km (Uranus diameter)} + 49528 \text{ km (Neptune diameter)} + 2390 \text{ km (Pluto diameter)} = 366556 \text{ km}$$

B-

The Moon Orbit Radius In perigee = 363000 km (6)

$$\mathbf{\underline{5 = 6}} \quad (\text{error } 0.9\%)$$

Actually the difference 0.9% (less than 1%), equals the moon diameter 3475 km,

So if we consider the Moon orbit radius in perigee including the moon diameter the total will = the outer planets diameters total

Moon Orbit Radius In Perigee Including The Moon Diameter = The Outer Planets Diameters Total

V- The Total Solar Eclipse Umbra Length

The total solar eclipse is occurring just when the moon be in perigee (at distance 363000 km from the Earth. The nearest point to the earth).

As we learned in the previous point (point vi),

The moon orbit radius in perigee including the moon diameter = outer planets diameter total

So, The sunlight beam length which falls on the moon and causes the total solar eclipse umbra, should be = The moon Radius in Perigee + Moon diameter = 363000 km + 3475 km = 366475 km = the outer planets diameters total.

So we learned here that

The total solar eclipse umbra length = Moon Orbit Radius in perigee = The outer planets diameters total

Note:

The total solar eclipse umbra length & Moon Orbit Radius in perigee, including the moon diameter.

1st Proof Discussion

I- Let's to summarize the previous results

A-

Earth Circumference = 5 Inner solar planets diameters total = The free space in moon free range motion (from Apogee to perigee) = 40000 km

B-

Solar System Planets Diameters Total = Moon Orbit Radius (in apogee)

C-

Moon Orbit Radius In Perigee Including The Moon Diameter = The Outer Planets Diameters Total = the total solar eclipse umbra length

II- The Discussion

- The relationship between the moon motion & solar planets diameters can't be considered as "pure Coincidences" at any case.
- Because it's Impossible & illogical to imagine that the "pure coincidence" can create the following
 - o The moon motion free space = 5 inner planets diameters = Earth circumference, and
 - o The moon orbit at perigee = the outer Planets diameters,
 - o So the addition results the moon orbit radius at apogee!
- I need to confirm that, **There's A Physical & Geometrical Reason which connects between the moon motion & the planets diameters!** But we can't understand this reason because of our misunderstood definitions.. and these wrong definitions themselves are the reason for our solar system misunderstanding.
- This 1st proof of my theory tells us that, the "simple pure Coincidences" are a complex groups of puzzles but need some analysis to be seen, which refutes the claim " the pure coincidences have no explanation"
- This first proof shows the moon motion relationship with the solar system diameters, which is confirmed through the proof, where it's necessary to perform more deep analysis to explain the way by which the solar planets diameters form the moon orbit radius, for that I dedicated one complete chapter for the Moon study in Part 2 of this paper titled "the Moon Trajectory"

1st Proof Conclusion

A-

Earth Circumference = 5 Inner solar planets diameters total = The free space in moon motion (from Apogee to perigee) = 40000 km

i.e. There's a clear distinguish between the inner & outer planets diameters (1st theory point)

B-

Solar System Planets Diameters Total = Moon Orbit Radius (in apogee)

i.e. the inner & outer planets diameters are complementary to each other (4th theory point)

C-

Moon Orbit Radius In Perigee Including The Moon Diameter = The Outer Planets Diameters Total = the total solar eclipse umbra length

i.e. There's a clear distinguish between the inner & outer planets diameters (1st & 2nd theory points)

Chapter Two: The Outer Planet Mass

2nd Proof: The Solar Planets Masses Are Classified Into Inner & Outer Planets Based On Their Relationships to the Earth.

A- The Planets Masses

The Planets Masses

The Four inner planets Masses total (Mercury, Venus, Moon, Mars)	= 5.915 * 10 ²⁴ kg
The Earth Mass	= 5.97 * 10 ²⁴ kg
The inner 5 planets Masses total	= 11.885 * 10 ²⁴ kg
The outer 5 planets Masses total (outer 5 planets are Jupiter, Saturn, Uranus, Neptune, Pluto)	= 2654.8131 * 10 ²⁴ kg
All solar planets Masses together	= 2666.69* 10 ²⁴ kg
The Sun Mass	= 1988500* 10²⁴ kg

B- The Outer Planet Mass Equation

The Outer Planet Mass = his orbital inclination * An inner Planet orbital distance

What does this equation tell us?

This Equation tells us that,

- ❖ The outer Planet Mass is defined by the inner planet orbital distance through the outer planet orbital inclination! i.e. Each specific outer planet is connected with a specific inner planet (composite together a couple). where the outer planet Mass is depended on the inner planet distance through the outer planet orbital inclination.
- ❖ This equation is a great proof for this paper theory which supposes that, **the outer Planets are created depending on the inner Planets** that because the inner Planets are the direct products produced by the light beam as the theory tells us, So we have to conclude that the outer planets are created depending on the inner planets which is proved strongly by this Equation.
- ❖ This equation tells us that , Pluto is out of this Equation Range but we need later to explain the reason not only why Pluto doesn't follow this equation but, in much important, why Pluto has such tinny mass?

Let's see this equation applications as following:

C - The Outer Planet Mass Equation applications:

The Equation

The Outer Planet Mass = his orbital inclination * An inner Planet orbital distance

The Applications

For Mercury

- 1- **102 Neptune Mass = 1.8 Neptune orbital inclination * 56.66 millions km (MERCURY orbital distance 57.9 m km) (error 2.1%)**

For Venus

- 2- **86.8 Uranus Mass = 0.8 Uranus orbital inclination * 108.5 m km (VENUS orbital distance 108.2 m km) (error 0.2%)**

For Mars

- 3- **568 Saturn Mass = 2.5 Saturn orbital inclination * 227.2 m km (MARS orbital distance 227.9 m km) (error 0.3%)**

For Earth!

- 4- **1898 Jupiter Mass = 1.3 (Jupiter orbital inclination) * Π^2 * 149.6 (Earth orbital distance 149.6 m km) (error 1.1%)**

The 4 applications average error = 0.9%

D-The Outer Planet Mass Equation Discussion:

We have 2 points to study in this discussion:

I- The Equation discussion

II- why Jupiter doesn't follow this equation.

Let's start with the first point.

I- The Equation discussion

1. The Mass factor 10^{24} kg is proportional to the resulted distance values in millions km
2. **This equation defines the outer planet Mass based on the inner Planet orbital distance Through the outer Planet orbital inclination.**
3. **The Three Outer Planets (Neptune, Uranus & Saturn) Follow the equation perfectly (these calculations can't be considered "pure coincidences")**
4. **The 4 applications (with Jupiter) average error is 0.9% which support the theory.**

Through this Equation we saw specific outer Planet is related to specific inner Planet to form a couple through the outer planet orbital inclination i.e. we learnt from this equation the following:

- Saturn is coupled with Mars
- Uranus is coupled with Venus
- Neptune is coupled with Mercury
- Jupiter?! (The exception because he defines Saturn & Earth which we have to discuss)

5. This Equation is a curial proof that the outer Planets are created depending on the inner planets.

Where

The theory tells us that the inner planets are the Light beam direct products based on Anderson experiment, So it's logical to deduce that the outer planets are created depending on the inner planets, which's proved clearly by this Equation.

II- Jupiter Question

Why Jupiter doesn't follow the Equation to define the Earth orbital distance in place of Saturn orbital distance?

Jupiter equation defines the Earth orbital distance through an additional Factor Π^2 , which isn't used in any other outer planet equation! As we see in following

1898 Jupiter Mass = 1.3 (Jupiter orbital inclination) * Π^2 * 149.6 (Earth orbital distance) (error 1.1%)

We should notice that, this factor Π^2 isn't found in any of the other three Equations, and without this factor Π^2 , Jupiter equation will define Saturn Orbital distance as following

1898 Jupiter Mass = 1.3 (Jupiter orbital inclination) *1433.5 (Saturn orbital distance) (error 1.8%)

So, we can see that Saturn & Earth equations are the same equation with Rate of Π^2 .

Actually this factor Π^2 is the USUAL RATE between Saturn & Earth Data, we can see that as following:

The statement	Error
Saturn orbital distance 1443.5m km = Earth orbital distance 149.6 m km * Π^2	2.9%
Saturn diameter 120536 km = Earth diameter 12756 km * Π^2	4.3%
Saturn Mass $568 \cdot 10^{24}$ kg = Earth Mass $5.97 \cdot 10^{24}$ kg * $10 \Pi^2$	3.6%
Saturn orbital Period 10747 = Earth orbital period 365.25 * $3\Pi^2$	0.7%
Earth Axial Tilt 23.44 = Saturn orbital inclination 2.5 * Π^2	5.3%
Earth Circumference 40080km * Π^2 = 406000 km moon orbit radius	2.5%

The previous table tells us that, Jupiter Equation defines Saturn orbital distance and through Saturn, Jupiter defines the Earth orbital distance

So, Jupiter equation is one Equation defines both Saturn & Earth orbital distances.. (but Earth orbital distance is defined through Saturn orbital distance)

But why does that happen?

Why Π^2 is used in Jupiter Equation to define the Earth?

- ❖ Because the Earth is connected with the Moon, this Factor Π^2 is used in Jupiter equation to define the Earth distance.
- ❖ The other three inner planets have no moons for that this Factor Π^2 isn't found in their Equations..

The Saturn / Moon Relationship proves that

Saturn/ Earth/Moon Relationship

The statement	Error
6.7 (moon axial Tilt) = 2.5 Saturn orbital inclination * 2.6 Venus complementary Axial tilt (180-177.4 = 2.6)	2.6%
26.7 Saturn Axial Tilt = (5.16) ² (5.1 is moon orbital inclination)	1.1%
10747 Saturn orbital period = 6939.75 days (Metonic Cycle) *1.5 (moon net degrees at the Earth 6.7-5.1)	3.1%
$\Pi^2 = 6.7$ Moon Axial Tilt *1.5 (difference between moon Axial tilt 6.7 - moon orbital inclination 5.1)	1.7%

Note:

Jupiter Equation still needs a deep analysis and wide discussion, but surely we can't extend our theory proves here to include such wide discussion for that I dedicated a complete chapter titled "**Jupiter Equation**" (Chapter No. 8 of this Paper)

2nd Proof Discussion

This proof depends on the outer planet Mass equation

The Outer Planet Mass = his orbital inclination * An inner Planet orbital distance

Where we have discussed already this equation, So we should get a general overview on the proof.. as following

1. The outer Planet Mass Equation tells us the outer planet Mass is depended on the inner planet orbital distance through the outer planet orbital inclination
2. **The Equation works for the outer Planets perfectly**
3. So, Saturn is related to Mars, Uranus is Related to Venus, and Neptune is related to Mercury according to the 3 equation applications
4. This proof gives us a new meaning by creating a Relationship between the **Planet Mass & another Planet orbital distance!** Many will claim "these equation calculations are just Pure coincidences" and that's absolutely incorrect.. because **we have no correct definition for the Mass (nor for the Matter)..** So it's impossible to suppose the equation is mistaken because the planets data is trustee
5. The next direct question is **How such relationship can be found?** Is it possible to find such relationship between the Mass & Distance? Actually we need a theoretical explanation for this strange equation...for that in chapter 8"**Jupiter Equation**" I should try to present a theoretical explanation for the Mass/distance relationship.

The 2nd Proof Conclusions:

(1)

The inner planets Masses are distinguish clearly from the outer planets Masses

(2)

The outer Planet Mass is created depending on The inner Planet orbital distance through the outer Planet orbital inclination.

(3)

The Mass isn't independent but dependent on the motion.

Chapter three: The Outer Planets

3rd proof: The outer planets are created depending on the inner planets

I- The outer Planet orbital distance

The outer Planet orbital distance = the inner planet orbital circumference

Let's examine that accurately as following

Planet	The Equation	Error
Mars (1)	Mars orbital distance 227.9 * 2Π = 1432.5 millions km 1433.5 m km is Saturn orbital distance	0.6%
Mars (2)	Saturn orbital distance 1432.5 m km * Π = 4505.2 m km, 4495.1 m km is Neptune orbital distance	0.2%
Earth (1)	Earth orbital distance 149.6 m km * 2Π = 2955.19 m km 2872.5 m km is Uranus orbital distance	2.8%
Earth (2)	2872.5 m km Uranus orbital distance * 2Π = 5910 m km 5870 m km is Pluto orbital distance	0.6
119.7 m km	119.7 m km (Venus / Mars distance) * 2Π = 752.4 778.6 m km is Jupiter orbital distance	3.3
	Average error	1.5%

The Outer Planet Orbital Distance Discussion

The previous table tells us the following

- **The outer planets orbital distances are the circumferences of the inner planets orbital distances!** This very strange information is supported by **all** outer planet orbital distances! (surely that can't be Pure Coincidences at any way)

- The outer planets distances definition is depended on 3 lines
 - The first line is Earth orbital distance through which Uranus & Pluto orbital distances are defined
 - The second line is Mars orbital distance through which Saturn & Neptune orbital distances are defined
 - The third is Jupiter orbital distance which depends on the distance between Venus & Mars.

- Even (Saturn / Mars Couple) which we found in the outer Planet Mass Equation, we can see him here where Saturn is exactly = Mars orbital distance circumference.

- Actually it's not logical to find each outer orbital distance equals the direct circumference of his inner couple planet, because the distances between the planets are overlapping which causes to hide some of the solar system... I present one example for explanation
 - **Example for explanation.** in Mass Equation... Uranus Mass is defined based on Venus orbital distance, So we has a couple of Uranus & Venus which pushes us to suppose that, Uranus

orbital distance should be the circumference of Venus orbital distance but we didn't find that here, we found Uranus is The Earth orbit Circumference... but Uranus also is defines as Venus orbit circumference as following..

- Where 670 m km is the distance between **Jupiter & Venus** . So $670 * \pi = 2105.7$ m km and **this distance 2105.7 m km** is the Uranus/ Jupiter distance i.e. **Uranus is Venus orbit Circumference through Jupiter**, and because of Jupiter relationship, the Uranus / Venus equation isn't clear as Mars / Saturn equation.

In my old paper here

"http://mts-nphys.nature.com/nphys_files/2015/07/09/00030543/00/30543_0_art_file_223984_nr8jkr.pdf

I prove how the planet orbital distance can be classified according to the planets relationships.

II- The Outer Planet Orbital Period

**The outer Planet orbital Period = the inner planet orbital Period
Circumference!**

Let's examine that accurately as following

Planet	The Equation	Error
Mars 687 days	Mars orbital period $687 * 2\pi = 4318$ days 4331 days is Jupiter orbital Period	0.3%
Mercury 88 days	Mercury 88 days * $4\pi^3 = 10927.39$ days 10747 days is Saturn orbital Period	1.6%
Earth (1) 1461 days	Earth orbital period Cycle $(365.25*4) = 1461$ days $*2\pi^2 = 28862$ days 30589 days is Uranus orbital period	5.6%
Earth (2)	Earth orbital period Cycle $(365.25*4) = 1461$ days $*4\pi^2 = 57724.4$ days 59800 days is Neptune orbital period	3.4%
Earth (3)	365.25 earth orbital period $*4\pi^2 = 90709$ days 90588 Pluto orbital Period	0.1
	Average error	2.2%

The Outer Planet Orbital Period Discussion

- The using of Π or 2Π provides the same meaning, also even Π^2 , Π^3 ... etc all such factors give us the same meaning (the circumference of the Cycle whose diameter is outer planet data)
 - For example, Mars Orbital distance 227.9 millions km * 2Π = 1432.5 millions km which is Saturn orbital distance (in this case Mars orbital distance = the Radius)
 - But 1432.5 Saturn orbital distance * Π = 4505 millions km which is Neptune orbital distance (in this case **Saturn orbital distance** is a diameter and Neptune depends on this distance to create his orbital distance)
 - These changes in distances values can be explained as different types of overlapping circles..
- The Value $2\Pi R$ for Period gives the same meaning for distance (as I supposed), the reasons as following
 - In my old paper (mentioned in previous Page) I proves that for Each Cycle in the Solar system there's an identical distance connects with this Period & effects each other mutually.
 - The definitions of Time & place are not clear for us, in physics or in geometry... simply we don't understand the difference between the place & time..

In next chapter (No. 4) I'll provide a definition for Π and tries to answer the question

"Why the outer planets data is circumference for the inner Planets data"

The Outer Planets Data Discussion

This study depends on the solar system data analysis for that the resulted values in both Tables are very important data..

- The distance table average error is 1.5%
- The Period table average error 2.2%

1. The low average error tells us that the claim is correct i.e. **the outer planets data are the circumferences of The inner Planets data!**

2. **i.e. the outer Planets data are depended on the inner Planets data which proves my theory**

3. **Note Please, the outer Planet diameters are following this same equation where**

- 12104 km Venus Diameter * Π^2 = 119557.87 km (Saturn Diameter with error 0.8%)
- 4879 km Mercury Diameter * Π^2 = 48192.57 km (Neptune diameter with error 2.6%) or Uranus Diameter with error 5.7%)
- 48192.57 km (Neptune diameter) * Π = 151462.3 (Jupiter diameter error 5.9%)
- Average error 3.7%

4. This data pushes us to find solution for this strange puzzle why the outer Planet data is the circumference for the inner planet data?

3rd Proof Conclusion

(1)

The outer planets are created depending on the inner planets

(2)

The outer Planets orbital distances & periods are the circumferences of the inner planets orbital distances & Periods because the outer planets are created by inner planets through these values.

(3)

**This data proves my theory,
Because the theory tells us the 5 inner planets are created by the light according to Anderson Experiment ,
So it's logical to deduce that the outer planets are found based on the inner planets, which proves strongly by this data**

Chapter four II definition

1- Introduction

In this chapter I try to explain why the outer planets distances & periods are the circumferences of the inner planets.

I have to write this explanation here while my theory proves aren't finish yet because I need to support the theoretical background for my proves.. And to explain, there's always explanations for the strange data...

Let's start with II definition

2- II definition

Every one knows " II" is the Circumference of the Circle whose diameter is 1 unit

That's the mathematical definition but what does that mean? what's the physical meaning?

I suggest,

The following physical definition for " II"

If there's a light beam its length = 1 unit

So

"II" is his reflected Light beam length

For that the circle diameter & circumference are the original light beam & his reflected light beam. i.e. both still together always...

3- Why the outer Planet distance is the inner planet circumference?

"The outer planet creation theory"

This paper theory tells us the inner planets are produced as direct products by the light according to Anderson experiment.. So how the outer planet is created?

1st hypothesis:

I suppose in Anderson experiment, the produced electron & positron are shown **before our eyes as matter but they are actually just 2 light beams,** and we **see them as electron & positron because we have material body,** for that all experiment will give the same meaning because of our material body..

Results: i.e. the 5 inner planets we see as matters because we have material bodies but the 5 inner planets Are Just 5 Light Beams!

4- The outer Planet creation

Now, based on the previous data & definition we may explain how the outer planet is created...

The 5 inner planets (who are 5 light beams) **are reflected**

Their reflected light beams will be found really with the original light beams

So they are **10 light beams** who we called **the solar system planets...**

The reflected light beam creates the outer planet (before our eyes) and for that the outer planet distance is the circumference of the inner planet distance

But we should note that, **the reflection may be accumulated**, so not just one direct reflection, but may be many accumulated reflection times which causes the factors Π , Π^2 , Π^3 ,..... etc

5- The straight & Curve geometries

That explains the existence reason of both geometries together in our universe, the straight line geometry & the curve line geometry...

Because the curve line is the reflected light beam where the straight line geometry is the original light beam

6- The Outer Planets Motions

Because the inner planets move by the attraction between the electron & positron Atoms,
Their motion still guide their light beams!

i.e. the inner planets light beams move in the same direction of their matters move

So, the reflected light beams will move based on these motions

for that the outer planets are depended on the inner planets in their motions.

let's me present an example for explanation..

7- Example for explanation

- Mars is a light beam but we see him as a matter because we have a material body
- Mars moves in harmony with the other inner Planets based on the charges attraction forces found between the inner planets (according to my theory)
- Mars motion by this force means motion of a light beam...
- Mars light beam is reflected and this reflected light beam creates Saturn orbital distance (as Mars orbit circumference... the circle location definition isn't important to discuss because we have no definition for the space!)
- Saturn orbital distance is a line connected between Mars & Saturn because this distance is mars orbital circumference i.e. this distance changes through Mars location changes... and this same distance defines Saturn body location changes...
- So Mars motion (as a light beam) is transferred into Saturn location (as a reflected light beam)

For sure this theory need deep study, but I just refer to how explain the outer planets tables values..

In next paper I should extend this explanation clearly, but now I should return to this paper theory proves.

Chapter five
The Planets Axial titles & orbital inclinations Rates

4th proof : The solar planets orbital inclinations & Axial Tilts are classified into inner & outer based on their relation to the Earth

I- The Axial Tilts / orbital inclinations Rate

The Axial Tilts / orbital inclination Rate is a specific factor for the inner & outer planets, we can see that as following...

i- The inner planets "Axial Tilts / orbital inclinations Rate"

- The 5 inner planets orbital inclinations total =
= $7+3.4+0.0+5.1+1.9 =$ **17.4 degrees,**

- The 5 inner planets Axial tilts total =
= $177.4+23.4+6.7+25.2 =$ **232.7 degrees,**

So,

Inner planets "Axial Tilts / orbital inclinations Rate" is

$$\underline{232.7 / 17.4 = 13.37356} \quad (1)$$

13.373 = moon sidereal Cycles during 365.25 days

**The inner planets "Axial Tilts / orbital inclinations
rate"**

= Moon sidereal Cycles during 365.25 days

ii-

The outer planets "Axial Tilts / orbital inclination Rate"

- The 5 outer planets orbital inclinations total =
= 1.3+ 2.5+ 0.8+ 1.8+ 17.2 = **23.6 degrees**

- The 5 outer planets Axial tilts total =
= 3.1+ 26.7+ 97.8+ 28.3+ 122.5 = **278.4**

degrees,

The outer Planets " Axial Tilts / orbital inclination Rate" is

$$\underline{\underline{278.4/23.6 = 11.88}} \quad (2)$$

Error 0.7%

11.88 = 5.1 (moon orbital inclination) +6.7 (moon Axial tilt)

The outer planets "Axial Tilts / orbital inclinations rate"

= (moon orbital inclination 5.1 + moon Axial tilt 6.7) =11.88

iii - The Previous Rates Total

The Previous Rates total (1+2)

$$\underline{\underline{13.373}} + \underline{\underline{11.885}} = \underline{\underline{25.2}} \text{ Degrees} = \underline{\underline{\text{The Mars Axial Tilt}}}$$

So

The Inner planets "Axial Tilts / orbital inclinations Rate" +

The outer planets "Axial Tilts / orbital inclinations Rate" =

=MARS AXIAL TILT

vi- **All solar planets "Axial Tilts / orbital inclinations Rate"**

- All solar planets "Axial Tilts / orbital inclinations rate" = **511/41 = 12.4634**

Note please.

This rate (511/41 = 12.4634) we should discuss in next chapter No. 6

THE DISCUSSION

The "Axial Tilts / orbital inclinations Rate" for outer & inner planets produced values related to the moon... let's see that

First

The inner "Axial Tilts / orbital inclinations Rate" produces: **13.3735**

- **13.3735 = Earth orbital Period / Moon orbital Period**
- **13.3735 = (Earth Mass / Moon Mass)* (Moon gravity/ Earth gravity)³**
- **13.3735 = (Earth diameter / Moon diameter)²**
- **13.3735 = 4331 d. Jupiter orbital period/ 327.6 d. Moon sidereal Year**

The previous data tells us that the value 13.3735 isn't common value.. it's found in the solar geometry depth and for that reason we found this value in many different equations as aforementioned..

Second

The outer "Axial Tilts / orbital inclinations Rate" produces: **11.88**

- **11.88 degrees = 5.1 (moon orbital inclination) + 6.7 (moon axial tilt)**
- **11.88 = 4331 days "Jupiter orbital period"/ 365.25 days Earth orbital period**
- **11.88 = 327.6 moon sidereal year / 27.5 (perigee month)**
- **11.88* 10²⁴ kg = 5 inner planets masses total**

Third

Both Rates Total

13.373+ 11.88 = 25.2 degrees (Mars Axial Tilt)

Note: -

The previous calculations tell us that these rates are very important rates for the whole solar system, So their addition (which is Mars Axial Tilt), should control all solar system Planets! So... Does Mars Axial tilt control all solar system planets?!

Let's see that!

³ - in appendix No. 5 I provide a table for the solar planets gravities equation

Mars Axial Tilt Control All Solar System Planets

If we use Kepler second law for all 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

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

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%

The table tells us

" MARS AXIAL TILT" controls all solar planets data..⁴

- ❖ After this table we may see that, the produced values by the equation (the inner & outer "Axial Tilts total / their orbital inclinations") aren't common values, **but important rates which control the whole solar system machine...** i.e. the inner & outer data classification is a deep distinguish in the solar system geometry, which proves my theory.

⁴ - Note please:

"I use NASA Data sheet, found after the abstract in 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?"

- ❖ **It's incredible to consider these calculations as "pure Coincidences"** because we move in accumulated series from the planets Axial tilt/ orbital inclination rate to Kepler law.. this accumulated process can't be "pure coincidences".
- ❖ The Planets orbital inclinations can be produced by the planets Axial tilts rates, which proves that the rates 13.3735 and 11.885 not produced by chance but because such rates are deep & common rates in the solar system..

In following I provide a table to define the planet orbital inclination through the planets orbital distances rate..

That supports the claim "the Axial tilt/ orbital inclination rate" is a deep rate in the planet Geometry..

The planet orbital inclination defines the Planet orbital distance.

	Registered	Error
778.6 m km Jupiter orbital distance / 108.2 m km Venus orbital distance = 7.19	7 <u>Mercury</u> orbital inclination	2.8%
778.6 m km Jupiter orbital distance / 227.9 m km Mars Orbital distance = 3.41	3.4 <u>Venus</u> orbital inclination	0.5%
778.6 m km Jupiter orbital distance /149.6 m km Earth orbital distance = 5.2	5.1 <u>Moon</u> orbit inclination	2%
108.2 m km Venus orbital distance /57.9 m km Mercury orbital distance = 1.868	1.9 <u>Mars</u> orbital inclination	1.6
5870 m km Pluto orbital distance /4495.1 m km Neptune orbital distance = 1.305	1.3 <u>Jupiter</u> orbital inclination	0.3%
149.6 m km Earth orbital distance/ 57.9 m km Mercury orbital distance = 2.58	2.5 <u>Saturn</u> orbital inclination	3.2%
4495.1 m km Neptune orbital distance/ 5870 m km Pluto orbital distance = 0.765	0.8 <u>Uranus</u> orbital inclination	4.3%
1433.5 m km Saturn orbital distance / 778.6 m km Jupiter orbital inclination = 1.841	1.8 <u>Neptune</u> orbital inclination	2.2%
2872.5 m km Uranus orbital distance / 149.6 m km Earth orbital distance = 19.2	17.2 <u>Pluto</u> orbital inclination	11.6%

The Planet orbital inclination tables discussion

- We found the planet orbital inclination effects the planet distance to the sun. this meaning is just new for us.. because we see the orbital inclination as an angle, and no one of us imagines that this angle effects on the planet orbital distance.. So the previous table tell us a new information beyond our direct realization for the planet orbital inclination.

4th Proof Conclusions:

(1)

The inner planets orbital inclination & Axial Tilt are distinguish clearly from the outer planets orbital inclination & Axial Tilt, which proves the research theory

(2)

The orbital inclination & Axial Tilt are rates controls many other Planet Properties.

Chapter six
The Inner Solar Planets Orbital Distances Total

**5th Proof: The inner Planets orbital distances total proves that:
The Solar System Planets Are Created By The Light**

I – The Inner Planets Orbital Distances Total

Mercury Orbital Distance 57.9 millions km +
Venus Orbital Distance 108.2 millions km +
Earth Orbital Distance 149.6 millions km +
Moon Orbital Distance 0.384 millions km +
Mars Orbital Distance 227.9 millions km +

= **544 millions km**

II - Total Planets Orbital Distances & Periods

A- Total Planets Orbital Distances & Periods

- Total all solar planets orbital **Distances** (57.9 + 108.2+ 149.6+ 0.384 (the moon orbit) + 227.9+ 778.6+ 1433.5 + 2872.5 + 4495.1+ 5870) = 15993.3 Millions km
- Total all solar planets orbital **Periods** (88+ 224.7 + 27.3+ 365.25 +687 + 4331+ 10747+ 30589 +59800+ 90588= 197447.2 days= 540.5sidereal years

The Rate

- **Total Periods/ Total Distances = 197447.2/15993.3 = 12.3439 (1)**

B- Total Planets Axial tilts & orbital inclinations

- Total solar planets Axial tilts (0.01+ 177.4+ 23.4+ 6.7+25.2+ 3.1+ 26.7+ 97.8+ 28.3+122.5) = **511.1 degrees**
- Total solar planets orbital inclination (7+ 3.4+0.0+ 5.1+ 1.9+ 1.3+ 2.5+ 0.8+ 1.8+ 17.2) = **41 degrees**

The Rate

- **Total Axial tilts/ Total orbital inclination = 12.4634 (2)**

1=2

(error 0.9%)

The Discussion

1st- How can be possible to add the distances by the previous way? The 5 inner planets orbital distances addition should = 227.9 millions km which is Mars orbital distance... So How can be possible for this addition to equal = 544 millions km?!

- In chapter 4 I presented a definition for Π , explaining that the inner planet is a light beam, and this light beam is reflected and So the 1 light beam becomes 2 light beams (The original & The reflected beams) and for that **the five inner planets become 10 solar system planets through these reflections** (Note we see the light beam as a planet or as matter because of our material bodies)
- It's important to understand that the Planet matter is seen just before our eyes as Matter because we have material bodies but **the planet is a light beam** and he moves as a light beam.
- The Planet Matter creation by the reflected light beam means **the Planet orbital distance is a light beam**, at this of this beam the planet creates his Matter.
- i.e. the planet orbital distance is a complementary part for the planet Matter
- i.e. the Planet orbital distance just a light beam and the planet Matter is created through the coherence for this light beam (Note please our vision for the planet is the reason of the light coherence)
- For that it's possible & logical to add the orbital distances together because **All These Distances Are Different Light Beams** that create the planets matters
- i.e. that's true the inner light beams lengths total = 544 m km while the inner total distance is 227.9 m km, and this distance doesn't express the real distances
- This argument supports my claim that the solar system is hidden partially.

2nd- How can we be sure that the total 544 millions km is a real value?

- Jupiter/ Mars distance = $(778.6 - 227.9 = 550.7 \text{ m km})$. this distance equal 544 millions km (error 1.2%)
- So, we can see that the distance 544 m km is a real distance defined by 2 planets orbital distances..
- More examples to define the distance 544 m km.
 - o $544 \text{ m km} = 5.12 \text{ (moon orbital inclination)} * 108.2 \text{ Venus orbital distance}$
 - o $544 \text{ m km} = 0.8 \text{ Uranus orbital inclination} * 680 \text{ m km (Venus orbit Circumference)}$
 - o $2872.5 \text{ m km Uranus orbital distance} = 544 \text{ m km} * 5.18 \text{ (moon orbital inclination) (error 1.9\%)}$
 - o $1433.5 \text{ m km Saturn orbital distance} = 544 \text{ m km} * 2.6 \text{ (Venus Com. Axial) (error 1.3\%)}$
 - o This several definitions of distance 544 m km through the solar planets data tell us this distance is a real, based on which these Planets data are created.

3rd-We found in the previous calculations that $1=2$, i.e. The solar planets total periods/ The solar planets total distances = The solar planets total axial tilts/ The solar planets total orbital inclination...

- i.e. the total planets distances & periods is a correct value based on which the Planets total Axial tilts &orbital inclinations are created..
- i.e. the total planets distances is correct idea, which supports my theory that the solar planets are created by the light.....**

- The planet orbital periods & distances depend on the planets Axial tilts & orbital inclinations, because their both rates are equal.. may that refer to one of our mistakes in the solar system study. Where we consider each planet as independent and we don't think about the planets total.. for example **what does mean the total planets orbital Periods?!** But if the solar system is one machine, in this case the total orbital periods will have an effective role.. as we discovered here

4th- **NOTE please, this Number (12.3439 or 12.4634) is our hard discussion** in outer Planet Mass chapter where he equal $(1.3 \Pi^2)$ (page **) in Jupiter Mass Equation, in which Jupiter defined Saturn in place of the Earth! **This number isn't just common or found by the way... it's one of the solar system basic values,** for that we should study once again in Jupiter Equation chapter.

5th Proof Conclusion:

**The solar system Planets are
created by the light**

Chapter Seven The Planet day length & rotation period

6th proof : The solar planets days lengths & rotation periods are classified into inner & outer based on their relation to the Earth

A- Rotation Periods

Total 5 **Inner Planets** Rotations Periods = $1407.6 + 5832.5 + 23.9 + 655.7 + 24.6 = 7944.3$ hours = **331 solar days** (1)

Total **Outer Planets** Rotations Periods = $9.9 + 10.7 + 17.2 + 16.1 + 153.3 = 172.8$ hours = **7.2 days**

B- Day lengths

Total **Inner Planets** Days Lengths = $4222.6 + 2802 + 24 + 708.7 + 24.7 = 7782$ hours which equals = **324.25 solar days** (2)

Total **Outer Planets** Day Lengths = $9.9 + 10.7 + 17.2 + 16.1 + 153.3 = 207.2$ hours = **8.633 days**

1+2

= 324.25 days + 331 days = **655.25 days**

where

655.25 days = $2 * 327.6$ days

327.6 days is the moon sidereal year

6th Proof Conclusion:

The solar planets days lengths & rotations periods are classified into inner & outer based on their relation to the Earth

V-The Theory Proves general discussion

I- we may remember our Theory

1- The 5 inner planets are produced by the light according to answer experiment 1932

- a. The Earth at one side "the big electron" i.e. the Earth atom has a positive charge in nucleus and cloud of electrons move around it.

And

- b. The 4 inner planets "Mercury, Venus, Moon & Mars" at the other side "the big positron" i.e. their atom has a negative charge in nucleus and cloud of positrons move around it.

2- The difference between the Earth mass & 4 rest inner planets total Masses = **The effective bending forces to the Sun (for all 5 inner planets).**

3- **The Attraction between earth Atoms & 4 rest planets atoms caused the motions of the 5 inner planets and NO GRAVITY⁵**

4- **The outer planets are depended on the inner planets.**

5- **The Sun is the solar system motion result**

⁵ - Note Please, Newton gravitation equation is very similar to coulomb charge attraction equation which facilities the replacement of values, and supports this theory.

II- We may take a look on the previous proves conclusions, as following

1st- 1st Proof Conclusions:

- ❖ Earth Circumference = 5 Inner solar planets diameters total =
The free space in moon motion (from Apogee to perigee) =
40000 km i.e. There's a clear distinguish between the inner &
outer planets diameters (1st theory point)
- ❖ Solar System Planets Diameters Total = Moon Orbit Radius
(in apogee) i.e. the inner & outer planets diameters are
complementary to each other (4th theory point)
- ❖ Moon Orbit Radius In Perigee Including The Moon Diameter
= The Outer Planets Diameters Total = the total solar eclipse
umbra length i.e. There's a clear distinguish between the inner
& outer planets diameters (1st & 2nd theory points)

2nd- 2nd Proof Conclusions:

- ❖ The inner planets Masses are distinguish clearly from the outer
planets Masses
- ❖ The outer Planet Mass is created depending on The inner
Planet orbital distance through the outer Planet orbital
inclination.
- ❖ The Mass isn't independent but dependent on the motion.

3rd- 3rd Proof Conclusion

- ❖ The outer planets are created depending on the inner planets
- ❖ The outer Planets orbital distances & periods are the
circumferences of the inner planets orbital distances & Periods

because the outer planets are created by inner planets through these values.

- ❖ This data proves my theory, Because the theory tells us the 5 inner planets are created by the light according to Anderson Experiment , So it's logical to deduce that the outer planets are found based on the inner planets, which proves strongly by this data

4th- 4th Proof Conclusions:

- ❖ The inner planets orbital inclination & Axial Tilt are distinguish clearly from the outer planets orbital inclination & Axial Tilt, which proves the research theory
- ❖ The orbital inclination & Axial Tilt are rates controls many other Planet Properties.

5th- 5th Proof Conclusion:

- ❖ The solar system Planets are created by the light

6th- 6th Proof Conclusion:

- ❖ The solar planets days lengths & rotations periods are classified into inner & outer based on their relation to the Earth

Chapter Eight

Jupiter Equation

1- introduction

Let's remember Jupiter Equation

In chapter 2 we defined the Outer Planet Mass Equation as following:

The Outer Planet Mass = his orbital inclination * An inner Planet orbital distance

Based on which we defined Jupiter Mass as following..

- For Earth definition

**1898 Jupiter Mass = 1.3 (Jupiter orbital inclination) * Π^2 *
149.6 (Earth orbital distance) (error
1.1%)**

- For Saturn definition

**1898 Jupiter Mass = 1.3 (Jupiter orbital inclination) *1433.5
(Saturn orbital distance)
(error 1.8%)**

In chapter 2 we dealt the Factor Π^2 which Jupiter uses to define Earth orbital distance..

also we learnt that

- Saturn Mass defines Mars orbital distance (Saturn/ Mars couple)
- Uranus Mass defines Venus orbital distance (Uranus/ Venus couple)
- Neptune Mass defines Mercury orbital distance (Neptune/ Mercury couple)

In this chapter we should discuss Jupiter Equation, trying to answer the following 2 important questions:

I- Can the outer Planet Mass define **another Planet orbital distance** through the replacement of his outer planet orbital inclination with another orbital inclination (or even Axial tilt)?

II- How such relationship can be found? i.e. How do explain that the Mass is depended on the orbital distance?

Let's try to analysis Jupiter equation forms

2- Jupiter Equation:

Jupiter equation has 2 different forms

A – Jupiter Equation 1st Form

**1898 Jupiter Mass = 1.3 (Jupiter orbital inclination) * Π^2 *
149.6 million km (error 1.2%)**

This form we discussed in chapter 2 and explained How Π^2 is found in this Equation.

B- Jupiter Equation 2nd Form Discussion:

1898 Jupiter Mass = 1.3 (Jupiter orbital inclination) * 1433.5
(Saturn orbital distances in millions km) (error 1.8%)

This Jupiter Equation form tells us the following

- **The outer planet Mass doesn't define his inner planet only (his couple member)**
- **But the outer planet Mass defines many other planets orbital distances through changes of his orbital inclination..**

So, the clear results of this Equation form will be the following:

- 1st- **The outer Planet Mass defines his coupled inner planet orbital distance through the outer planet orbital inclination**
- 2nd- **By change the outer planet orbital inclination, the outer Planet Mass can define many other Planets orbital distances!**

So, we need to prove these both results and explain their reasons

Let's see different forms of the outer Planet Mass Equation

I- Outer Planet Mass defines other orbital distances..

In the following we'll see equations prove that the outer Planet Mass can define other planets orbital distances through change the orbital inclination...

Jupiter

- 1- **1898 Jupiter Mass = 2.5 (Saturn orbital inclination)* 759.2 m km** (Jupiter orbital distance "778.6m km" error 2.5%)
- 2- **1898 Jupiter Mass = 17.4 (total orbital inclinations of the inner five planets) * 109 m km** Venus orbital distance (error 0.7%)
- 3- **1898 Jupiter Mass = 17.2 (Pluto orbital inclination) * 110.34 m km** (Venus Orbital distance "108.2m km" error 1.97%)

Saturn

- 4- 568 Saturn Mass = 5.1 (Moon orbital inclination)* 111.37 m km
(Venus Orbital distance "108.2 m km" error 2.9%)
- 5- 568 Saturn Mass = 3.4 (Venus orbital inclination)* 167 (Mercury /
Mars distance "170 m km" 1.7%)

Uranus

- 6- **86.8 Uranus Mass** = 1.5 (6.7 moon Axial Tilt – 5.1 moon orbital
inclination) * 57.9 m km (Mercury orbital distance (6.3%))

Neptune

- 7- **102 Neptune Mass** = 1.3 (Jupiter orbital inclination)* 78.46 m km
(Earth/ Mars distance "78.3 m km" error 0.2%)
- 8- **102 Neptune Mass** = **2.5** (Saturn orbital inclination) * 40.8
(distance between Venus & Earth error 1.4 %)

II- The Masses Total

- 9- **2654.8131** the outer 5 Planets total Masses = 3.4 (**Venus orbital
inclination**) * 780.8 millions km (Jupiter orbital distance error
0.2%)
- 10- **2654.8131** the outer 5 Planets total Masses = 17.2 (**Pluto orbital
inclination**) * 154.3 millions km (149.6 m km Earth orbital
distance error 3.1%)
- 11- **2654.8131** the outer 5 Planets total Masses = 1.8 (**Neptune orbital
inclination**) * 1474.8 millions km (1433.5 m km Saturn orbital
distance error 2.8%)
- 12- **2666.69** All solar planets Masses total = 1.9 (**Mars orbital
inclination**) * 1403.5 millions km (1433.5 m km Saturn orbital
distance error 2%)
- 13- **2666.69** All solar planets Masses total = **5.1 (Moon orbital
inclination)** * 522.8 m km (544 m km is the inner planets total
distances error 3.8%)

The Main question is

Why can the outer planet Mass define many different planets orbital distances?

This question we should answer in following...

The Outer Planet Mass Defines Many Other Planets Orbital Distances

The Discussion

(supported by the discussion is chapter 4 "Π definition")

- ❖ The theory tells us the inner Planets are produced by the Light beam as direct products (according to Anderson Experiment), but How the inner planets are found?!
- ❖ The solar system motions harmony force us to suppose that, the outer Planets are produced by the same source, by which the inner planets are produced, even by a different method... So I should confirm that all planets source is the same but the inner planets creation method is different from the outer planets creation
- ❖ So, the distinguish between the inner & outer planets data shows the creation different methods but the solar system harmony motions shows the unified source..
- ❖ For clear explanation, we may think about the light reflection.. the reflected light is a light similar to the original one, but the way by which the reflected light is produced may be a mirror or similar where the original light sends by the sun... So the methods are different but the source is one..
- ❖ **This idea tells us that, the mass (matter) isn't independent but dependent on the Motion**
- ❖ This last sentence we need to study hardly... let's study one of the 4 outer planets.. I'll use Saturn equation as example... in following

III- Saturn Equation Analysis

568 Saturn Mass = 2.5 Saturn orbital inclination * 227.2
(Mars orbital distance) (error 0.3%)

What does this equation tells us?

This equation tells us that, the planet Mass is produced depending on the Motion, So the Planet Mass isn't independent..

Actually, I fight to prove this point hardly that "the Mass is not independent but dependent on the Motion...

Let's me present more another proof for this claim because this is very important point in my theory..

The proof is related to Saturn mass

So we'll use that for Saturn Mass as following

Saturn Mass Table

Saturn Mass	The equation	
568 * 10 ²⁴ kg	$\pi^2 * 57.9 \text{ m km}$ (Mercury orbital distance)	
	5.1 * 108.2 (Venus orbital distance)	
	3.79 * 149.6 (Earth orbital distance)	3.79 = 2.5 * 1.5
	2.5 * 227.9 (Mars Orbital distance)	
	1/1.3 * 778.6 (Jupiter orbital distance)	
	1/2.5 * 1433.5 (Saturn orbital distance)	
	1/5.1 * 2872.5 (Uranus orbital distance)	
	1/7.9 * 4495.1 (Neptune Orbital distance)	7.9 = 5.1 * 1.5
	1/10.33 * 5870 (Pluto orbital distance)	10.33 = 7.9 * 1.5

Saturn Mass Table Discussion

What does this table tell us?

- This table defines **All solar planets** orbital distances according to Saturn Mass, So that proves the outer Planet mass defines many planets orbital dances
- The used orbital inclinations to define all solar system orbital distances as following respectively ($\Pi^2 - 5.1 - 3.79 - 2.5 - 1/1.3 - 1/2.5 - 1/5.1 - 1/7.9 - 1/10.33$) ... where
 - o 5.1 = Moon orbital inclination
 - o 2.5 = Saturn orbital inclination
 - o 1.3 Jupiter orbital inclination
 - o 3.79 = 2.5*1.5 (where 1.5 = 6.7 Moon axial tilt – 5.1 moon orbital inclination i.e. net value of moon inclination at the Earth)
 - o 7.9 = 5.1* 1.5
 - o 10.33= 7.9*1.5
- With examine the orbital inclinations values to define all solar system distances based on Saturn Mass we find the following
 - o The used values are ($\Pi^2 - 1.3 - 2.5 - 5.1 - 1.5$ only)
 - o If we suppose any of the used values as R, So the using was in 2 forms, the first as *R and the second as *(1/R).. but the values still almost the same

The conclusions

- Saturn Mass is produced by the contributions of all solar system planets
- Some planets deal Saturn as "R" and other planets deal as "1/R" ..
- That tells us Some planets are reflective planets according to Saturn but other planets aren't

This discussion supports our claim that

**The outer planets are the reflected light beams
of the inner Planets**

As I explained in chapter 4

The General Conclusion Is

The Mass (Matter) is not independent but dependent on the Motion

but not the planet himself Motion! **But on other planets motions!!**

Now we learn 2 important information:

- 1. The Mass (matter) isn't independent i.e. the rest Mass concept is untrue, where there's no Mass without motion..**
- 2. Saturn Mass depends on Mars orbital distance! i.e. Saturn Mass depends on the Motion, but Not himself Planet Motion. Actually depends on other planets motions!**

i.e.

A Planet mass is produced by another Planet Motion!!

Let's define the planet to make that more clear,

The Planet Definition:

The Planet is the light beams (motions) coherence product,

as the child but this child has one mother, but born by all other planets..

i.e.

to produce a new planet, that needs all other planets contribute together **in one same process** to give Birth for this new Planet..

But the coupled inner planet (the Mother) will be defined only through the outer planet orbital inclination..

for that reason,

this new Planet will have strong relationships with **All** other planets..

And through these Relationships we found the different forms of the Equation by which the same planet defines many different orbital distances

The problem here is the human mind.. !

where the human wants ONE EQUATION to control all the planets relationships... something **as the machine which produces the same product,** for that we need one equation controls all the planet relationships by the same way!!

But the man is a son, a husband & a father.. three different types of relationships can't be expressed in one equation.. but the man is the same! And it's not "Pure Coincidences" that he's (the same person) a son, a husband & a father..

So,

Each planet has a relationship with other planets but not by the same way!

So, the planet is the **seen matter for the relationships** which are found before the planet existence..

Actually to see these meaning in much better we should a take a deep look on Saturn data...

Which we should do in next chapter "chapter 10: Saturn data overview"

Note please:

The Mass discussion has not finish yet, in next paper ("the solar system geometry Part II") we should have more hard discussion about Mass including about Jupiter / Earth masses Rate (318)..

Chapter Nine

Saturn Data Overview

1- Saturn orbital distance

I- Saturn orbital distance = Mars orbital circumference

Saturn orbital distance = 1433.5 m km = $2\pi R$ =

So $R = 228.1$ m km (227.9 m km Mars Orbital distance)

From the previous Calculation we see easily that's true that

Saturn orbital distance = Mars orbital circumference

II- Saturn orbital distance *4

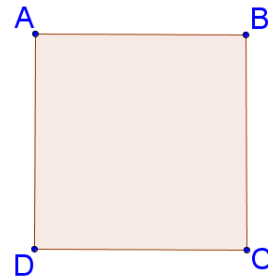
It's important remark in our solar system, that
The distance between mercury & Pluto are 4 times Saturn orbital distance
So why may consider that as a square

If

- Saturn is at Point A (1433.5 m km) (error 2.3%)

So

- Uranus will be at point B(2872.5 mkm) (error 2.1%)
- Neptune will be at point C (4495.1 mkm) (error 4.2%)
- Pluto will be at point D (5870 m km) (error 4%)



Now surely this square isn't correct because we consider the distance between the planets to the sun are in the same direction..

But the average error rate (3.1%) is acceptable, tells us there's some strange distribution for the planets after Saturn, which is surely different from the planet before Saturn!!

Note please:

Mars orbital distance 227.9 mkm = $4 * 56.9$ m km (57.9 m km Mercury orbital distance... the error 1.7%)!!

Where we know that Saturn orbital distance is the circumference of Mars Orbital distance

2- Saturn / Earth Relationship

We remember Jupiter Mass Equation in chapter 2,

Where we found the following:

- ❖ $\Pi^2 = \text{Saturn Diameter} / \text{Earth Diameter}$ (error 4.2 %)
- ❖ $\Pi^2 = \text{Saturn orb. Distance} / \text{Earth orb. Distance}$ (error 2.9%)
- ❖ $\Pi^2 = (\text{Saturn Mass} / \text{Earth Mass}) / 10$ (error 3.6 %)
- ❖ $\Pi^2 * 3.1$ (**Jupiter axial Tilt**) = (Saturn orb. Period / Earth orb. Period) (error 3.8%)
- ❖ $\Pi^2 = 5.1$ (moon orb. Inclination) * 1.9 (Mars orb. Inclination) (error 1.8%)

Note:

- ❖ $\Pi^2 = \text{Saturn diameter} / \text{Venus Diameter}$ (error 0.9 %)
- ❖ $\Pi^2 = 86.8 \text{ Uranus Mass} / 57.9 \text{ Mercury orb. Distance}$ (error 0.6%)
- ❖ $\Pi^2 * \Pi^2 = \Pi^4 = 97.409$ (Uranus axial tilt) (error 0.4%)

The Earth Is Related To Saturn Through This Factor Π^2

But actually Π^2 is found also in Saturn relationship with Mercury!

As we found in Saturn Mass table

Saturn Mass = $\Pi^2 * 57.9 \text{ m km}$ (Mercury orbital distance)??!

Note: 10^{24} kg deals with distance (proportionally to 1 million km), So to use an orbital inclination or Π^2 , that doesn't effect in any case on this meaning.

3- Saturn orbital Period

- 10474 days = 29.53 * 364
 - o 29.53 days is the moon day
 - o 364 days = (88 ($\Pi+1$)) where 88 is Mercury orbital period but I should refer to that 364 m km = Mercury orbital circumference\

Chapter Ten

The Moon Trajectory

1- Introduction

After we enjoyed the fighting to prove the theory, I may refer to some basic clues in the solar system geometry, because this paper is dedicated only for the theory proves and in the next paper (the Solar System Geometry (Part II)). I should extend the solar system geometry discussion.

In this chapter about the moon trajectory, I present the data collection which we know now about the moon, because I want to put all this data together clearly (1) to see How it's impossible to consider such data as "pure Coincidences"

And (2) to try to see the whole picture of the Moon trajectory may that help us to understand his geometrical basics..

But I'll not try to explain this data here..

I just gather them to make a complete picture as possible, but I can't provide the discussion about the Moon trajectory in this paper because it will be very complex paper, So I wish the reader allows me to publish the moon trajectory discussion in the next paper (the Solar System Geometry (Part II)).

2- Moon Data

I-

❖ Earth Circumference = 5 Inner solar planets diameters total = The free space in moon motion (from Apogee to perigee) = 40000 km i.e. There's a clear distinguish between the inner & outer planets diameters

❖ Solar System Planets Diameters Total = Moon Orbit Radius (in apogee) i.e. the inner & outer planets diameters are complementary to each other

❖ Moon Orbit Radius In Perigee Including The Moon Diameter =
The Outer Planets Diameters Total = the total solar eclipse umbra

length i.e. There's a clear distinguish between the inner & outer planets diameters

- ❖ The Moon orbit Radius = 2 Jupiter diameter + 1 Saturn diameter
- ❖ The moon orbit average radius = 109 * Moon diameter

II- Supposed Moon Orbit

we know that, the moon turns around the earth, and he changes his distance to the Earth, in his Cycle from apogee (406000 to the Earth) to perigee (363000 km to the Earth)
Now I suppose, the Earth moves toward the Moon and causes this difference in the moon orbit radius,
As the following

SUPPOSED MOON ORBIT



I suppose, The Earth locates at distance 406000 km to the moon (in apogee) and also at equal distance 406000 km from the moon opposite point..

i.e.

The angle at the Earth for the Moon & its opposite point is 180 degrees..

Now, let's imagine, that

- **The Earth moves toward the moon for distance 43000 km, So what will happen?**

- The distance between the Earth & moon will be 363000 km (the moon orbit radius in perigee)
 - Note please:
 - 363000 km = The outer Planets diameters total
 - 363000 km = The solar eclipse umbra length
- The distance 43000 km which the Earth should move
 - Note Please

- 43000 km = The moon motion free range (in which the moon change his approach to the Earth from apogee (406000 km) to perigee (363000 km). (So absolute free space = 40000 km)
- 40000 km = The Earth Circumference
- 40000 km= The inner planets diameters total

- The distance between the Earth and **the Moon opposite point will be 448400 km**
 - Note Please
 - $448400 \text{ km} * \pi = 1.39 \text{ million km}$ The lunar eclipse umbra length
 - $448400 \text{ km} * \pi = 1.39 \text{ million km}$ The sun diameter
 - $448400 \text{ km} = \text{all solar planets diameter} + \text{inner planets diameters}$

- The moon orbit Radius in apogee is 405400 km
 - Note please:
 - $405400 \text{ km} = \text{all solar planets diameters}$
 - $405400 \text{ km} = 2 \text{ Jupiter diameter} + \text{Saturn diameter}$

i.e.

Jupiter diameter = all solar system diameters – (except Jupiter & Saturn)

THE SUPPOSED MOON ORBIT DISCUSSION

- Why don't we suppose that the earth moves to be near to the moon?

- Does such description for the supposed moon orbit can change our moon motion geometrical description?

- The moon different data show us many & many strange "pure coincidences" can we form these "pure coincidences" in physics logical explanation?

III- The moon multi-Relationships

1. Moon & Jupiter Relationship

i- The distances

❖ The distance which the moon passes through the Metonic Cycle =
(384400 km (Moon Orbit Radius) * 2π * (6939.75 days/ 27.3 days) =
614.2 millions km

(1)

❖ Earth/ Jupiter distance = 778.6 – 149.6 = 629 millions km (2)

❖ 1898 Jupiter Mass / 3.1 Jupiter Axial Tilt = 612.2 m km (3)

1=2 (error 2.3%) & 1= 3 (error 0.3%)

So..

$$1=2=3$$

i.e.

Jupiter distance to the Earth defines by Jupiter Mass & Axial Tilt according to my outer mass Equation (by Replace Jupiter axial Tilt in place or orbital inclination) where this value = the moon motion during Metonic Cycle..

that can't be "pure Coincidences" where we have 3 values are equal each other, and So we need explanation...

(Note Please: The use different orbital inclination or axial Tilt in the outer planet Mass Equation to define another planet orbital distance will be discussed in Jupiter Equation Chapter)

Note Please

- Jupiter orbital Distance 778.6 m km = 78.3 m km (Earth / Mars distance) * π^2 (error 0.7%) (So Jupiter distance is defined based on Mars / Earth distance)
- 778.6 Jupiter orbital distance * 3.66 (Earth Diameter / Moon Diameter) = Uranus orbital Distance = 2872.5 (error 0.8%)
- 2872.5 Uranus orbital Distance * 1.56 (1.5 net moon degrees at the Earth = 6.7 -5.1) = 4495.1 Neptune orbital distance.
- 4495.1 Neptune orbital distance * 1.3 (Jupiter orbital inclination) = 5870 Pluto orbital distance.

i.e.

- Based on mars/ Earth distance can Jupiter be defined
- Based on Jupiter orb. Distance can Uranus be defined
- Based on Uranus orb. Distance can Neptune be defined
- Based on Neptune orb. Distance can Pluto be defined

ii – Cycles

- $4331 \text{ Jupiter orbital period} / 365.25 \text{ Earth Orbital Period} = 11.857$
(but $6.7 \text{ Moon Axial Tilt} + 5.1 \text{ moon orbital inclination} = 11.885 - \text{error } 0.2\%$)...
- $4331 \text{ Jupiter orbital period} / 27.3 \text{ Moon orbital period} = 158.6$ (Note $159 * 2 = 318$ and $\text{Jupiter Mass} / \text{Earth Mass} = 318$.. that's NOT pure Coincidence"

iii – Orbital Inclination & Axial Tilt

- $6.7 \text{ (moon Axial Tilt)} = 5.1 \text{ moon orbital inclination} * 1.3 \text{ Jupiter orbital inclination}$.

iv – Diameters

- $\text{Jupiter diameter} / \text{moon circumference} = 142984 / 10921 = 13.092$
(Note the moon turns daily 13.18 degrees may both values are equal with error 0.6%)
- $\text{Jupiter diameter} / \text{Moon Diameter} = 142984 / 3475 = 41.14$

2. Moon & Uranus Relationship

i- Distances

- $2872.5 \text{ million km} = 151.2 \text{ m km} * 19$
- $2872.5 \text{ million km} / 4 = 718.25 \text{ m km}$
- $2872.5 \text{ million km} / 5.18 \text{ (moon orb. Inclination)} = 554.5 \text{ m km}$
- $2872.5 \text{ million km} = 3.1 \text{ (Jupiter orbital inclination)} * 940 \text{ m k m Earth Orbit Circumference (error } 1\%)$

ii- Cycles

- $30589 \text{ days} = 27.3 \text{ days} * 1120.47 = 27.3 \text{ days} * 113.5 * \Pi^2$
- $30589 \text{ days} = 364.1 \text{ days} * 84$

iii- Diameters

- $\text{Uranus Diameter } 51118 \text{ km} = \text{Earth diameter } 12756 \text{ km} * 4 \text{ (error } 0.2\%)$
- **Uranus Diameter 51118 km = 40090 Earth Circumference + 10921 Moon Circumference (error 0.9%)**

iv- Axial tilt & orb. Inclination

- $97.8 \text{ (Uranus Axial Tilt)} / 5.14 \text{ (moon orb. Inclination)} = 19$
(metonic Years)
- **Uranus Mass 86.8 / 5.97 Earth Mass = 97.8 (Uranus Axial Tilt) / 6.7 (Moon Axial Tilt) = 14.539**

3- The Saturn / Moon Relationship

The statement	Error
6.7 (moon axial Tilt) = 2.5 Saturn orbital inclination * 2.6 Venus complementary Axial tilt (180-177.4 = 2.6)	2.6%
26.7 Saturn Axial Tilt = (5.16) ² (5.1 is moon orbital inclination)	1.1%
10747 Saturn orbital period = 6939.75 days (Metonic Cycle) *1.5 (moon net degrees at the Earth 6.7-5.1)	3.1%
$\Pi^2 = 6.7$ Moon Axial Tilt *1.5 (difference between moon Axial tilt 6.7 - moon orbital inclination 5.1)	1.7%

Note : the Saturn/ Moon Relationship is more stronger than what explains these few relationships and for that I provide in chapter 11 a strong proof for Saturn/ Moon relationship through the Cycle 2737 study.

4- Uranus & Jupiter Relationship

The Uranus / Jupiter relationship defines the Moon existence
Let's see that

A- The Cycle Periods

- 1- (Jupiter Mass / Uranus Mass)* (Jupiter Cycle period /Uranus Cycle period) =3.095 (3.1 Uranus Axial Tilt)
- 2- 30589 days (Uranus Cycle Period) = 7 (Mercury orbital inclination)
*4331 (Jupiter Cycle period) (error 0.9%)

B- The distances

- 1- 2872.5 m km Uranus orbital distance = 778.6 Jupiter orbital distance * 3.689 (earth Circumference/ Moon circumference)
- 2- 2723 m km (Uranus / Earth distance) = 2094 m km (Uranus / Jupiter distance) * 1.3 (Jupiter orbital inclination)
- 3- 2094 m km (Uranus / Jupiter distance) = 655 m km (Saturn/ Jupiter distance) * Π (error 1.6)

C- Axial Tilts

(97.8 Uranus Axial Tilts) / (3.1 Jupiter Axial Tilts) = 31 = Π^3 (error 1.6%)

D- Orbital inclination

(0.8 Uranus orbital inclination) / (1.3 orbital inclination) = **0.6153**

Note:

- 0.6153 = (Venus Cycle / Earth Cycle)
- 1/0.6153 = 1.625 (note 1.625 * Π = 5.1 moon orbital inclination)

E- Day Length

17.2 (Uranus day lengthy) / (9.9 Jupiter day length) = 1.73737
(1.8 Neptune orbital inclination error 3.4%)

The Moon Equation

Venus Mass / Earth Mass = 0.81 = Uranus orbital inclination

0.81 * 27.3 (moon sidereal Cycle) * 3.66 (Earth/ moon diameters rate) = 81.78

The earth Mass = 81 times the moon Mass.

Chapter eleven

The Egyptian Astronomic Phenomenon 2737

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.

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



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)

1ST SECTION

Why the Lunar year doesn't correspond with the sidereal year at any cycle?⁶

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 year⁷

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

⁶ - the day defines here approximately 86164 seconds where the sidereal year is 365.25 days.

⁷ - Total Solar Eclipses and how to Observe them- Martin Mobberley- page. 11

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

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

Metonic Cycle Number	Sidereal years No. (365.25 days)	Number of modified Lunar year (equals 354.1818 days)		The Basic lunar Year Numbers (360 days) For each Metonic Cycle
		Lunar years in each Metonic cycle	The Lunar years (354.1818days) Numbers 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 BL.Y+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

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation
I do this research

			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= 509 L. Y + 154.9426d	500 BLY+433.5d= 501 BLY+ 73.5d
M. Cycle 27	513 S. Y	20	528 L. Y +365.2376d= 529 L. Y +11.0558d	520 BLY+173.25d
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= 568 L. Y + 77.464d	558 BLY+ 372.75d= 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= 607 L. Y + 143.8722d	597 BLY+ 212.25d
M. Cycle 32	608 S. Y	20	626 L. Y + 354.1872=627 L. Y	616 BLY+ 312d
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= 666 L. Y + 66.3936d	655 BLY+151.5d
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= 705 L. Y ++132.801d	693 BLY+ 351 d
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= 744 L. Y + 199.2092d	732 BLY+190.5d
M. Cycle 39	741 S. Y	20	763 L. Y +409.5042d= 764 L. Y + 55.3224d	751BLY+289.5d
M. Cycle 40	760 S. Y	19	783 L.Y + 265.6174d=	770BLY+389d= 771 BLY +29 days

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 "**19-20-19-20-19-20**" 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 19-20-19-20-19-20 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

- 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

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 Saros 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).

**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!!

Chapter Twelve
More proves for the theory

"The solar system planets are created by the light"

MORE PROVES

A - 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..



B- 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

C- 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

The physics agreed that all particles have wave characteristics, whether the Mass or the energy that confirmed the unified source for the Whole Universe

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

Why do the creatures sleep at night while the sun is absent, How this harmony is found?

The creatures bodies are create of the light for that when the Sun is absent (i.e. their source is absent) the bodies feel fatigue & tiredness at night and that's the reason for the creatures bodies normal sleeping at night.

And that may explain the sleeping difficulties during the day.. and that supports the astronomic vision of the human activity means the human works when the universe planets and stars give him the chance... so not Just the sun light is available for work but also his body is fresh and able to work...!

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

The universe continuous movement attributes to the light nature
Where the Mass classical definition is against the universe continuous motion.

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 is created of the 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

J- How The lunar trajectory effects on the Saturn?

Because the 2 light beams are continuous through the universe, for that reason all the balancing points are connected together and effect on each other. For that we may find effect made by the Lunar trajectory on the Planet Saturn.

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..!

Appendix No. 1

A short list of "Solar system geometries pure coincidences of numbers"

- $300 * 10^6$ (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 $(1.4/0.384 = 3.66)$ ($3.66 = \text{Earth/moon size rate}$)) 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)

- $13.36 = (3.66)^2$ (where 3.66 is the Earth diameter / Moon Diameter rate)
- $13.36 * \text{Moon gravity rate} = \text{Earth gravity rate}$
- $13.36 = 100\Pi/23.44$ 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 = $109 * (12756\text{km})$ Earth diameter
- 1.39 millions km = the lunar umbra length = 864000 miles
- $3475 \text{ km (moon diameter)} * 109 = 379000$ (the moon orbit radius)
- Earth / Sun distance $149.6 \text{ mk} = \text{earth diameter } (12756\text{km}) * 109^2$
- Mercury / Sun distance $57.9 \text{ mk} = \text{Mercury diameter } (4879\text{km}) * 109^2$
- Saturn/ Sun distance $1443.5 \text{ mk} = \text{Saturn diameter } (120536 \text{ km}) * 109^2$
- $109 * 6 = 654$ (655.7 hours is the Moon rotation period) = $327.6 * 2$

Π

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

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

Moon orbit

- **Moon Orbit radius average** = $384400 \text{ km} =$
 $(4879+12104+12756+3475+6792+142984+120536+51118+49528$
 $+2390) = \mathbf{406562}$ (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** $384400 \text{ km} =$ moon diameter $(3475) * 109$ (error 1.4%)
- The moon orbit circumference = $2.416228.5$ millions km = $60 * \text{Earth Circumference}$
- The moon orbit circumference = $2.416228.5 = 9000$ (umbra width) * 26.8 (26.7 Saturn axial tilt) * 10
- The moon orbit circumference = $2.416228.5 / \mathbf{406000} = 5.93$

Metonic Cycle

- $6939.75 \text{ days} = 4 * 1737$ the Moon Radius
- $6939.75 \text{ days} = 27.32$ moon cycle * **254 months** = $27.32 * \mathbf{19} * \mathbf{(3.66)^2}$
- Metonic Degrees $361 = 108.2 \text{ mk}$ (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,

- 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 $150 \text{ m k} * 19 \text{ metonic} = 2850 \text{ m km}$ (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)
- $13.18 \text{ moon degrees daily} * 109 = 1437.3$ (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

Mars

- Mars orbital Period 687.9 (registered 687) = $27.3 * 25.2$

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-
- Mars orbital Period 693.97 (Regis 687) = $365.25 * 1.9$ (error 1%)
 - $25.2 = 13.18$ moon degrees motion daily * 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 * 109^2 (by this same equation the Earth & mercury orbital distances are defined where Moon orbit uses just 109 and Not the squared value).

Appendix No. 2

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 Mass/ Earth Mass)* earth gravity = (1/109) ² * 333000*9.8= 274	274	274	0
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 x 4.87 /5.97) x 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 x (0.642 / 5.97) x 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) x 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)

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.**

Author Other Papers

1st Paper

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

http://mts-nphys.nature.com/nphys_files/2015/07/09/00030543/00/30543_0_art_file_223984_nr8jkr.pdf

2nd Paper

"Mars Data Analysis proves The Rest Mass Concept Is Unreal"

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

3rd Paper

"The Planets Basic Equations"

<http://www.slideshare.net/GeorgyTawdrous/the-planets-basic-equations-gerges-equations>

4th Paper

The 2737 Egyptian Phenomenon and Its identical distance 2737 millions km

https://www.academia.edu/13920818/The_2737_Egyptian_Phenomenon_and_Its_identical_distance_2737_millions_km

Author Curriculum Vitae

GERGES FRANCIS TAWDROUS

Contacts

- Telephone : +201022532292 / +222550186

E-mail : gergesfrancis@yandex.com
gfrancis@yandex.ru

- Address : 11 Mohmed Rageb St – El Materiya –
Cairo – Egypt

EDUCATION

- Moscow – Peoples Friendship University Of Russia –
Since 2010 Till 2012 – Faculty Of Science (Physics And
Mathematics) – Physics Department.

- A Training Course Russian language - Nizhniy
Novgorod – Russia - during 2007- 2008 .

- Goethe Institute In Cairo During 2001- 2006

- Bachelor degree of commerce Ain shams university –
Cairo 2000

- Additional studies of philosophy & theology

LANGUAGES

- Mother tongue is Arabic language
- English language
- Russian language
- German language

Work

Translation, proofreading, and editing.




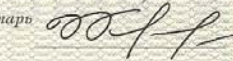

Computer Skills

Work with MS Office (Word, Excel, Power Point, etc.),
Adobe Acrobat (full), WinZip, WinRar, etc.

PERSONAL DATA

- Date of Birth : 09/10/1974 – Cairo.
- Martial status : Single
- Nationality : Egyptian
- Religion : Christian

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Фамилия, имя, отчество	Гергес Фрэнсис Тавдрус Гергес	РОССИЙСКАЯ ФЕДЕРАЦИЯ
Дата рождения	09 октября 1974 года	
Предыдущий документ об образовании	Сертификат о полном среднем образовании, 1994 год, Египет	г. Москва
Вступительные испытания	прошел	ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ
Поступил(а) в	2010 году в Государственное образовательное учреждение высшего профессионального образования «Российский университет дружбы народов» (очная форма)	БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ
Завершил(а) обучение в	2012 году в Федеральном государственном бюджетном образовательном учреждении высшего профессионального образования «Российский университет дружбы народов» (очная форма)	УЧРЕЖДЕНИЕ ВЫСШЕГО
Нормативный период обучения по очной форме	4 года	ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ
Направление/специальность	Физика	«Российский университет дружбы народов»
Специализация	не предусмотрена	АКАДЕМИЧЕСКАЯ СПРАВКА
Курсовые работы:	1. По молекулярной физике, удовлетворительно 2. По информатике, удовлетворительно	АВ 3048222
Практика:	не проходил	5429/Н
Итоговые государственные экзамены:	не сдавал	(регистрационный номер)
Выполнение выпускной квалификационной работы	не выполнял	11 сентября 2012
Продолжение см. на обороте		(дата выдачи) года
Документ содержит количество листов:		Ректор 
		Декан 
		Секретарь 
		
		Лист № 1