

Light Velocity Effect On Solar System Geometry (Part II)

Gerges Francis Twadrous

2nd Course Student – Physics Department - Physics & Math Faculty –
Peoples' Friendship University – Moscow – Russia -2010-2013
TEL +201022532292 mrwaheid@gmail.com / georgytawdrous@yandex.ru

Abstract

Paper Hypothesis

- Space = Energy
- Space is created by light motion

i.e.

- Light motion can create a distance

If

- Light creates a new distance by its motion – we may see this distance as a period of time

But

- If the light pass through a distance found already and not new one – we may see this distance as a distance and not period of time
- This idea supports 2 basic claim which are
- 1st / Time and Distance Values can be equivalent in higher velocity
- 2nd / Space is Energy and be created by light motion

Gerges Francis Tawdrous +201022532292
Curriculum Vitae <http://vixra.org/abs/1902.0044>
E-mail mrwaheid@gmail.com
LinkedIn <https://eg.linkedin.com/in/gerges-francis-86a351a1>
Twitter <https://twitter.com/TawdrousF>
Facebook <https://www.facebook.com/gergis.tawadrous>
Academia <https://rudn.academia.edu/GergesTawadrous>
All my papers http://vixra.org/author/gerges_francis_tawdrous

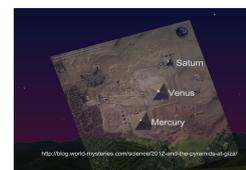
Please Review This Research Starting Point –
Is the 2737 Phenomenon a Real One?

<http://vixra.org/abs/1901.0381>

The Assumption Of S. Virgin Mary.

Written in Cairo – Egypt

23rd August 2019 (S. George)



1-Intorduction

Along my research I have tried to prove one idea only which may change the solar group general vision

Let's summarize it by asking ...

Why the sun diameter =1392000 km?

Or

Why Earth Circumference = 40080 km?

Simply we can use any planet data to ask about it

The direct answer isn't our deep goal... what we try here is to change the basic vision behind...! By what description we imagine the sun diameter is created?

Let's write the answer directly here may that help us for better understanding..

The Sun Diameter = 1392000 Km?? Because $\Pi = 3.142857$

We here discuss the deep principle behind the matter creation

The ideas in mind tell that- the sun is independent and needs special circumstances to be created – for that the random events with gravity forces and historical effects will unify together to create the sun diameter

This is the principle behind all classical descriptions

The idea which I suggest is that:

The solar system including the solar planets and the sun all of them are created as one geometrical structure – "geometrical structure" means some geometrical building as triangle – square – rectangle – cuboid- trapezoid.....etc

The vision becomes different now – because the geometrical structure has general rules control all its parts – now if the solar group is one geometrical structure that means the rules which control Pluto (for example) control also the sun herself the independent creation theory will be absent now –because we deal with a team...the description results will be even more interesting.... Because the solar group is one geometrical structure – so it behaves as a group – so Earth motion daily 2.58 mkm will no longer be seen as motion of individual planet – on the contrary – we will see the Earth motion with all solar planets motions as one group – as the train moves with all carriages – but in solar group case – this motion is done with different velocity for each planet (each carriage)

Of course the difference in velocities can't prove that these planets motions are independent from each other – because – for example- we see inside the atom – electron velocity is different from proton velocity and both together consist the atom – so we deal with the same one body –the same team

Again

Why The Sun Diameter = 1392000 km? **Because $\Pi = 3.142857$**

Now the solar group is a geometrical structure (or geometrical building)... this building consists of different parts all of them unify their tasks together to produce the final geometrical building...

So each part should be created (own Needs) and to be consistent to his job (Integration & Cooperation) and to enable the other parts to perform their tasks

So

To see how the solar group works we need at least

- (1) to know the geometrical structure basic rules
- (2) to know each part role (each planet role) in this geometrical structure

And

- (3) We may conclude any changes happened for the solar group during her history based on any un-expectable changes may be observed.

My idea still isn't clear yet –

Because

(I)

The basic components have classical definitions defined far from the solar group geometry and that creates many difficulties in the solar group geometry discovery

For example

We know the light velocity =0.3mkm/sec and we believe that this is the highest velocity in our universe...

(II)

The direct observation is our main method to discover the solar group geometry and that limited our ability to see deeply the solar group geometrical structure

So these are the difficulties which prevent us to discover as clear as possible the solar group geometry ...but

Are there any helpful methods?? All what we have are

(1st Help Method)

"The Solar Planets Data"

(2nd Help Method)

"The Supposed Principle"

"All Solar Planets Data Are Controlled By One Equation Only"

This principle will be discussed deeply with Paper research methodology

Any way my idea still isn't clear yet !!

How the matter is created? How the space is created? Can space store energy? if Space = Energy, can density of energy be changed from point to another through the space...?!

Why our situation is difficult?

Imagine one client requested from a painter to draw a painting – they agreed the money and time in addition to the painting quality

But

Do they agree the type of paper or colors? If there are no usual paper can the painter use a sheep skin to draw on it? can he use very good and bright colours which cause some bad smell or some illness..?

I want to discover the solar group geometry.... But

I have to accept the classical definition of space (for example) – but it's incorrect definition and will destroy my try to discover it..!

No velocity greater than c velocity (0.3mkm/sec)! – but Einstein set this principle (hypothesis) based on electrodynamics experiments and arguments – are we sure that this same concept can be used for the solar group geometry?

I mean, we may accept that the universe geometry is wider than our experimental current methods capacities – that means the limitation of velocity may be related to our ability only and not to the universe motion

As any other phenomena – for light beams – the human eyes can see the visible light but there are many other electromagnetic waves around we can't see

I try to show why our task is not easy – simply we need examine the science accurately, asking many new questions, trying with many historical unanswered questions and extending our vision as wide as possible

That's why my papers provide heavy arguments – We bring the science principle and compare it with solar planets data – and on the other hand – we move with the planet data till the final conclusion- and bring this conclusion before the science book to see if the book may accept this principle or not

The fighting in these papers – in all cases – because we will perform more confidence in the science theories and provide a way for a stable progress

Shortly

What we will do in this paper?

We will discuss the basic hypotheses which we have described in Part (I) of this paper..

Light Velocity Effect On Solar System Geometry

<http://vixra.org/abs/1908.0423>

Let's start immediately

Contents

The paper discusses the Basic Hypotheses of

Light Velocity Effect On Solar System Geometry

In next order

Hypothesis No. 1

I- There are 2 light velocities work in the solar system. Which are light known velocity (= 0.3mkm/sec) and light supposed velocity (=1.16 mkm/sec)

II- Light supposed velocity (1.16 mkm/sec) creates the distance by its motion (where Space = Energy) –

Hypothesis No. 2

III- Planet Matter is created from the distance energy – that explains the relationship between Planet Matter (diameter or mass) with its orbital distance

IV- Planet Matter is created from distance energy (Space =Energy) by relativistic effects help (specifically based on length contraction effect the distance energy give a birth for a matter)

Hypothesis No. 3

V- Energy Transportation Through The Solar Group

This hypothesis is discussed in (Light Velocity Effect On Solar System Geometry)

IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation

I do this research

2- Methodology

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- Hypothesis No. 1 (Light Velocities)

3-1 There are 2 Velocities of light work In The Solar Group

3-2 Proves

3-1 There are 2 Velocities of light work In The Solar Group

Hypothesis No. 1

A- There are 2 light velocities work in the solar system. Which are light known velocity (= 0.3mkm/sec) and light supposed velocity (=1.16 mkm/sec)

B- Light supposed velocity (1.16 mkm/sec) creates the distance by its motion (where Space = Energy)

I-Data

Group No. 1

25920 years = Precession Cycle

But

Light known velocity (0.3mkm/sec) passes 25920 mkm during a solar day (86400s)

Also

Solar planets velocities total daily (17.7mkm) x 1461 days = 25920 mkm

Group No. 2

Saturn orbital distance =1433.5 mkm in this table is used as a time value 1433.5 days

Table No.1	error
1433.5 days x Mercury velocity daily 4.095 mkm = 5870 mkm Pluto Orbital Distance	0
1433.5 days x Venus velocity daily 3.02 mkm = 4329 mkm Venus Neptune Distance	0
1433.5 days x Earth velocity daily 2.58 mkm = 3699 mkm Jupiter Neptune Distance	0
1433.5 days x Mars velocity daily 2.082 mkm = 2984.5 mkm Uranus Pluto Distance	0
1433.5 days x Jupiter velocity daily 1.1318 mkm = 1622.4 mkm Uranus Neptune Distance	0
1433.5 days x Saturn velocity daily 0.838 mkm = 1201 mkm Mars Saturn Distance	0.3%
1433.5 days x Uranus velocity daily 0.5875 mkm = 842 mkm	
1433.5 days x Neptune velocity daily 0.4665 mkm = 670 mkm Venus Jupiter Distance	0
1433.5 days x Pluto velocity daily 0.406 mkm = 582 mkm Mercury Earth distance	1%

Group No. 3

500 seconds x 1.16 mkm/sec =580 mkm

- i. 580 days x 2.082 mkm/daily (Mars Velocity Daily)= 1205 mkm (Mars Saturn Distance)
- ii. 580 days x 1.1318 mkm/daily (Jupiter Velocity Daily)= 655 mkm (Jupiter Saturn Distance)
- iii. 580 days x 3.02 mkm/daily (Venus Velocity Daily)= π x 550.7 mkm (Mars Jupiter Distance) (error 1.2 %)
- iv. 580 days x 4.095 mkm/daily (Mercury Velocity Daily)= π x 778.6 mkm (Jupiter Orbital Distance) (error 3%)
- v. 580 days x 2.58 mkm/daily (Earth Velocity Daily) x2 = 3000 mkm (Uranus Pluto Distance) (error 3%)
- vi. 580 days x 0.5875 mkm/daily (Uranus Velocity Daily)= 2x 170 mkm (Mars Mercury Distance)
- vii. 580 days x 0.838 mkm/daily (Saturn Velocity Daily)= 2 x 243 mkm
- viii. 580 days x 0.406 mkm/daily (Pluto Velocity Daily)= 237 mkm

I-Discussion

The previous 3 groups of data provide us with a clear hypothesis...

Let's write it in following

A Hypothesis

(1)

If light beam passes a distance – this distance will be seen by us as a time period
Why?

Because $x = ct$ where light moves by known velocity 0.3 mkm/sec or by supposed velocity 1.16 mkm/sec

(2)

If planet moves a distance this distance will be seen by us as a distance

(3)

Light and planet motions distances are transported through the solar group

What does that mean?

25920 years = Precession Cycle

This Cycle is found because the light (0.3mkm/second) travels during a solar day (86400 seconds) a distance =25920 mkm – we see this distance as a period of time

Why we see it as 25920 years and not 25920 days (for example)?

The energy is transported from point to another in the solar group – as we have discussed before – in energy transportation the solar group transforms 1 mkm into 1 second, 1 minute, 1 hour, 1 day, 1 week.....etc

Different cycles are used as gears motions to produce the time units as we know (i.e. Time units "second – minute – hour- day- week – month –year – Earth cycle 1461 days and all other time units are defined based on astronomical motions)

So – distance values can be used as time values – "As General" is a correct principle but

What distance value will be used as what time value this question answer depends on the solar group geometrical structure and the machine by which the energy is transported from point to another through the solar group

Question (1)

149.6 mkm = 500 seconds x 0.3 mkm/sec (light known velocity)

Now the distance 149.6 mkm is passed by light beam but we see it as distance and not time period? What's the difference from the previous example

Answer (1)

I concluded that – light motion creates a distance – it's a new distance which isn't found before and is created now by light direct motion- in this case this distance will be seen as light motion distance and we will see it as **a time period** – but planet motion through any found distance creates no more distance and that's why we see it as a distance and not a time period.

ALSO if light passes a found distance (not new one) this motion also we'll see as a distance and not time period – **FIRST** Let's prove that these 3 distances are done by light beams in following:

3-2Proves

(1st Proof)

Group no. 2 of data

$$1000 \times 1.46 \text{ mkm/sec} = 1460 \text{ mkm}$$

$$1.16 \text{ mkm/sec (Light Supposed Velocity)} + 0.3 \text{ mkm/sec (Light Known Velocity)} = 1.46 \text{ mkm/sec (Total Velocity)}$$

(We have seen this velocity before where $1.46 \text{ mkm} = \pi \times 0.4665 \text{ mkm}$ (Neptune Velocity Daily)- and agreed that 1 second of light motion "both velocities" produces Neptune Motion for 1 solar day)

So during 1000 seconds the light velocity (1.46 mkm/sec) will create a distance =1460 mkm

(Result No.1)

$$100 \times \Pi^3 \times 1.16 \text{ mkm/sec} = 3601 \text{ mkm}$$

By using Π^3 with light velocity 1.16 mkm during 100 seconds the result will be 3601 mkm

(Result No.2)

$$3601 \text{ mkm} + 1460 \text{ mkm} = 3600 \text{ mkm} + 1461 \text{ mkm}$$

Where

$$1461 \text{ days} = \text{Earth Cycle} (365+365+365+366 = 1461 \text{ days})$$

3600 seconds are used in the equation

$$90000 \text{ seconds} = 86400 \text{ seconds} + 3600 \text{ seconds}$$

(Part I)

$$100 \Pi^2 \times 1.46 \text{ mkm/sec} = 1433.5 \text{ mkm (Saturn Orbital Distance)}$$

$$1.16 \text{ mkm/sec (Light Supposed Velocity)} + 0.3 \text{ mkm/sec (Light Known Velocity)} = 1.46 \text{ mkm/sec (Total Velocity)}$$

(We have seen this velocity before where $1.46 \text{ mkm} = \pi \times 0.4665 \text{ mkm}$ (Neptune Velocity Daily)- and agreed that 1 second of light motion "both velocities" produces Neptune Motion for 1 solar day)

So the distance 1433.5 mkm is found basically based on light motion for 100 seconds For both velocities but with using Π^2

(Part II)

$$1461 \text{ days} - 1433.5 \text{ days} = 27.5 \text{ (Where } 27.3 \text{ days} = \text{Moon Orbital Cycle)}$$

Discussion

The previous data is complex to explain for many reasons
Any way let's explain one example only in following

Neptune Velocity

$1.46 \text{ mkm} = \pi \times 0.4665 \text{ mkm}$ (Neptune Velocity Daily)-

This equation tells us that –the distance 0.4665 mkm which Neptune passes daily is seen for some geometrical reason as 1.46 mkm –

So we need 1000 days of Neptune motion to produce 1460 mkm

Also

We know Pluto motion for 1 day depends on light motion (1.16mkm/sec) for 1 second

Now Neptune will use his distance 1460 mkm and 1 second of light motion (for Pluto motion)

To produce $1460 + 1 = 1461 \text{ mkm} = 1461 \text{ days or} = 1461 \text{ seconds}$

We have argued before that the unit is relative

So the value 1461 is created as light motion – even we see it in Neptune motion form – it's not true – it's a light motion ($1.16 \text{ mkm} + 0.3 \text{ mkm} = 1.46 \text{ mkm}$)

What I'm trying to do here is to explain that – the light motion is distinguished from the planet motion when the light creates the distance at first motion – after this process the distance will be used by planet and light as similar to each other

The process is complex but the data can be explained based on this idea – now we can support the claim that time and distance are equivalent in higher velocities and also to support the claim that the distance is created by light motion...

(2nd Proof)

Group No. 3 of data

The distance 580 mkm is used by this same idea

$$580 \text{ mkm} = 1.16 \text{ mkm/sec} \times 500 \text{ seconds}$$

Data (Revision)

- i. 580 days x 2.082 mkm/daily (Mars Velocity Daily)= 1205 mkm (Mars Saturn Distance)
- ii. 580 days x 1.1318 mkm/daily (Jupiter Velocity Daily)= 655 mkm (Jupiter Saturn Distance)
- iii. 580 days x 3.02 mkm/daily (Venus Velocity Daily)= $\pi \times 550.7$ mkm (Mars Jupiter Distance) (error 1.2 %)
- iv. 580 days x 4.095 mkm/daily (Mercury Velocity Daily)= $\pi \times 778.6$ mkm (Jupiter Orbital Distance) (error 3%)
- v. 580 days x 2.58 mkm/daily (Earth Velocity Daily) x2 = 3000 mkm (Uranus Pluto Distance) (error 3%)
- vi. 580 days x 0.5875 mkm/daily (Uranus Velocity Daily)= 2x 170 mkm (Mars Mercury Distance)
- vii. 580 days x 0.838 mkm/daily (Saturn Velocity Daily)= 2 x 243 mkm
- viii. 580 days x 0.406 mkm/daily (Pluto Velocity Daily)= 237 mkm

Discussion (Revision)

Why the previous data is a proof? Because the planets with their real velocities produce real distances

Mars for example produces his distance to Saturn which is mars most important distance

(**equation v** uses number 2 in the equation because the working velocity contains Earth velocity +moon velocity and we know they move by equal velocity otherwise they may be separated from each other)

(**equation vii** produces 243 mkm "Mercury moves 243 mkm during its rotation period" so it's a real distance also)

(**equation viii** produces 237 mkm and we know that solar day =237 seconds of the sun rate of time – so the 237 seconds is seen here as 237 mkm – not very strange number for example we frequently dealt the value 86400 mkm which corresponds to 86400 seconds)

What we try to prove here?

The value 580 days is a working value in solar group geometry

Why this is important?

Because ...the distance 580 mkm is produced from 1.16 mkm x 500 seconds – so this calculation tells that the 580 is a distance =580 mkm but we see it here as 580 days – that supports my claim "time and distance equivalent"

But more important

It tells us that this motion (580 mkm) is done by a light beam because it's seen by us as a time value

Group No. 1 of data shows how this distance 580 mkm (Energy) which is found by light motion (1.16 mkm/sec) for 500 seconds

How this distance (Energy) is transported from point to another through the solar group

Where Group No. 1 is so complex because the solar planets are created relative to each other and their motions depend on each other – for that to see clearly the Energy transportation process will be a real complex analysis

But group No. 2 of data provides us a real treasure because it tells that – the distance is done by light and we see it as a time value because the light velocity creates relativistic effects for us

For Time And Distance Equivalence detailed discussion please review

Time And Distance Equivalence (Proves) <http://vixra.org/abs/1904.0125>

A Summary Of My Research -Part 3- (Relativistic Effects Discussion)
<http://vixra.org/abs/1907.0523>

The Time Definition <http://vixra.org/abs/1805.0523>

4- Hypothesis No.2 (Matter Creation Principle)

4-1 Data (Revision)

4-2 Discussion

4-1 Data (Revision)

Hypothesis No. 2 (Matter Creation Principle)

- A- Planet Matter is created from the distance energy – that explains the relationship between Planet Matter (diameter or mass) with its orbital distance
- B- Planet Matter is created from distance energy (Space =Energy) by relativistic effects help (specifically based on length contraction effect the distance energy give a birth for a matter)

Data (Revision)

- ❖ 720.7 mkm (Mercury Jupiter Distance) = $(71)^2 \times 142984\text{km}$ (Jupiter Diameter)
- ❖ 1205 mkm (Mars Saturn Distance) = $(71)^2 \times 2 \times 120536\text{km}$ (Saturn Diameter)
- ❖ 50.3 mkm (Mercury Venus Distance) = $(71)^2 \times 2 \times 4879\text{km}$ (Mercury Diameter)
- ❖ 119.7 mkm (Venus Mars Distance) = $(71)^2 \times 2 \times 12104 \text{ km}$ (Venus Diameter)
- ❖ $\pi \times 41.4 \text{ mkm}$ (Venus Earth Distance) = $(71)^2 \times 2 \times 12756 \text{ km}$ (Earth Diameter)
- ❖ 108.2 mkm (Venus Orbital Distance) = $(71)^2 \times 21346 \text{ km}$ (Mars Circumference)
- ❖ 1622.7 mkm (Uranus Neptune Distance) = $(71)^2 \times 2 \times 160592 \text{ km}$ (Uranus Circumference)
- ❖ 778.6 mkm (Jupiter Orbital Distance) = $(71)^2 \times 155597 \text{ km}$ (Neptune Circumference)

- ❖ **17.4 mkm = $(71)^2 \times 3475 \text{ km}$ Earth Moon Diameter**
(Previous Data Max Error 1.6%)

- ❖ 78.3 mkm (Earth Mars Distance) = $(71)^2 \times 7511.4 \text{ km}$ (Pluto Circumference)
(Error 3.2%)

4-2 Discussion

The previous idea is clear before our eyes but can we trust it?

Let's summarize this idea to examine it in following:

- Light with supposed velocity 1.16 mkm/sec creates the distance by motion – that means – this light through 10 seconds (for example) pass a distance = 11.6 mkm – now this distance 11.6 mkm was not found before light motion and found after light motion..... as we have discussed in previous point

Now let's ask

- How this distance is created? By light energy ... so distance = energy
- i.e. Space = Energy
- That means.... Energy is in Space form

- The hypothesis tells us that
Space Energy Give A Birth To A Matter By Lorentz Length Contraction Effect, regarding matter quantum requirements
- Then the paper provides equations for all planets to define the planet diameter based on the rate $(71)^2$ where we know that the rate 71 is found by lorentz length contract effect found based on a velocity = $0.9999c$
- Base on these equations – I claim – I'm right and the matter is created based on distance energy and lorentz length contraction effect

- **Can this data prove the hypothesis??**
- For example - $78.3 \text{ mkm (Earth Mars Distance)} = (71)^2 \times 7511.4 \text{ km (Pluto Circumference)}$ (Error 3.2%)

But ...

- $120536 \text{ km (Saturn Diameter)} = (7.1)^2 \times 2390 \text{ km (Pluto Diameter)}$ – based on this equation Pluto distance is created by lorentz length contraction effect (double) – perfectly as the previous equation – but by using the rate 7.1 in place 71 and now there's no error at all (in place of the previous equation error = 3.2%) – if we depend completely on the planets data we should use this equation and not the previous one.....

How to understand that....?

To see as clear as possible – we need to answer 2 questions:

- (1) How To Understand The Used Data in point no. 4-1
- (2) How to understand the other data which may contradicts our data direction

Question NO. 1

How To Understand The Used Data in point no. 4-1

The distances produced 3 types of data (planet diameter or 2 planet diameters or planet circumference) why??

Definition of π

$$401 \times 4 \pi = 5041$$

No Error

Where

401 = (Sun diameter / Moon Diameter)

5041 = $(71)^2$

Let's summarize the idea in following...

The moon motion (and moon orbit) creates a specific vision for us – simply – the space around Earth is effected by Moon motion and we have specific vision as a result of the moon motion – that means

All elliptical trajectories of motions are created as effect of the moon on our vision
Simply

The factor Π expresses the moon motion effects on our vision and for that the accusations produces the planets circumferences as similar as planets diameters – where the straight and curved light are defined for us according to the moon motion effect on our vision

More Explanation

The angle between these 2 light beams which touch the moon diameter both sides = 0.5 degrees-

Moon diameter = 3475 km is defined by angle = 0.5 deg.
for 360 degrees what's the defined distance?

2.5 mkm –but the moon orbital circumference= 2.5 mkm!

That means our vision angle defines the moon diameter and its orbital circumference

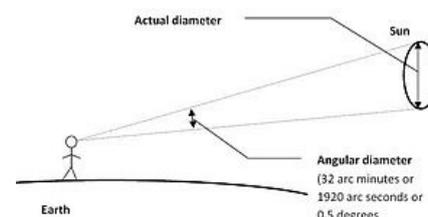
That's what I'm trying to prove

The moon effects on our vision – and what we see – we see based on the geometrical structure created by the moon motion

For that reason the factor Π defines many of our data where this factor is created by the moon orbit effect on our vision

Note Please

This same calculation can be using for the sun diameter



2 Planet Diameters

Why the data uses double value of planet diameter- we have discussed this question before...let's remember some more data in following...

I-Data

- (1) Saturn Diameter – Jupiter Radius = Neptune Diameter x 0.99
- (2) Jupiter diameters x 2 + Saturn diameter = solar planets diameters total
- (3) Neptune Circumference x 2 = outer planets diameters total (except Neptune diameter)

Note Please

a. Earth Circumference = Inner Planets Diameters Total

- (4) Jupiter sends his energy for 2 days (as we have discussed in Part. 1)
- (5) Mercury moves during 5040 seconds a distance = 2 Saturn Diameters
- (6) (2.58 mkm moon orbital circumference at apogee - 2.41 mkm moon orbital circumference at average point) = 2 x 88000 km (Moon daily displacement).
- (7) Energy reflected from Neptune toward inner planets = 2 x 86400 km
- (8) Jupiter Orbital Circumference = Mercury Orbital Circumference + Venus Orbital Circumference + Earth Orbital Circumference + 2 Mars Orbital Circumferences
- (9) Mercury Orbital Circumference x 2 = Mercury Jupiter Distance
(i.e. mercury during his day period moves a distance = Mercury Jupiter Distance)
- (10) Saturn Orbital Distance = Mercury Jupiter Distance x 2
- (11) Uranus Orbital Distance = Saturn orbital Distance x 2

Let's remember also Jupiter & Saturn relationship equations in following:

(12)

$$\frac{\text{Jupiter diameter } 142984 \text{ km}}{\text{Saturn diameter } 120536 \text{ km}} = \frac{2\pi}{2\pi - 1}$$

(13)

2 Jupiter Circumferences - 2 Saturn Circumferences = 1 Jupiter Diameter (error 1.3%)

(14)

(Jupiter Diameter)² + (Saturn Diameter)² = (0.5 Saturn Circumference)² (1.2%)

(15)

2 Jupiter Diameters + 1 Saturn Diameter = Solar Planets Diameters Total (No Error)

i.e.

Jupiter Diameter = 8 Planets Diameters Total

(16)

Saturn Diameter – Jupiter Radius = Neptune Diameter x 0.99 (No Error)

Discussion

There's a rule control the solar planets diameters relationship – the one equation which I claimed it's found and control the planets diameters ... (F) = 2x + 1 y

So the value (2 x) is always found relative to (1 y) that's why we see the double value of planets diameters in the matter creation data

Question NO. 2

How to understand the other data which may contradicts our data direction?

No contradicting data

Pluto is created based on Saturn diameter

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

The matter is created by 2 factors

A- Double Contraction Effect $(71)^2$ Or $(7.1)^2$

B- Matter Creation quantum requirement

So any lorentz rate can causes the birth of matter IF the quantum requirement is satisfied.

5- Definition of Motion

5-1 Earth Moon Diameter effects on its Motion

5-2 Earth & Moon Motions Harmony

Hypothesis No. 4

Earth Moon Diameter Shows Light Velocities Effect On Planet Motion

5-1 Earth Moon Diameter effects on its Motion

I-Data

- A- Outer Planets Diameters Total= Earth Moon Distance At Apogee Radius + Moon Diameter
- B- Inner Planets Diameters Total= The Distance from perigee to apogee (Minus Moon Diameter)
- C- Solar Planets Diameters Total= Earth Moon Distance At Apogee Radius

I-Discussion

How can we understand the previous data??

The moon revolves around Earth and has basic points in his motion which are:

- **Perigee Point** which locates at radius 363000 km from Earth – and this is the most near point to Earth to which the moon can reach
- **Apogee Point** which locates at radius 406000 km from Earth – and this is the most far point from Earth to which the moon can reach

Now

Outer planets diameters total = 366550 km and not 363000 km (Perigee radius) but the moon diameter = 3475 km

i.e.

if we add 363000 km + 3475 km = 366550 km (outer planets diameters total)

(Result No.1)

Also

- From Perigee Point (363000km) to Apogee point (406000km) = 43000 km

But

- Inner planets diameters total =40000 km

i.e.

- If we minus from 43000 km the moon diameter 3475 km we will get 39525 km which is very near to 40000 km (inner planets diameters total) (error 1.2%)

Now

- The idea is clear.... If we take the moon and fixed it on the perigee point so the distance from Earth to End the moon body will = outer planets diameters total without any error in calculation.... In the same time the rest distance after the moon body to apogee point will = inner solar planets diameters total with error 1.2%

(Inner Planets Diameters = Mercury + Venus + Earth + **Moon + Mars = 40000km)**

II- Deep Discussion

Do we understand any useful thing from these calculations....?

We calculate the moon diameter with the inner planets and produce 40000km

But

The space between perigee and apogee $406000 - 363000 = 43000$ km

In this space the moon moves from perigee to apogee – in fact the space doesn't = 43000 but only 39525 km because the moon moves through in this distance

That means

When the moon be in perigee point actually – in this cases the distance from the moon body to Earth = outer planets diameters totaletc

As we have explained already...

What all that for? What we try to discover here??

The motion is found in harmony with these calculations....

Now

I wish the reader notices the accuracy by which this process is done...

For example

Apogee radius 406000 km = solar planets diameters total

In this calculation there's one moon diameter only...

i.e.

diameters of (Mercury + Venus + Earth + Moon + Mars + Jupiter + Saturn + Uranus + Neptune + Pluto) = **406562 km**

The calculation uses one diameter of moon only

And why Perigee point isn't at 366556 km in place of 363000 km? in this cases all calculations will be accurate.... But he needs to cut 3500 km for the moon diameter to enable the moon to move!

Here the motion is done by some geometrical interactions – as if we have some a well found in plain land The water in this plain land moves toward the well because it's lower in level relative to the other land – that's the way by which the motion is done... the motion depends on the geometrical feature of the solar system structure...

To understand much better let's provide more analysis in following

More analysis

Outer planets diameter total = 366556 km

The Moon Diameter = 1% of this value = 3475 km

Why the percentage is important one? Because of the rate 0.99

- 17.4 degrees (Inner Planets Orbital Inclinations Total) x 0.99 = 17.2 deg Pluto orbital inclination
- 23.6 degrees (Outer Planets Orbital Inclinations Total) x 0.99 = 23.4 deg Pluto orbital inclination
- $(180/2\pi)$ degrees x 0.99 = 28.3 degrees (Neptune Axial Tilt)

The previous data is example of many others we have studied before
While the moon diameter =1% of the outer planets diameter total that tells us there geometrical mechanism is found behind this data...

But Why 1% of outer planets diameters total??

366556 km = Outer Planets Diameters Total
1.16 mkm = Π x Outer Planets Diameters Total

Please review Definition of (Π) – we have discussed in this discussion before

Now we can conclude that –Outer Planets Diameters Total are created depend on a light motion of supposed velocity 1.16 mkm/sec for 1 second period
We remember The moon diameter =1% Because the moon diameter is created relative to light velocities (both velocities 0.3mkm /sec and 1.16 mkm/sec)

We know that perfectly where

(1)

43000 km (Apogee –Perigee Dis.) x 27.3(moon orbital period 27.3 days) = 1.16 mkm

(2)

10921 km (Moon Circumference) x 27.3 days (moon orbital period)= 0.3 mkm

(3)

10921 km (Moon Circumference) x 86400 seconds (Solar Day)= 940 mkm (Earth orbital circumference)

We have discussed the previous equations frequently before- I try to show that the moon diameter is created relative to the light velocities.... and this relationship effects on the moon creation and motion

5-2 Earth & Moon Motions Harmony

The first notice we can see in Earth and Moon motions are the incredible harmony

- Earth daily moves a distance = 2.58 mkm = 0.985 degrees to complete 360 degrees in 365.25 days...
- i.e. Earth during 29.53 days move **29.2 degrees**

but

- The moon moves daily 2.58 mkm but the moon during the day moves 13.18 degrees to perform 360 degrees during 27.3 days

Means

- The moon during 29.53 days move a distance = 389.2 degrees
- 389.2 degrees – 360 degrees = **29.2 degrees**

Why these values are equal?

We should examine the moon orbit motion deeply – to be sure – that – the moon and Earth move together as 2 gears in the same machine – the ruler of degrees for both of them are one – which creates their motions harmony and interactions...

More Discussion

Let's remember the previous equations explanation in following

(1)

43000 km (Apogee – Perigee Dis.) x 27.3 (moon orbital period 27.3 days) = 1.16 mkm

(2)

10921 km (Moon Circumference) x 27.3 days (moon orbital period) = 0.3 mkm

This equation tells us that – if the moon rotates around its axis once daily he will pass during his orbital period a distance = light motion distance for 1 second only (light known velocity 0.3 mkm/sec)

(3)

10921 km (Moon Circumference) x 86400 seconds (Solar Day) = 940 mkm (Earth orbital circumference)

This equation tells us that – if Earth revolves around the sun one complete revolution in one day only – the moon circumference will be = 1 second distance of Earth Motion.

But what does equation No. 1 tell us??

The total energy 1.16 mkm will be used for 2 purposes (1st) a distance = 43000 km and (2nd) a period = 27.3 days = moon orbital period.