

Why Don't We Understand The Solar System Geometry?

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Abstract

Why don't We Understand The Solar System Geometry?

Because

Paper Hypothesis

- The Planets Motions are Motions of Light Beams, That means each planet motion depends on a motion of light beam – Based on that, we have to use the light geometry to explain the solar planets motions.

Shortly

- **Planet Motion = Light Motion** and should be studied under Relativistic Considerations
- Because we see the planets as matters move by low velocity– We consider that the light geometry is unsuitable science to explain the solar planets motions.
- That's Why – There Are Many Contradictions In The Solar Planets Motions Current Understanding And Description..

Paper Objective

- The Paper tries to prove the claim that

"The Solar Planets Motions Are Motions Of Light Beams"

References

My Research Hypotheses <http://vixra.org/abs/1909.0406>
Research 1st Hypothesis Discussion <http://vixra.org/abs/1909.0562>

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The Assumption Of S. Virgin Mary.

Written in Cairo – Egypt

2nd November 2019 (S. George)



1- Introduction

Planet Motion = Light Motion

This is the paper claim briefly! How to prove it?

I have 3 reasons to provide this claim – let's summarize them in following:

1st Reason – Light Velocity Effect

(a)

Why the particle which moves by light velocity (approximately) will suffer A Length Contraction Effect? What's happened for this particle own nature? Special Theory of Relativity may refer to that – there's some relationship between Light velocity and the human mind realization process!

(b)

The human body contains electromagnetic pulses – the pulses travels through the human liquids with slow velocity but we know that in vacuum the electromagnetic waves will restore its light velocity- that also may refer to some a relationship between light velocity and the human mind realization process

2nd Reason –Mass Creation

Gamma Rays (1.2 Mev) may produce electron and positron – From electromagnetic waves 2 Particles are created equal in Mass and different in charges

The matter (mass) can simply be produced from electromagnetic waves – that may support the claim – but the question is – what's happened for the 2 particles after creation? Are their motions effect on each other? Of course yes because they have different charges if there's no more particles in the universe except these 2 particles- they will direct each other motion....

That means the source (Gamma Rays) still effect on the produced (electron and positron) and this effect is done by the other particle – where no particle of both can be produced alone...

That means simply

The matters (masses) can be produced by the light (electromagnetic waves) and after Creation the light still can effect on the particle (matter) motion –that enable me to provide my claim "**Planet Motion = Light motion**"

(Note Please – in Double Production Experiment we see the 2 products and we know their properties and behaviors – but this is a special case because we can do it in the lab- but in nature the light (electromagnetic waves) can produce matters by different ways (hypothesis) and we may not see or know the complementary product – we may see one product only (A Planet) and by such way the light (the source) directs the product – and based on that – I can claim that – **The Planet Motion Is A Light Motion...**

3rd Reason – Planet Data Analysis

The planet data analysis shows some a strange feature for the solar planets motions
Which is

The Continuous Effect !

i.e.

There's a great hand found behind the data – works geometrically – and use the different data to produce geometrical effects...

Let's provide one Example for better explanation

Example No. 1

How the total solar eclipse is done? And Why? The main reason is the following:

Because we see **The Sun Disc = The Moon Disc**

For that reason – the moon can cover the sun for a period – if we don't see the sun disc = the moon disc – the total solar eclipse never be occurred...

Why we see the sun disc = the moon disc?

Because

$$\frac{\text{The Sun Diameter}}{\text{The Moon Diameter}} = \frac{\text{Earth Orbital Distance}}{\text{Earth Moon Distance}} = 400 \quad \text{(Equation No. 1)}$$

So

The Diameters Rate = The Distances Rate ...Why?

It's a great hand behind – uses the diameters and distances to produce one specific Geometrical Job – Simply we don't know why the total solar eclipse is useful at all!

We even don't know what geometrical effect it practices on the solar system geometry – but our weak knowledge can't prevent the effect –

We don't discuss here what's found by pure coincidences...! We overstepped this answer – What I'm trying to do here is that – to prove that there's a wise power uses the solar system components to produce geometrical jobs – and for that – the planets diameters – masses – orbital distances – orbital inclinations – axial tilts ...etc

All planets data are created relative to each other **THROUGH THE SOLAR SYSTEM** this is the basic point – that the connection between the planets data is done by some continuous effect passing from planet to another – based on that we have discovered the relationship between Earth and Pluto – regardless the great distance –

What I try to prove in this paper? – I provide here general effects are found in the solar system – what does mean "general effect"? it's an effect done for all planets – as kepler laws are used for all planets – and we have to ask how this general effect is found? Because

The continuous general effect through the solar system proves the claim that

Planets Motions = Light Motions

Or At Least **Planet Motions depend On Light Motions**

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation

I do this research

2- Methodology (Methodology Is Repeated In All My Papers)

Planetary Fact Sheet – Metric

	<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	0.0146
Diameter (km)	4879	12,104	12,756	3475	6792	142,984	120,536	51,118	49,528	2370
Density (kg/m ³)	5427	5243	5514	3340	3933	1326	687	1271	1638	2095
Gravity (m/s ²)	3.7	8.9	9.8	1.6	3.7	23.1	9.0	8.7	11.0	0.7
Escape Velocity (km/s)	4.3	10.4	11.2	2.4	5.0	59.5	35.5	21.3	23.5	1.3
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	5906.4
Perihelion (10 ⁶ km)	46.0	107.5	147.1	0.363*	206.6	740.5	1352.6	2741.3	4444.5	4436.8
Aphelion (10 ⁶ km)	69.8	108.9	152.1	0.406*	249.2	816.6	1514.5	3003.6	4545.7	7375.9
Orbital Period (days)	88.0	224.7	365.2	27.3	687.0	4331	10,747	30,589	59,800	90,560
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
Obliquity to Orbit (degrees)	0.034	177.4	23.4	6.7	25.2	3.1	26.7	97.8	28.3	122.5
Mean Temperature (C)	167	464	15	-20	-65	-110	-140	-195	-200	-225
Surface Pressure (bars)	0	92	1	0	0.01	Unknown*	Unknown*	Unknown*	Unknown*	0.00001
Number of Moons	0	0	1	0	2	79	62	27	14	5
Ring System?	No	No	No	No	No	Yes	Yes	Yes	Yes	No
Global Magnetic Field?	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Unknown
	<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>

<https://nssdc.gsfc.nasa.gov/planetary/factsheet/>

The previous table is Nasa Planetary Fact Sheet – Metric – it's the only source I use for Solar Planets Data

1. I analyze Solar Planets Data to reach the geometrical rules on which this data is created – for example – If we have a right triangle its dimensions 3,4 and 5, can we use these dimensions to conclude the Pythagoras rule? Yes we can – similar to that I analyze the planets data to reach their geometrical rules

2. I depend on **Data Direction**

$$\frac{25.2 \text{ Mars axial tilt}}{23.4 \text{ Earth axial tilt}} = \frac{26.7 \text{ Saturn axial tilt}}{25.2 \text{ Mars axial tilt}} = \frac{28.3 \text{ Neptune axial tilt}}{26.7 \text{ Saturn axial tilt}} = 1.0725$$

This equation is hard to explain – but what's the basic idea here? There's a dependency between these 4 planets axial tilts... this conclusion is the Data Direction

3. I suppose there's **one Equation only controls all solar planets data** – that means – the previous table is controlled by one Equation only...(my Basic Hypothesis)

To explain this hypothesis I provide the following solar system alternative description – which is a part of my methodology...

Solar System alternative Description

1- **The solar group is one trajectory of Energy and each planet is a point on this same trajectory.....**

i.e.

2- **The Solar Group is One Building** and each planet is a part of this same building-

3- Also the solar group is similar to a train and each planet is a carriage of it.

4- Also the solar group can be similar to one body, and each planet is a member in it

5- Also the solar group can be similar to one machine and each planet is a gear in it

means

6- When a planet moves –it doesn't mean this planet moves individually and independently from the other planets- NOT TRUE – The Planet moves with all other planets together as a train moves with all carriages –

Description Basic Concept

Planets Cooperation And Integration Is The Reason Of Their Existence And Motions.

How to understand that?

WE know that the matter is created of Energy ($E=mc^2$) – but **How The Space Is Created?** I suppose the Space is created of Energy also... (Space = Energy)

So the matter and space both are created from the same energy.. Based on that the solar group can be one trajectory of Energy

Can that be possible?

Energy has different forms (sun rays – nuclear interactions – oil- food ..etc)

Different forms for same content, i.e. it's possible to create matter & space of energy

Another Example

In double slit experiment (Young Experiment) – the light coherence produced bright and dark fringes –regardless the experiment explanation – the experiment tells "when one input is used (light)– the outputs can be in 2 different forms (bright and dark fringes)"

The Solar Group Creation

I suppose the solar group is one energy creates the planet matter and orbital distance – so this same energy passes through the whole group to create all solar planets and their orbital distances from the same energy where this energy creates all planets data complementary to each other because all of them are created from the same source.

Shortly

The solar group is one thread – as one necklace – all solar planets and their distances are created from one energy to be complementary to each other- and that's why the planets data analysis shows the solar planets dependency.

3- Planets Orbital And Internal Distances

I- Data (Group No. 1)

- Mercury Neptune Distance = **Saturn** Pluto Distance
- Mercury **Saturn** Distance = Neptune Pluto Distance
- **Saturn** Orbital Distance = **Saturn** Uranus Distance
= Mercury Orbital Circumference
= 2 Mercury Jupiter Distance
= Pluto Eccentricity Distance

- Jupiter Pluto Distance = Uranus Neptune Circumference
- Earth Neptune Distance = Mercury Saturn Circumference (Error 0.5%)
- Jupiter Uranus Distance = Jupiter Saturn Circumference (Error 1.5%)

More Data

- Mercury Jupiter Distance = Mars Orbital Distance $\times \pi$
- Earth Neptune Distance = Mercury **Saturn** Distance $\times \pi$
- Jupiter Uranus Distance = Venus Jupiter Distance $\times \pi$
- Jupiter Pluto Distance = Uranus Neptune Distance $\times \pi$
- Uranus Pluto Distance = Earth Orb. Circumference $\times \pi$
- Neptune Orb. Distance = **Saturn** Orb. Distance $\times \pi$
- Pluto Orbital Distance = Earth Orb. Circumference $\times \pi$

Why These Distances Are Equal?

Group No. 2

1. $\frac{\text{Earth Daily Motion } 2.58 \text{ mkm}}{\text{Moon Orbital Circumference } 2.41 \text{ mkm}} = 1.0725$ (No Error)
2. $\frac{\text{Apogee orbital radius } (406000 \text{ km})}{\text{Total Solar Eclipse radius } (378500 \text{ km})} = 1.0725$ (No Error)
3. $\frac{778.6 \text{ mkm Jupiter Orbital Distance}}{720.3 \text{ mkm Jupiter Mercury distance}} = 1.0725$ (0.7%)
4. $\frac{720.3 \text{ mkm Jupiter Mercury distance}}{670 \text{ mkm Jupiter Venus Distance}} = 1.0725$ (No Error)
5. $\frac{670 \text{ mkm Jupiter Venus Distance}}{629 \text{ mkm Jupiter Earth Distance}} = 1.0725$ (0.6%)
6. $\frac{\text{Saturn Orbital Distance } (1433.5 \text{ mkm})}{\text{Sarurn Venus Distance } (1325.3 \text{ mkm})} = 1.0725$ (Error 0.8%)
7. $\frac{\text{Saturn Earth Distance } (1284 \text{ mkm})}{\text{Sarurn Mars Distance } (1205.6 \text{ mkm})} = 1.0725$ (Error 0.7%)
8. $\frac{\text{Uranus Orbital Distance } (2872.5 \text{ mkm})}{\text{Uranus Mars Distance } (2644 \text{ mkm})} = 1.0725$ (Error 0.7%)
9. $\frac{\text{Jupiter Orbital Circumference } (4894 \text{ mkm})}{\text{Neptune Orbital Distance } (4495.1 \text{ mkm})} = 1.0725$ (Error 1.5 %)

Why These Distances Are Not Equal?

II- Discussion

The previous data is clear and we have seen it before – so let's summarize the idea:

The solar planets have 45 orbital & internal distances

30 of them are equal each other (Data Group no.1)

And

18 of them are rated to each other by the rate 1.0725 (Data Group no.2)

Let's ask

Why These Distances (Groups No.1) Are Equal?

And

Why The Others (Group No.2) Aren't?

Because

These All Distances Are Light Beams Reflected To Ach Other

But

The distances in Group no. 2 –

These distances are 2 types of distances –half of them pass through another frame – because we deal with light motions – and because of their passing through another frame they suffered from length contraction effect with rate 1.0725

The distances rest half didn't pass through this frame – and they didn't suffer from any length contraction effect –

That produces the rate 1.0725 which we see in the previous data, this rate is found by relativistic effects... How?

Velocity $v=0.99c$ will produce a length contraction effect with rate =7.1

So

$$\frac{7.1}{100} + 1 = 1.0725$$

The rate 1.0725 depends on the high velocity $v=0.99c$

But the rate isn't used directly but used by some complex geometrical process..

So the previous distances tells that –

The Planets Motions Are Equivalent To Light Motions

And that's the claim which I try to prove

Let's see the rate 1.0725 in one new equation to be sure that this rate is found as a general effect in the solar group and not specific for any planet...

Equation No. (2)

$$\frac{25.2 \text{ Mars axial tilt}}{23.4 \text{ Earth axial tilt}} = \frac{26.7 \text{ Saturn axial tilt}}{25.2 \text{ Mars axial tilt}} = \frac{28.3 \text{ Neptune axial tilt}}{26.7 \text{ Saturn axial tilt}} = 1.0725$$

II-Discussion

How to explain Equation No. (2)? Let's try to do that in following:

(I claim that the rate 1.0725 is found As Length Contraction Effect Rate)

- Neptune Axial Tilt 28.3 degrees is the master value in this equation because Neptune reflected Jupiter energy toward the solar inner planets
- Neptune Axial Tilt 28.3 degrees will be contracted with the rate 1.0725 to produce 26.7 degrees (Saturn Axial Tilt) (and that may explain why Neptune orbital distance = Saturn Orbital Distance x π)

Then

- Saturn Axial Tilt 26.7 degrees will be contracted by the same rate (1.0725) to produce 25.2 degrees (Mars Axial Tilt) (that may explain Why Mars Orbital Circumference = Saturn Orbital Distance=1433.5 mkm)

Then

- Mars Axial Tilt 25.2 degrees will be contracted (1.0725) to produce 23.4 degrees (Earth Axial Tilt) (that explain Why Earth Orbital Distance = Earth Mars Distance x Mars Orbital Inclination)

For Relativistic Effects Discussion Please Review

A Summary Of My Research -Part 3- (Relativistic Effects Discussion)

<http://vixra.org/abs/1907.0523>

A Conclusion

The Rate 1.0725 in the solar system geometry is found as a general effect on the solar system geometry – it's not related to any specific planet, instead, It's a general rate found effective on the solar system data generally

My Explanation is that – this rate 1.0725 is found as a length contraction effect – but if this explanation is incorrect- the data still needs explanation – because we have almost 50% of all solar planets distances are rated by this same rate

4- Planets Orbital Distance Definition

4-1 Preface

4-2 Planet Diameter And Orbital Distance Relationship

4-3 Jupiter Energy

4-1 Preface

How Planet Orbital Distance is defined? By the sun gravity based on the masses
Let's analyze this answer in following....

(1)

- The inner planets order (Mercury – Venus – Earth) shows that there's some the relationship between planet diameter (or mass) with their orbital distance, means **Greater Diameter (Or Mass) needs Greater Orbital Distance** ...

(2)

- The outer planets order (Jupiter- Saturn- Uranus- Neptune – Pluto) tells that the rule is reversed where **Greater Diameter needs Shorter orbital Distance** But.... The order depends **on diameter and NOT Mass** because Uranus Diameter is greater than Neptune where Neptune Mass is greater than Uranus..

(3)

- **(The Conclusion)** there's some relationship between the planet diameter and orbital distance but this relationship is reversed after **Mars** for some reason-
- Also The Data Direction doesn't support the relationship between the planet mass and orbital distance where Jupiter isn't in Mercury place – also Uranus in nearer to the sun but less in mass than Neptune – that shows – the planets order depends on the planet diameter and not its Mass.

The previous analysis tells us there's some general effect works to arrange the planets with their orbital distances which shows the aforementioned rule

Note Please

The outer planets (Jupiter – Saturn – Neptune – Uranus) according to this order – these planets are ordered according to their masses and day periods – the greatest mass is Jupiter and has the shortest day period where the longest day period is Uranus' and has the smallest mass-

Is there any relationship between the planet day period and its mass? The order tell may be yes...

The important point here is the general effect – once again we see a general effect is done on 4 planets – so the general effect supports clearly my claim – that because the continuous effect on the solar system geometry shows that we deal with light motions and not matter motions – because the light motion has this continuous effect

As in photoelectric effect – The Sun Rays Are Seen But It Effects On The solar Cell To Produce The Energy – so we have 2 forms of the same energy the sun rays and the produced electric current –that shows clearly **The Continuous Effect Meaning.**

4-2 Planet Diameter And Orbital Distance Relationship

The previous explanation shows that there's a relationship between planet diameter and orbital distance – I have tried to form an equation expresses this relationship:

Gerges Equation For Planet Diameter And Orbital Distance Relationship

$$D = R * 109^2$$

Where D= planet orbital distance

R = Planet diameter

Let's see that in following

- $109^2 \times$ Mercury diameter 4879 = 57.9 mkm Mercury orbital distance
- $109^2 \times$ Venus diameter 12104 = 144.9 mkm (Mars Displacement)
- $109^2 \times$ Moon diameter 3475 = 41.4 mkm (Earth – Venus distance)
- $109^2 \times$ Earth diameter 12756 = 149.6 mkm (Earth Orbital distance)
- $109^2 \times$ Mars diameter 6792 = 80.5 mkm (Earth – Mars distance)
- $109^2 \times$ Jupiter diameter 142984 = 1700 mkm (Mars –Jupiter Circumference)
- $109^2 \times$ Saturn diameter 120536 = 1433.5 mkm (Saturn Orbital Distance)
- $109^2 \times$ Uranus diameter 51118 = 607.5 mkm
- $109^2 \times$ Neptune diameter 49528 $\times 2\pi$ = 3700 mkm (Jupiter Neptune distance)
- $109^2 \times$ Pluto diameter 2390 $\times \pi$ = 89 mkm (Earth – Mercury distance- 3% error)

II-Discussion

- Previous data tells us that D defines the planet position in the sky – instead to express – the planet orbital distance
- The previous equation tries to fom Planet diameter and orbital distance relationship, which we have concluded in the previous argument (4-1) and even in the total solar eclipse discussion
- I claim the equation concept is saved spite some disturbances in it.

Now why there's a relationship between Planet Diameter and orbital distance? We have seen that the planets order depends on Planets diameters

So the planet diameter and orbital distance relationship creates a relationship between the planets orbital distance which we discovered by Bode Law – and I have my own equation to express the planet orbital distance – let's see it in following

Planet Orbital Distance Equation

Gerges Equation For Planet Orbital Distance

$$d^2 = 4d_o(d-d_o)$$

Where

d= Planet Orbital Distance

d_o= Previous Planet Orbital Distance

There are 3 exceptions which are:

- Earth depends on Mercury
- Mars depends on Venus
- Pluto depends on Uranus

The equation disturbances are found only with Mars, Pluto as we expected and Earth also as a result of Mars immigration

Let's see this equation using in following

1-

Venus Orbital Distance 108.2 mkm)² = 4* Mercury Orbital Distance 57.9mkm x 50.3mkm
Mercury Venus distance. (No error)

2-

(Earth Orbital Distance.149.6 mkm)² = 4* Mercury Orbital Distance 57.9mkm x91.7 mkm
Mercury Earth distance) (2.5%)

3-

(Mars Orbital Distance 227.9 mkm)² = 4* Venus Orbital Distance 108.2 mkm x 120 mkm
Venus Mars distance) (No error)

4-

(Ceres Orbital Distance 415 mkm)² = 4* Mars Orbital Distance 227.9 mkm x187 mkm
Mars Ceres distance) (No error)

5-

(Jupiter Orbital Distance 778.6 mkm)² = 4* Ceres Orbital Distance 415 mkm x 364 mkm
Ceres Jupiter distance) (No error)

6-

(Saturn Orbital Distance 1433.5 mkm)² = 4* Jupiter Orbital Distance 778.6 mkm x 655.7
mkm Jupiter Saturn distance) (No error)

7-

(Uranus Orbital Distance 2872.5 mkm)² = 4* Saturn Orbital Distance 1433.5 mkm x 1439
mkm Saturn Uranus distance) (No error)

8-

(Neptune Orbital Distance 4495.1mkm)² = 4* Uranus Orbital Distance 2872.5 mkm x
1622 mkm Uranus Neptune distance) (4%)

9-

(Pluto Orbital Distance 5870 mkm)² = 4* Uranus Orbital Distance 2872.5 mkm x 2997.5
mkm Uranus Pluto distance) (No error)

Conclusion

The equation shows that – there's a relationship between planets orbital distances –
Why this relationship is found? Because there's a great effect passes through the
solar system and effect on all planets –

That's why I claim that **Planet motion = Light motion** or at least **depend on light motion**

4-3 Jupiter Energy

(Equation No. A)

(Pluto Orbital Circumference- Jupiter Orbital Circumference) $\times \pi = \underline{100224 \text{ mkm}}$

Note Please

2x100224 mkm =

**28255 mkm (Neptune Orbital Circumference) +
2 x 86400 mkm**

But

100224 million km = (Pluto Orbital Circumference – Jupiter Orbital Circumference) $\times \pi$ (I)
(Error less 1%)

(Neptune orbital Circumference – Earth orbital Circumference) $\times \pi = \underline{86400 \text{ mkm}}$ (II)
(Venus Orbital Circumference follow simply equation II where the error less 1%)

Discussion

How to understand Equation No. A?

I have supposed that – **The Space Is Energy** – means The distance is Energy – So
The Distance Between Pluto And Jupiter Is Energy...

So this distance value is multiplied by π (Which I don't know why!) to produce the
number 100224 mkm

Now we need double value of this same number (multiplying **x2**) - why?

Because

28255 mkm (Neptune Orbital Circumference) + 2 x 86400 mkm = 2 x 100224 mkm

Neptune Orbital Circumference consumes only 16% of this number (=28255mkm)

The rest value will be divided into 2 equal values each = **86400 million km**

Equation (II) tells us the value 86400 mkm can be produced by another way!!

(Neptune Orbital Circumference - Earth Orbital Circumference) $\times \pi = 86400 \text{ mkm}$

And this same equation can be used for Venus also...

Let's try to explain what the previous Data tell us in following:

The Whole Story

- The energy is sent from Jupiter toward Pluto (**NOTE** The Energy Direction)
- The sent energy was in light beams form – but this light beam velocity =1.16 mkm/sec – and Jupiter sends this energy toward Pluto during 2 complete solar days (2 x 86400 seconds) – so this light beam will pass during 2 solar days a distance = **100224 mkm x 2**
- The value **100224 mkm x 2** is the solar group main energy and it sent now from Jupiter Toward Pluto

- Neptune used 16% from the sent energy to create its orbital circumference
- Then
- Neptune reflected the rest of energy into 2 equal different trajectories of energy –each trajectory contains energy equal 86400 mkm
 - o **The 2nd Trajectory is sent toward Earth & Venus (86400 mkm)**
 - o The 1st Trajectory is sent to Mercury alone (86400 mkm)

Additional Data

Group (I)

Neptune Orbital Distance 4495.1mkm =

= Earth Venus distance 41.4 x **Venus orbital distance 108.2**

= **Mercury Orbital Distance 57.9** x Earth Mars distance 78.3

= Mercury venus distance 50.3 x **Mercury Earth distance 91.7** (error 2.5%)

Why the inner planets orbital and internal distances multiplications produce Neptune Orbital Distance – Because the distance is Energy – and Neptune is the inner planets direct source of Energy because he reflected the Energy toward them.

Group (II)

Jupiter Orbital Circumference

(Part 1)

360 mkm (Mercury Orbital Circumference) + 680 mkm (Venus Orbital Circumference) + 940 mkm (Earth Orbital Circumference) + 1433.5 mkm (Mars Orbital Circumference) + 1433.5 mkm (Mars Orbital Circumference) = 4900 mkm (Jupiter Orbital Circumference) (error 1%) (**Please Note** – We Use Mars Orbital Circumference 2 Times)

(Part 1)

Jupiter Orbital Distance

- Mercury Orbital Distance x 2 = Mercury Jupiter Distance
- Venus Orbital Distance = Venus Jupiter Distance (Error 1.5%)
- Earth Orbital Distance = Earth Jupiter Distance (Error 1.3%)

(Note)

(Earth and Jupiter are at 2 sides from the sun i.e. 940mkm=778.6mkm+149.6mkm)

(Part 2)

1. $\frac{778.6\text{mkm Jupiter Orbital Distance}}{720.3\text{mkm Jupiter Mercury distance}} = 1.0725$ (0.7%)

2. $\frac{720.3\text{mkm Jupiter Mercury distance}}{670\text{mkm Jupiter Venus Distance}} = 1.0725$ (No Error)

3. $\frac{670\text{mkm Jupiter Venus Distance}}{629\text{mkm Jupiter Earth Distance}} = 1.0725$ (0.6%)

More Discussion

I wish Jupiter Energy Data shows clearly one clear effect moves along the solar system which can't be done except only by light beam motion

5- Solar System Mass Distribution

5-1 Earth Mass

5-2 Solar System Mass Discussion

5-3 A General Comment

5-1 Earth Mass

Earth Mass = Total Masses Of (Mercury + Venus + Moon + Mars) (Error 1%)

Why Earth Mass = 4 Inner Planets Masses Total?

(This Answer For Explanation Only)

From double production we know 1.2 Mev (Gamma Rays) can produce electron + positron (2 particles equal in masses and different in charges)

Suppose A Great Gamma Ray produces the 5 inner planets –

Earth alone is A Great Electron

(means its nuclei have positive charges and electrons move around) (which is truth)

4 inner planets together consist A Great Positron

(means their nuclei have negative charges and positrons move around) (hypothesis)

Now the attraction between 5 inner planets may depend on electric forces

Comment

The previous example aims to give a description how masses can be created depending on each other– I don't confirm that's happened but I confirm that Any Planet Mass is created based on other planets masses and data

So

If the mass is not a planet property – it's created based on general system geometrical effect

Let's see the solar system masses distribution in following

5-2 Solar System Mass Discussion

I claim that – the solar planets masses total was one Mass and divided by the next distribution for geometrical reasons

That means – any planet mass isn't its own property but this mass is found for this planet as a geometrical feature produced by the general geometrical design

i.e.

- There's a general geometrical design for the solar group

And

- This general geometrical design defines the mass value for each planet
- The planet receives his mass as a gift from the general design to enable the planet to do his task which is required for the general design

i.e.

- The solar group mass is distributed to the planets based on geometrical reasons

Let's try to show that in following

I-Data

- The solar group total mass = $2667 * 10^{24}$ kg,
- This mass total is divided into 2 parts with rate 1: $(3.66)^2 = 200 : 2467$
- Value $2467 * 10^{24}$ kg is divided with rate 3/10 (Saturn Mass/Jupiter mass)

• **$200 * 10^{24}$ kg is separated into 2 equal parts 100 (Neptune Mass) + 100 (others mass)**

From this distribution, we found that,

- $100 * 10^{24}$ kg (the rest after Neptune) is separated to 88 Uranus + 12 the rest
- **$12 * 10^{24}$ kg is separated into 2 equal parts 6 (Earth Mass) + 6 (total masses of Mercury + Venus+ Moon +Mars)**

More Data

I claim the planets masses are created relative to each other – let's support this claim by the following data

I- Data

$$\text{1st- } \frac{\text{Jupiter Mass}}{\text{Earth Mass}} = \frac{2 \text{ Neptune Mass}}{\text{Mars Mass}} \quad (\text{No Error})$$

$$\text{2nd- } \frac{\text{Earth Mass}}{\text{Mercury Mass}} = \frac{\text{Uranus Mass}}{\text{Venus Mass}} \quad (\text{Error 1.5\%})$$

3rd- $\frac{\text{The Sun Mass}}{\text{Satrun Mass}} = 2 \times \frac{\text{Satrun Mass}}{\text{Mercury Mass}}$ (Error 1.6%)

4th- $\frac{\text{Jupiter Mass}}{\text{Earth Mass}} = \frac{\text{Neptune Mass}}{\text{Mercury Mass}}$ (Error 2.8%)

5th- $\frac{\text{Neptune Mass}}{\text{Inner Planets Masses Total}} = \frac{\text{Mars Mass}}{\text{Moon Mass}}$ (Error 2.4%)

6th- $\frac{\text{Mercury Mass}}{\text{Neptune Mass}} = \frac{\text{Earth Mass}}{\text{Jupiter Mass}}$ (Error 2.8%)

7th- $\frac{\text{Solar Planets Masses Total}}{\text{Satrun Mass}} = \frac{\text{Mercury Mass}}{\text{Moon Mass}}$ (Error 3.8%)

8th- **Earth Mass = total masses of (Mercury+ Venus +Mars+ Moon) (No Error)**

9th- **Neptune Mass= total masses of(Uranus +Inner solar planets +Pluto) (Error 3%)**

(Moon means Earth Moon)

5-3 A General Comment

If the previous data proves the claim that the solar system Mass is distributed and not a planet property – That Proves The General Effect On The Solar System
Again we see the powerful hand which distribute the planets data for Geometrical Jobs

6- Solar Planets Cycles proves the claim

6-1 Pluto Data

6-2 Planets Cycles

6-1 Pluto Data

I- Data

(1)

$$\frac{366000 \text{ km Outer Planets Diameters Total}}{2390 \text{ km PLuto Diameter}} = 153$$

Note Please : 153 hours = Pluto Day

(2)

$$\frac{153 \text{ h PLuto Day}}{24 \text{ h Earth Day}} = \frac{29.8 \text{ km (Earth Velocity)}}{4.7 \text{ km (Pluto Velocity)}} = 2\pi$$

(3)

$$153 \times 7511.4 \text{ km (Pluto Circumference)} = 0.99 \times 1.16 \text{ mkm}$$

(4)

7511.4 km (Pluto Circumference) x 86400 seconds = 0.99 x 655 mkm (Jupiter Saturn distance)

(5)

120536 km (Saturn Diameter) = $(7.1)^2 \times 2390 \text{ km (Pluto Diameter)}$

II-More Data

(a) 97.8 seconds x 1.16 mkm/sec = 113.4 mkm

(b) Pluto orbital period 90560 d. = $2\pi^3 \times 1461 \text{ d. (Earth cycle } 365+365+365+366)$

(c) Pluto orbital distance 5906.4 mkm = $2\pi \times 940 \text{ mkm (Earth orbital circumference)}$

(d) Earth velocity = Pluto velocity x 2π

(e) 17.4 deg (inner planets orb. inclinations To.) x 0.99 = 17.2 deg (Pluto orb. Inclin.)

ALSO 23.6 deg (outer planets axial tilts Total) x 0.99 = 23.4deg (Earth axial tilt)

(f) 122.5 deg. (Pluto axial tilt) = 23.45 deg. (Earth axial tilt) x 5.22 deg (where 5.1 deg = Earth Moon orbital inclination – error 2.5%)

Discussion

The data shows a deep relationship between Pluto and Earth which can't be created based on the current description – we have to suppose that there's a light beam connect Earth with Pluto—and that proves the claim "**Planet Motion= Light Motion**"

6-2 Planets Data

(I) Planet Diameter

Table No.1	No Error More Than 1.5%
Relationship	Rate
Earth Diameter / Venus Diameter =	A
= Mars Diameter / Earth Radius	
Mars Diameter / Venus Radius =	A2
= Venus Diameter / Moon Circumference=	
= Moon Radius * Π / Mercury Diameter =	
= Pluto Circumference / Mars Diameter=	
=Uranus Circumference / Jupiter Diameter =	
= lunar apogee radius /lunar perigee radius =	
Pluto Circumference / Earth Radius =	A3
=Mercury Circumference / Earth Diameter =	
= Earth Diameter / Moon Circumference=	
= Uranus Radius / Mars Circumference =	
= Jupiter Diameter / Saturn Diameter=	
= Saturn diameter / Uranus Diameter=	
Venus Radius / Mercury Diameter=	A4
= Uranus Diameter / Earth Circumference=	
Uranus Diameter / Venus Circumference=	A5
Jupiter Radius / Uranus Diameter=	A6
= Mercury Diameter / Moon Diameter	
=Mars Diameter / Mercury Diameter=	

Comment

Planet diameters are created relative to each – means – the total eclipse dimensions (which we have discussed in the introduction) was not exceptional

(2) Planets Cycle

Example No. 3

$$\begin{aligned} \text{Mars Orbital Period } 687 \text{ days} &= \text{Earth Orbital Period } 365.25 \text{ days} \quad \times 1.9 \\ &= \text{Moon Orbital Period } 27.3 \text{ days} \quad \times 25.2 \end{aligned}$$

(Where 1.9 deg = Mars orbital inclination and 25.2 deg = Mars Axial Tilt)

Also

$$\text{Jupiter orbital period } 4331 \text{ days} = \text{Mars Orbital Period } 687 \text{ days} \times 2\pi$$

Because Jupiter is a neighbor also for Mars (Spite The Great Distance)

So – the neighbor planet effects on the planet motion data – as we see here which supports the claim that Mars almost was the direct neighbor for Mercury...

We have a feeling that – there's something passes from a planet to another – that's the general effect which passes through the energy from point to another

This data we have discussed before in my previous paper

Table No. 5 Mercury rotation Period	Error
Mercury Rotation Period = 1407.6 hours	
<u>Mercury Rotation Period x 2</u> = 2815.2 h (<u>Venus Day 2802 h</u>)	less 1%
<u>Mercury Rotation Period x 3</u> = 4222.6 h (<u>Mercury Day 4222.6 h</u>)	No error
<u>Mercury Rotation Period x(II+1)</u> =5831.5h (<u>Venus Rotation Period 5832.5h</u>)	No error
<u>Mercury Rotation Period x 0.5</u> = 703.7 h (<u>Moon Day 708.7 h</u>)	less 1%
<u>Venus Day 2802 h x 2II</u> = 365.25 days (<u>Earth Orbital Period</u>)	No error

Simply we deal with one power moves through the solar system data and create this data relative to each other

Please review

Planet Orbital Period Definition

<http://vixra.org/abs/1910.0615>

Planet Orbital Period Definition (II)

<http://vixra.org/abs/1910.0638>