

### The Moon Creation And Motion (III)

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#### Abstract

#### Paper Hypothesis

- Planet Motion depends On Light Motion
- Mars & The Earth Moon Motions are Interacting because "**Planet Motion Depends On Light Motion**"

i.e. Even If The Earth Moon is created by Mars Collisions with Venus and Earth (through Mars Migration Motion)- but the Geometrical building of The Moon Planet still controlled by the same rules based on which Mars, Venus & Earth Were Created! Why??

Because the light motion is the cause behind the planet motion-

And because of that – All planets motions are controlled by this same light motion – Shortly

The light motion is the master and maker of the road and all planets are followers.

The paper discusses this hypothesis deeply-

First let's remember Mars Migration Theory – to discover the historical events by which the earth Moon was created from Mars collisions debris with Venus and Earth

#### Mars Migration Theory Revision:

- Mars original orbital distance was 84 mkm. and Mars had migrated to 227.9 mkm
- Through Mars Motion from 84 mkm to 227.9 mkm, Mars had collided with Venus and then Mars had collided with Earth also.
- From the Collisions debris The Earth Moon was created –and Mars had found its moons. And the rest debris had attracted by Jupiter and created **The Asteroid Belt**

**The Giant-Impact Hypothesis** is in consistency with **Mars migration theory**

**But** Instead of the (Supposed Planet) **Theia**, Mars itself made the collisions.

**Mars migration Theory** solves The **Giant-Impact Hypothesis difficulties**:

I. **Why Venus has No Moon?** – Because Mars had migrated and moved from 84 mkm to 227.9 mkm and pushed all debris in its motion direction – **far from Venus** – So Venus had found no debris around to create its own Moon - But Earth has a greater Mass and the debris lost their motion high momentum at Earth Position– so Earth could attract some debris and create its moon

II. **The Lunar Magma Ocean (LMO) Origin– is Venus** – because the moon is created by 3 planets debris (Venus – Earth – Mars) – So their rocks are found in it

- III. **Why The Iron Oxide (Feo) of the Moon= (13%)? Because** The rate (13%) is a middle between Mars rate (18%) and the terrestrial mantle (8%).
- IV. **Why Mars diameter (and Mass) are decreased through the history? Because** of the collisions – Mars diameter lost around ( 4.1 %) (And Mars mass also which causes difficulties for Mars gravitation equation)
- V. **Mars migration** is done **Because of The Sun Creation Process**
- VI. Is there a possibility that Mars will return to its original point (84 mkm)? **Yes**
- VII. **Why?** Because the Planet orbital distance is defined relative to its diameter (and Mass) Mars now is in **the wrong Position**- but forced to it because of the sun effect

### **Conclusion**

**The Giant-impact hypothesis supports Mars migration Theory**

## 1- Introduction

What are we doing in this papers series (**The Moon Creation And Motion**)??

We analyze the Earth Moon and Mars Data to prove the following ideas

- 1- The Earth Moon and Mars Motions are interacting Motions – But The Moon & Earth Motions also interaction Motions – that means – we try to prove that The Earth, Moon and Mars Motions are unified in one general motion – or at least – Interacting Motions – means – each motion is a reason and result for the other motions.
- 2- Regardless the idea difficulties – suppose it's correct – what a big deal behind? What money we will have if these 3 planets motions are interacting with other?
- 3- That tells – there's one gear behind- if these 3 planets motions are interacting or unified with each other – that may tell us ...there's one reason behind these 3 planets motions – I don't mean the sun mass is a reason for these planets- I mean – the motion is found by one reason and this on motion is seen in 3 planets interacting motions!

### Imaginary Figure For Explanation

- 4- Imagine we have a motor rotates in one direction and we put on its axis a cylinder of metal and on this cylinder edge we well-established a sword- so this figure gives us 3 motions for the same motor – which are, the motor axis (1<sup>st</sup> direction) – the cylinder motions (motion in circle) and the sword motion (2<sup>nd</sup> direction) – 3 motions are produced by one motor motion...

So we analyze The Moon & Mars data to reach to this conclusion...

### Example No. 1

Let's remember one question from the previous paper (II)

Why Mars orbital inclination 1.9 degrees = (1/0.526 degrees) (where 0.526 degrees = Mars Motion degrees daily)?

We have asked this question frequently and still swings in our position and no progress is performed till now – so let's try again....

**First** – Is this case repeated with any other planet....? No?

**Second** – Is this relationship ( $A = 1/B$ ) repeated ever?? Yes

(1)

**Mars Velocity Per Solar Day = 1/ (Neptune Velocity Per Solar Day)**

(2)

**The Earth Moon Velocity Per Solar Day = 1/ (Pluto Velocity Per Solar Day)**

Now the relationship ( $A=1/ B$ ) is repeated indeed – Why this relationship is found?

But

**Note Please** - these values are not equivalent their values in second units! What does that mean??

**Neither** .....**Mars Velocity Doesn't = 1/ Neptune Velocity**

**Nor** ..... **Pluto Velocity Doesn't = 1/ The Earth Moon Velocity**

So – The Relationship ( $A=1/B$ ) depends almost on The Solar Day

Not clear for us...let's move step by step ...

What proves that .....  $A = 1/B$ ..... Let's see in following

- Mars Velocity Per Solar Day = 2.082 mkm
- Neptune Velocity Per Solar Day = 0.47 mkm

**Simply**

$$2.082 \text{ mkm} \times 0.47 \text{ mkm} = 0.980 \text{ mkm}^2$$

The result 0.98 is very near to 1 (error around 2%)

This same idea is used for Pluto and Moon Velocities per solar day

The same – also – is done for the previous equation

Mars moves **Per Solar Day** a distance = **0.526 degrees**

Now

$0.526 \text{ deg.} \times 1.9 \text{ deg} = 1 \text{ deg}^2$  (approximately) where 1.9 deg = Mars Orbi. Inclination

The previous data has 2 properties

1<sup>st</sup> All Data Is Related To Planets Migrant Or Created After The Sun Creation

2<sup>nd</sup> All Data Depends On The Solar Day Period

So the question is ..... **Why The Solar Day Is So Effective On Planets Data?**

That explains The Earth Moon (And Mars) Data Analysis

We dig here to know why these motions are interacting with each other – and after the digging we have found that – the Solar Day is the secret word behind! And Why?

Let's provide this paper contents to deepen this discussion as deep as possible...

### **Paper Contents**

2- Methodology

3- Why Mars Orbital Period = 687 Solar Days?

4- The Solar System Time Definition (The Solar System own Clock)

5- Mars Migration Theory Proves

6- The Planets Motions depend On Light Motions

## 2- Methodology

Let's remember one of Einstein basics questions in following

**Why The Matter Electromagnetic Properties Can't Predict The Matter Mechanical Properties?! i.e.**

### **How the matter is created?**

Why Earth Circumference = 40080 km = the (5) inner planets diameters total?

Lorentz add more depth for this investigation – so let's ask again

*Is Lorentz length Contraction Phenomenon a real phenomenon effect on the particle own nature, or it's just illusion of measurement? My answer is Lorentz length Contraction Phenomenon is a real phenomenon Why?*

Because

(1<sup>st</sup>) Empirical results prove these features (length contraction- mass increasing)- and We need to protect the physical experimental measurements credibility- means we attribute any properties to any particle based on experimental results ....And

(2<sup>nd</sup>) If the particle real (and correct) data is found when this particle motion relative to me = zero, that means I'm **The Universe Reference Point**.

The next question is ready

**Why Particle data (length and mass) can be changed with high velocity motion?**

### **How the matter is created?**

We can perform no progress unless we answer this question...

The Observer Effect Concept add more depth for this same investigation

- Why does a particle behave as particle and not as a wave after its observation?  
How the observer effect on the particle nature?
- It's some strange experiment – before the observation we have (particles or waves) but after the observation we have particles only! Why?

### **How the matter is created?**

Let's imagine we have 2 observers travel with light velocity (0.3mkm/sec) – how each one will see the other? No difference in velocity between their motions – so each observer will see the other as a matter (a Particle)

That's my situation – no difference in velocity between my motion and my computer motion – so if we both are in a spacecraft moves with light velocity nothing change

The argument tells us that – Not all matters we see as matters still matters for all observers.

## Methodology

How the previous discussion can explain the research methodology?

### **Shortly**

I use the planets data analysis to discover the geometrical and physical rules on which the planets were created – Specifically-

- 1- I compare between the planets data and the physics acceptable theories to see if there's a consistency between both
- 2- I compare between the planets data with each other to see if they are independent or dependent on each other..

### 3- Why Mars Orbital Period = 687 Solar Days?

3-1 Mars Orbital Period 687 Solar Days Analysis

3-2 More About Mars Orbital Period 687 Solar Days

3-3 Metonic Cycle Period Analysis

### 3-1 Mars Orbital Period 687 Solar Days Analysis

Let's analyze this value (687 days) as systematically as possible – first we will use this value in (days) and then we will use it in (seconds units)- .....Why?

Please remember the motion main concept

#### 1 Day Of Planet Motion Depends On Light Motion For 1 Second

So, the value (687 days) will be used as days (for planet) and as seconds (for light)

#### I- Data

##### Group No. (1)

- 1- 687 days x 4.095 mkm/ solar day (Mercury velocity) = Mercury Uranus Distance
- 2- 687 days x 3.02 mkm/ solar day (Venus velocity) = Jupiter Uranus Distance(1%)
- 3- 687 days x 2.082 mkm/ solar day (Mars velocity) = Mars orbital circumference
- 4- 687 days x 0.838 mkm/ solar day (Saturn velocity) = Jupiter Orbital Distance
- 5- 687 days x 0.409 mkm/ solar day (Pluto velocity)= Mercury Earth Distance x  $\pi$  (2%)
- 6- 687 days x 0.47 mkm/ solar day (Neptune velocity)= Mercury Venus distance x  $2\pi$  (2%)
- 7- 687 days x 0.59 mkm/ solar day (Uranus velocity) = Venus Earth distance x  $\pi^2$

##### Group No. (2)

- 8- 687 sec x 47.4 km/ sec (Mercury velocity) = 32564 km
- 9- 687 sec x 35 km/ sec (Venus velocity) = 24045 km
- 10- 687 sec x 29.8 km/ sec (Earth velocity) = 20473 km
- 11- 687 sec x 29.8 km/ sec (Earth velocity) = 20473 km
- 12- 687 sec x 27.8 km/ sec (Moon velocity) = 19099 km
- 13- 687 sec x 24.1 km/ sec (Mars velocity) = 16557 km
- 14- 687 sec x 13.1 km/ sec (Jupiter velocity) = 9000 km
- 15- 687 sec x 9.7 km/ sec (Saturn velocity) = 6664 km
- 16- 687 sec x 6.8 km/ sec (Uranus velocity) = 4672 km
- 17- 687 sec x 5.4 km/ sec (Neptune velocity) = 3710 km
- 18- 687 sec x 9.7 km/ sec (Pluto Velocity) = 3229 km
- 19- 687 sec x 0.3 mkm/ sec (Light Velocity) = 206 mkm
- 20- 687 sec x 1.16 mkm/ sec = 797 mkm
- 21- 687 sec x 1.46 mkm/ sec = 1003 mkm

#### II- Discussion

The previous data discussion is interesting

In days units – the value 687- is a perfect value – all planets move during this same value (687 days) defined distances.

For example – Mercury moves during this period (687 days) a distance = Mercury Uranus Distance – still – the geometrical reason – why Mercury moves this distance in this period still need more analysis to discover – but we know that there's a geometrical reason behind it

We have met a similar value before – let's remember it

- During (4222.6 hours = Mercury Day Period) Mercury moves a distance = 720.7 mkm = Mercury Jupiter Distance- and we asked frequently "why Mercury moves during its day period a distance = Mercury Jupiter Distance? And for long time we had no answer... but once we have found some interesting thing....
- In 4224 seconds – If there's a light beam its velocity = 1.16 mkm/sec – so this light beam will pass Jupiter orbital circumference (4900 km) during this period 4224 sec
- Based on that – we have concluded – that- (if this light beam 1.16 mkm/sec is found) so the light motion needs 4224 seconds and this period of time is transferred into (4224 hours) which was Mercury day period before Mars & Pluto Migration and after Mercury day period was decreased by 1.4 hours = 84 minutes = 5040 seconds (where 5040s x 1.16 mkm/sec = Mercury Pluto Distance and 84 minutes refer to Mars original point (84 mkm)) – this story we discussed deeply in Mercury Day Discussion

Why Mercury Day Period = 4222.6 Hours?

<https://vixra.org/abs/2002.0347>

Why Mercury Day Period = 4222.6 Hours? (II)

<https://vixra.org/abs/2002.0436>

- Here we deal with a similar case .... During Mars orbital period (687 days) Mercury moves a distance = 2814 mkm = Mercury Uranus Distance! Why?!
- The Data in Group No. 1 shows that all planets produced defined distances during (687 days = Mars orbital period) – and without to discuss the details – we may conclude that – The data shows there's a clear dependency between the planets – means – the planets different data is created depending on each other.... So this group of Data provides a clear meaning spite its geometrical mechanism still absent....

Let's move to the next group of Data

### Discussion

(Data Group No. 2)

- Three planets only uses the value 687 seconds ! which are
- Mars and produced 16557 km, Jupiter and produced 9000 km and **Saturn** which is produced **6664 km.....!**
- **Saturn** produces very interesting value= **6664 km** = (Mars Diameter – error 1.9%)  
(Please remember – Mars during 5040 second moves a distance = Saturn diameter – But Mercury during the same period moves a distance = 2 Saturn diameters (1%))
- Jupiter produced 9000 km = The Earth Lunar eclipse Umbra breadth

So

The previous days shows

(1<sup>st</sup>) The deep relationship between Saturn and Mars

(2<sup>nd</sup>) The deep relationship between Jupiter and The Earth Moon –

Both ideas we have discussed deeply in the previous paper (II) ... So

Let's use this same method to analyze Metonic Cycle Period in 2 units (6939.75 days and 6939.75 seconds)

### 3-2 More About Mars Orbital Period 687 Solar Days

Also the value 687 million km is found frequently in the solar system data – the idea is more deep than any pure coincidence.... What's happened is that - the period of time 687 days is used as a distance ...**Why?**

Because .....**The Planet Motion Depends On Light Motion**

That tells simply we deal with high velocity motion and because of that the time values can be used as distance values!

As the equation explain that.....  $X = CT$  ..... so if  $C=1$  So  $X= T$

(Where  $C=$  Light Known Velocity 0.3mkm/sec)

Let's see this data in following....

#### I-Data

(1)

2.082 mkm/ day (Mars Velocity daily) x 329.8 days = 687 million km

(2)

0.47 mkm/ day (Neptune Velocity daily) x 1461 days = 687 million km

(3)

3.08 mkm/ day (Venus Velocity daily) x 227.9 days = 687 million km

(4)

1.1318 mkm/ day (Jupiter Velocity daily) x 607 days = 687 million km

#### II-Discussion

##### Equation No. (1)

2.082 mkm/ day (Mars Velocity daily) x 329.8 days = 687 million km

What's this period 329.8 days? The Earth Moon Sidereal Year =327.6 days

So

This period 329.8 days is a Moon Sidereal Year **BUT** This Year doesn't end with the sidereal month 27.3 days as other but ended with the synodic Month 29.53 days

Now

Equation No. 1 tells that

Mars during (the Earth moon sidereal year) moves a distance =687 million km

Where this value (687 mkm) will be seen by us as (687 solar days)

##### **WHY**

Because

##### **The planet motion depends on light motion –**

We can't just repeat thousands times "Pure Coincidences" for thousands of data which is directed clearly and show a deep geometrical structure – no pure coincidences here because we don't find many planets data but we found data related to The Earth Moon and Mars....the Data is just directed clearly and strongly... if we don't yet discovered the geometrical mechanism this data is created – that because many geometrical rules



are new for our Geometry Books and we need to analyze the planets data to discover these rules before to conclude the geometrical mechanism....

**Note Please**

Many other distances we have seen used as periods of time specially 1433.5 mkm

Let's provide some examples in following...

**Example (1)**

- Mercury moves during its rotation period (58.66 days) a distance = 243 million km

Also

- Mars moves during Venus day period (116.75 days) a distance = 243 million km

But

- Venus rotation period =243 solar days...

Again ....No pure coincidence here .... The planet motion includes inside it a light motion and the light motion uses the distance as time and the time as distance.... We have discovered that before .....

**Example (2)**

- Mars moves during The Nodal year (346.6 days) a distance = 720 mkm= Mercury Jupiter distance

But

- Mercury moves during its day period (4222.6 hours) a distance = 720 mkm= Mercury Jupiter distance

Also

- Mars moves during Earth orbital period (365.25 days) a distance = 760 mkm

But

- Light known Velocity (0.3 mk/s) passes during 760 seconds a distance =227.9mk (Mars Orbital Distance)

The value 760 mkm or 760 seconds has very great significance because (only) by it Mars orbital distance (227.9 mkm) is defined – based on the light motion behind the planet motion – the light motion network we'll review after the(3<sup>rd</sup>) example

**Example (3)**

Light known velocity (0.3 mkm/sec) during a solar day 86400 second travels a distance =**25920 km** –

Also all solar plants move per day an actual distance =17.75 mkm

So, Based on this rate (17.75 mkm/day) all planets move during 1461 days a distance =**25920 km**

**But**

We see the value 25920 as a period of time (25920 Years = The Precession Cycle

**Equation No. (2)**

**0.47 mkm/ day (Neptune Velocity daily) x 1461 days = 687 million km**

This equation tells something important... why? Because of 2 reasons

(1<sup>st</sup>) Neptune Is The Source Of The Inner Planets Energies – Please review  
Jupiter And Venus Motions Interaction <https://vixra.org/abs/2003.0357>

(2<sup>nd</sup>) The Value 1461 days is Earth Cycle (365+365+365+366 days) but this Cycle is  
used by the whole solar system – as we have seen in the previous equation – 25920  
mkm = 17.75 mkm x 1461

That tells us - the value 687 mkm which we see as 687 days (Mars orbital period)  
isn't a common value but a very Significant Value Geometrically.

### **Light Motion Network**

#### **More Data (1)**

1. Mercury is created by a period of time =50 seconds
2. Light beam with velocity =1.16 mkm/sec travels for 50 seconds and perform a  
distance =**58 mkm = Mercury Orbital Distance**
3. Mercury orbital circumference (58 x 2π =360 mkm)  
- 360 mkm because of high velocity motion – is used as 360 seconds
4. Light beam with velocity (0.3 mkm/sec) during 360 seconds travels a distance =  
=**108 mkm = Venus Orbital Distance**
5. 216.4 mkm (Venus orbital diameter) is a distance passed by light beam its velocity  
0.3mkm/sec during a period =720 seconds
6. 720 seconds (because of high velocity motion) is used as a distance =720 mkm =  
Mercury Jupiter distance –
7. Mercury Jupiter diameter (720 mkm x 2) needs a period = 720 seconds x 2 which  
needs a distance = 216.4 x 2 mkm
8. (the distance 216.4 mkm x 2) will be used as a time period in the following  
equation 216.4x 2 x 1.16 = 500 mkm
9. 500 mkm is used as a time period = 500 seconds
10. Light (0.3 mkm/sec) needs 500 seconds to pass **Earth orbital distance (149.6 mkm)**  
**655 mkm (Jupiter Saturn distance) (655 mkm will be used as 655 sec) x 1.16**  
**mkm/sec = 760 mkm (will be used as 760 seconds)- Light beam (0.3mkm/sec)**  
**travels during 760 seconds a distance = 227.9 mkm = Mars orbital distance**

This network of light motions show – the light motion behind the planet motion – this  
is a piece of the whole network – and we need to take a look on the whole chain to see  
how the motions are done behind – where the planets (same) data is used by light  
motions in different ways and then what we consider as time period it works as a  
distance for the light motion and what we consider as matter works as light beam in  
another frame .... We can't add any more here – we have to limit our discussion to  
this point and then to return to it with extending discussion in Point No. (6) of this  
paper (**6- The Planets Motions Depend On Light Motions**)

Just to support the data without Discussion I have to add only one more table  
In following....

**More Data (2)**

1433.5 mkm = Mars orbital circumference = Saturn Orbital Distance  
(the distance equality is discussed in part I of this series)

The value 1433.5 mkm is used as 1433.5 days by the solar planets and they produced defined distances....

<b>Table No.1</b>	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*2π	1%

All solar planets real velocities performed real distances in the solar group except Uranus!

**The Idea Summary**

The solar planets are not separated points from each other they are heads of the same sea or members of the same body – and because of that each planet data is created relative and complementary to other planets data – that explains the provided data in this paper-

Now

The sea is not a sea of water – it's a sea of light motions and based on these light motions the planets (matters) and distances are created and their motions be seen by us depending on the light motions behind

That's the most near interpretation trying to explain how this data is created

An extending discussion is inserted in (**6- The Planets Motions Depend On Light Motions**) of this paper... please review it...

### 3-3 Metonic Cycle Period Analysis (6939.75 solar days)

#### I- Data

##### Group No. (1) (6939.75 solar days)

- 1- 6939.75 d x 4.095 mkm/ day (Mercury Vel.) = Neptune Orbital Circumference
- 2- 6939.75 d x 2.58 mkm/ day (Earth Velocity) = Uranus Orbital Circumference
- 3- 6939.75 d x 2.41 mkm/ day (Moon Velocity) = Uranus Mars Circumference
- 4- 6939.75 d x 0.838 mkm/ day (Saturn Velocity) = Mercury Pluto Distance
- 5- 6939.75 d x 0.409 mkm/ day (Pluto Velocity) = Mercury Uranus Distance

##### Group No. (2) (6939.75 seconds)

- 6- 6939.75 sec x 24.1 km/sec (Mars Velocity) = 167247 km
- 7- 6939.75 sec x 0.3mkm/sec (light known velocity) = 2090 mkm (Jupiter Uranus)

#### II- Discussion

Only Mars uses the value 6939.75 seconds and produce the distance 167247 km  
And what's this value **167247 km** ??

#### Equation No. (6)

$$6939.75 \text{ sec} \times 24.1 \text{ km/sec (Mars Velocity)} = 167247 \text{ km}$$

$$167247 \text{ km} = 1.9 \times 88000 \text{ km (Earth Moon Displacement Daily)}$$

$$167247 \text{ km} = 6792 \text{ km (Mars Diameter)} \times 24.6 \text{ (24.6 h = Mars rotation period)}$$

What does Equation No. 6 tell us?

Mars during 6939.75 sec move a distance = 88000 km (Moon Displacement) x 1.9

But

1.9 degrees = Mars orbital inclination

And we have found many data rated by thus rate 1.9

The Equation tells that Mars deeply effected by the Value 6939.75 seconds –

Why this is interesting?

Because

A light beam with known velocity (0.3 mkm/sec) during 6939.75 seconds travels a distance =2090 mkm = Jupiter Uranus Distance

2090 mkm (Jupiter Uranus Distance) /227.9 mkm (Mars Orbital Distance) = **2.92π**

The rate **2.92** we will see later in form **29.2** showing the deep interaction between Earth, Earth Moon and Mars (please review point 4-3)

But now let's try to see as deep as possible

## The Main Discussion

$$2090 \text{ mkm} = 1433.5 \text{ mkm} \times 1.461 \quad (\text{A})$$

i.e.

$$2090 \text{ mkm} = 2.082 \text{ mkm} / \text{days (Mars velocity)} \times 1000 \text{ days}$$

And then

$$2090 \text{ mkm} \times 1000 = 1433.5 \text{ mkm} \times 1461 \text{ days} \quad (\text{B})$$

i.e.

$$2090 \text{ mkm} \times 1000 = 2.082 \text{ mkm} / \text{days (Mars velocity)} \times 10^6 \text{ days}$$

### Equation No. (B)

$$2090 \text{ mkm} \times 1000 = 1433.5 \text{ mkm} \times 1461 \text{ days} \quad (\text{B})$$

### *How does understand this equation?*

(1)

What's 1433.5 mkm?

$$1433.5 \text{ mkm} = \text{Mars orbital circumference} = \text{Saturn orbital distance}$$

And we know that

The solar system moves per solar day 1433.5 mkm because

The planets total velocities per second = 206 km/sec

$$(511.1 \text{ degrees (all planets axial tilts total)} / 2\pi) \times 206 \text{ km/sec} = 16750 \text{ km/sec}$$

Based on that – the solar system moves a distance = 1433.5 mkm per solar day

Also

We know that – the number 206 km /sec is related to Mars data basically and we reach to this conclusion

because

687 seconds  $\times$  0.3 mkm /sec (light known velocity) = 206 mkm and we dealt with this number geometrically to produce the original one 206 km/sec – please review

The Moon Creation And Motion (II) <https://vixra.org/abs/2004.0641>

(2)

What 1461 days?

The Earth Cycle (365+365+365+366 days = 1461 days) – and this Cycle is used for the solar planets motions total as we have seen before

$$17.75 \text{ mkm (planets motions total per solar day)} \times 1461 \text{ days} = 25920 \text{ mkm}$$

(25920 mkm is the distance passed by light 0.3mkm/sec during 1 solar day)

So the value 1461 days is related to the solar planets motions total

**Equation No. (B)** tells that – where the distance 25920 mkm is the actual total of passed distance by all planets motions during 1461 days without the planets axial tilt effect....

Where the planets axial tilts total 511.1 specially the rate (511.1/2 $\pi$ ) works as a lever and by this lever the planets velocity in second = 206 km /sec can be 16750 km/sec

Based on that

Where

- The planets motions distance total (actually) = 17.75 mkm per solar day

Will be

- The planets motions distance total (actually) = 1433.5 mkm per solar day

As the distance 25920 mkm is the total (actual) distance in 1461 days

Also

the distance 2090 x 1000 mkm is the total distance in 1461 days (after using the lever)

**Good - What a big deal hear?**

As....

- **The distance 25920 mkm refers to a complete Cycle Distance and we see this distance as a time period (25920 years = The precession Cycle**

Also

- **The distance 2090 mkm x 1000 refers to a complete Cycle Distance.**

**Wonderful – What's behind?**

**Because**

- **Mars moves this distance during a period =  $10^6$  Solar Days**

**And why this useful at all?**

**Because**

**(1<sup>st</sup>) The Cycle 2737 Years Is Consisted Of  $10^6$  Solar Days**

**And that tells us**

**(2<sup>nd</sup>) The Cycle 2737 Years Is A Real Cycle**

**(3<sup>rd</sup>) Mars Is The Main Planet In The Solar System**

**And**

**If the Cycle 2737 years is related to the sun creation**

**(4<sup>th</sup>) That proves the claim that "Mars had migrated from its original orbital distance 84 mkm to its current orbital distance 227.9 mkm because of the sun creation.**

For more details please review

Is the 2737 Phenomenon a real one? (III)

<https://vixra.org/abs/2004.0316>

Is the 2737 Phenomenon a real one? (II)

<https://vixra.org/abs/1908.0583>

#### 4- The Solar System Time Definition (The Solar System own Clock)

4-1 Mars & Neptune Velocities Per Solar Day

4-2 The Main Idea

#### 4-1 Mars & Neptune Velocities Per Solar Day

We know this relationship let's see the data once again here

##### I-Data

(1)

Mars velocity per solar day =  $(1/(\text{Neptune Velocity per solar day}))$

(2)

Earth Moon velocity per solar day =  $(1/(\text{Pluto Velocity per solar day}))$

Also

(3)

687 mkm = Neptune Velocity per solar day x 1461 solar days

##### II-Discussion

We have seen this data before – The question –

This data is defined per solar day but NOT work without!!

i.e.

Mars velocity per second **DOESN'T** =  $(1/(\text{Neptune Velocity per second}))$

How to understand that ??

##### Equation No. (1)

Mars velocity per solar day =  $(1/(\text{Neptune Velocity per solar day}))$

This equation shows that the Solar day is

**The Standard Value of time for the solar system! Means – the solar day is value can't be divided geometrically ....! Why?**

Because

**1 Day Of Solar Planet Motion Depends On 1 Second Of Light Motion And The Second Is The Solar System Geometrical Unit...**

How to prove that?

The sun rays are produced by the  $C^2$

$C^2$  can be equal =90000 million km if  $T= 1$  second

And based on that

$90000 = \pi^3 \times 2872.5$  mkm (Uranus Orbital Distance) – this equation we have discussed frequently before – please review

The Sun Creation Reason And Effect <https://vixra.org/abs/2004.0372>

The Sun Creation Reason And Effect (II) <https://vixra.org/abs/2004.0534>

## 4-2 The Main Idea

### I- Data

#### Group (A)

#### Equation No (I)

$$2.58 \text{ mkm (Earth Daily Motion)} = 88000 \text{ km (Moon daily displacement)} \times 29.2$$

#### Old Equations No (a)

$$10921 \text{ km (the Moon Circumference)} \times 27.3 \text{ days (sidereal day)} = 0.3 \text{ million km}$$

#### Equation No (b)

$$10921 \text{ km (the Moon Circumference)} \times 86400 \text{ seconds (a solar day)} = 940 \text{ mkm}$$

#### Group (B)

Earth Moves during a lunar synodic Month ( $29.53 \times 0.985 = 29.2 \text{ degrees}$ )

The moon moves during a lunar synodic Month ( $29.53 \times 13.18 = 389.2 = 360 + 29.2 \text{ degrees}$ )

### II- Discussion

We have seen this data before – The value **29.2 degrees** explains why Earth and Moon moves together and don't separate from each other

Means – their motions unit is **29.2 degrees** and by the unified unit between both their motions are unified also in one motion ....

Of course almost happened for all planets and their moons but the data shows that we deal with an unified general motion.

Now

What Equation No. (I) tell us??

#### Equation No (I)

$$2.58 \text{ mkm (Earth Daily Motion)} = 88000 \text{ km (Moon daily displacement)} \times 29.2$$

2.58 mkm = Earth motion distance for one solar day

88000 mkm = The moon motion displacement for one solar day

But

29.2 is a value used with a synodic Month .... How to understand that...?

#### The Main Idea

The solar system is consisted of a group of motions – each motion has its own rate to time – Each Cycle has a different rate of time from the other cycle - for example – one day on the sun = **A Sidereal Year On Earth – this we have learnt from (Eq. b)**

#### Equation No (b)

$$10921 \text{ km (the Moon Circumference)} \times 86400 \text{ seconds (a solar day)} = 940 \text{ mkm}$$

We know this equation... what does it tells us??



If earth revolves around the sun a complete revolution in one solar day only – in this case – the moon circumference will be = Earth Motion Distance for a period 1 second.

So the moon circumference gives some reference for another rate to time is used in the solar system....

How can another rate of time be used in the solar system ...? Because

### **1 Day Of Planet Motion Depends On Light Motion For 1 Second**

If the light motion is found behind the planets motions that enable easily to use different rates of time in the solar system...

#### **So Does How The Solar System work?**

- The light is the distance creator and the planet follow the planet in the same distance but with different rate of time ...
- So we should notice that – the distance is one but the time has different rates

#### **For example**

- The distance is 25920 mkm – passed by light (Known velocity 0.3mkm/sec) in 1 solar day (86400 seconds) but passed by all planets in (1461 days)
- The distance is 5848 mkm (Mercury Pluto Distance) – passed by light (supposed velocity 1.16 mkm/sec) in 5040 seconds but passed by Mercury Motion in 1433.5 days
- The same one distance but different rates of time –

Why the solar system uses the rule – if it's real one?

Because

By this method the solar system can cause the energy accumulation – so the energy by which earth moves during 1 sidereal year (365.25 days) can be used by the sun in 1 solar day only (86400 seconds)

And by that –

The planets motions energies total (mechanical waves) can be accumulated to produce the sun rays (light waves) and by that the sun rays is produced based on the planets motions energies total...

Please review (Point no **6- The Planets Motions Depend On Light Motions**) of this paper- it has an extending discussion....

## 5-Mars Migration Theory Proves

(1<sup>st</sup> proof) The Giant –Impact Hypothesis (The Geological Proves)

(2<sup>nd</sup> proof) The Planets Order Analysis

(3<sup>rd</sup> proof) Mars migration Results

- a- The Earth Moon Creation
- b- Mars Moons Creation
- c- Mars Diameter (and Mass) decreasing
- d- The Asteroid Belt Creation

(4<sup>th</sup> proof) Planet Effect On Its Neighbor

(5<sup>th</sup> proof) Mar migration Motion Direction

(6<sup>th</sup> Point) The Changes Happened After The Sun Creation

### (1<sup>st</sup> proof) The Giant –Impact Hypothesis (The Geological proves)

As the paper abstract shows how Mars theory is in consistency with The Giant-Impact hypothesis – also Mars migration theory answers many basic questions face the giant –impact hypothesis –as we have discussed–

#### Why Venus has no moon?

because Mars Motion was from the point (84 mkm) to (227.9 mkm)– so the direction of Motion is defined - and Mars Motion pushed all debris to move with Mars that made a wave pushed all debris far from Venus – So Venus Couldn't create a moon for it. then these debris lost their high motions momentum when reach to Earth position and because Earth mass is greater than Venus – Earth could attracted some debris and created from them its moon –

Mars Moons supports this description because Mars with small mass could attracted 2 moons – How?

Because the debris high momentum is lost already, and its motion became so weak even Mars could attracted its moons –

Also the rest debris was attracted by Jupiter and created The Asteroid Belt.

Please review The Giant –Impact Hypothesis -

The Lunar Magma Ocean (LMO) Origin– is Venus –

This solution is so important, it solves a serious difficulty – as explained before  
Now the question is why Mars had migrated when the sun is created? we have to discuss that later...

#### Why Mars original orbital distance was 84 mkm?

Because the planet orbital distance depends on its diameter and mass – but the order is disturbed by Mars migration and we don't see it now – the planets order analysis we should discuss in the following point...

## **(2<sup>nd</sup> proof) The Planets Order Analysis**

Mars migration theory is born basically based on the planets order analysis

*(Mercury – Venus – Earth)*

This order of planets shows an order in planets diameters, masses and orbital distance – the order rule is

### **A Greater Diameter Or Mass Needs A Greater Orbital Distance**

If this order controls all planets so Mars should be the second planet after Mercury –  
But –

*(Jupiter – Saturn – Uranus – Neptune – Pluto)*

the outer planets order shows that the rule depends on planet diameter (and not mass because Uranus Diameter is greater than Neptune but less Mass) and the rule is reversed from the previous one

i.e.

### **A Greater Diameter Needs A Shorter Orbital Distance –**

This analysis refers to that Mars may be found in a wrong position in the planets order and this wrong position causes a disturbance for the planets order – based on this analysis Mars migration theory can be concluded ... to get **the correct answer** we need to know if **There's A Real Relationship Between Planet Diameter And Orbital Distance.** –

**(3<sup>rd</sup> proof) Mars migration Results**

- a- The Earth Moon Creation
- b- Mars Moons Creation
- c- The Asteroid Belt Creation
- d- Mars diameter Decreasing (4.1%)
- e- Mars Mass Decreasing (4.1%)

Simply we have a reason to answer Why Venus has no moon but Mars (mass =1/13) has 2 moons?!

The fact shows itself clearly – there were no debris around Venus to create a moon! But Mars had!? Why? because of the Motion Direction

Mars had moved from the Point (84 mkm) to the point (227.9 mkm) from the sun and pushed all debris with it in the same motion direction – so no debris left around Venus – because all debris had moved with Mars in its Motion Direction

Now if we practice such event – what expectation we may conclude?

Mars Diameter (and Mass) must be decreased

i.e.

Mars Diameter (and Mass) must be decreased than their values when Mars was in its original orbital distance (84 mkm)

**Can this conclusion be proved?**

The gravitation Equation works only with Saturn and Jupiter Masses – where

$$\frac{(\text{Saturn orbital distance})^2}{(\text{Jupiter orbital distance})^2} = \frac{\text{Jupiter Mass}}{\text{Satrun Mass}} = 3.4$$

**If Mars Mass is increased by 4.1% the gravitation equation can work**

$$\frac{(\text{Mercury orbital distance } 57.9 \text{ mkm})^2}{(\text{Mars original orbital distance } 84 \text{ mkm})^2} = \frac{\text{Mars Mass } 0.668}{\text{Mercury Mass } 0.33}$$

(Equation Error 3.4%)

**Question (1)**

**Why don't all planets follow the gravitation equation?!**

Because of Mars migration which caused disturbance for the planets order

**Question (2)**

Is there any proof that Mars Diameter is decreased by the same rate (4.1%) **Yes**

Mercury orbital distance 57.9 mkm = Mercury Diameter 4879 km x 10<sup>9</sup>

Earth orbital distance 149.6 mkm = Earth Diameter 12756 km x 10<sup>9</sup>

Satrun orbital distance 1433.5 mkm = Satrun Diameter 120536 km x 10<sup>9</sup>

Mars (org) orbital distance 84 mkm = Mars (org) Diameter 7070km x 10<sup>9</sup>

**(Mars Diameter 7070 km is increased than the Mars registered diameter 6792 km with 4.1%)**

#### (4<sup>th</sup> proof) Planet Effect On Its Neighbor

Let's summarize the idea in following...

- I claim each planet effect on its neighbor planet data and motion
- I provide data shows such effect (for example Earth effects on Mars Motion)

So

- If we have found data claiming that – Mars Motion is effected by Mercury Data – so this data may refer to that – Mars was a neighbor of Mercury

#### I- Data

(1)

$$687 \text{ days (Mars orbital period)} = 365.25 \text{ days (Earth orbital period)} \quad \times 1.9$$

$$687 \text{ days (Mars orbital period)} = 27.3 \text{ days (The moon orbital period)} \quad \times 25.2$$

But 25.2 degrees = Mars axial tilt and 1.9 degrees = Mars orbital inclination

$$\text{Also } 25.2 \text{ deg (Mars axial tilt and)} = (1.9 \text{ deg. Mars orbital inclination}) \times 13.18 \text{ deg.}$$

Where

The moon motion degrees daily = 13.18 degrees

We should not limit our discussion for just Data consistency – let's see its depth

Because

Mars moves per solar day = 0.524 degrees (=360 degrees /687 days)

The value 0.524 degrees = (1/1.9) where 1.9 degrees = Mars orbital inclination

i.e.

Mars Data (25.2, 1.9, 0.524 ...etc) depends on the solar day period of time

(2)

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

#### II-Discussion

The previous data shows that Earth and moon on one side and Jupiter on the other side all of them effect on Mars orbital period (i.e. effect on Mars Motion)

#### More Data

Equation No. (1)

$$\left(\frac{\text{Mercury Diameter}}{\text{Mars Diameter}}\right)^2 = \frac{\text{Mars Mass}}{\text{Mercury Mass}} = 0.524$$

Equation No. (2)

$$\frac{\text{Mars Orbital Period 687 days}}{\text{Mercury Day 175.94 days}} = \frac{\text{Mars Orbital Distance 227.9 mkm}}{\text{Mercury Orbital Distance 57.9 mkm}} = 3.93$$

Equation No. (3)

$$\frac{\text{Mars Day 24.7 hours}}{\text{Earth Day 24 hours}} = \frac{\text{Earth Orbital Period 365.25 days}}{\text{Moon Synodic Year 354.36 days}} = 1.029$$

Equation No. (5)

$$7 \text{ deg. (Mercury Orbital Inclination)} = 1.9 \text{ deg. (Mars Orbital Inclination)} + 5.1 \text{ deg. (Earth Moon Orbital Inclination)}$$

**(5<sup>th</sup> proof) Mar migration Motion Direction**

Let's summarize the idea in following

- The solar system has one defined motion which is the planets revolution around the sun
- Mars Motion from (84 mkm) to (227.9 mkm) is a new direction of Motion is unknown in the solar system
- In this point I refer to another motion started from Jupiter to Pluto – and this motion is in the same direction of Mars migration Motion which makes Mars migration Motion is a defined motion in the solar system and not a unique one

Please review Jupiter Data Analysis in my previous paper

Please review

The Sun Creation Reason And Effect (II)

<https://vixra.org/abs/2004.0534>

The Earth is Older Than The Sun

<https://vixra.org/abs/2004.0553>

The Solar Planets Order Still Shows More Puzzles

<https://vixra.org/abs/2004.0086>

## **(6<sup>th</sup> Point) The Changes Happened After The Sun Creation**

Let's provide a list concerning the changes happened after the sun creation.

### **Before The Sun Creation**

The Solar Planets Order Was As Following

- Mercury (where Pluto was The Mercury Moon) – then Mars –then Venus – Then Earth- The Uranus – Then Neptune – Then Jupiter –

### **The Solar System Before Sun Creation**

- Mercury Axial Tilt was 1 degree
- Mercury Day Period was 176 Solar Days
- Venus Axial Tilt was 1.774 degrees ( $= \pi^{1/2}$  degrees)
- Mars Orbital Distance was 84 mkm
- Pluto was The Mercury Moon
- **Saturn Was Created After The Sun Creation**

### **The Solar System After The Sun Creation**

- Mercury Axial Tilt becomes 0.01 degree
- Venus Axial Tilt received The lost value (from 1 to 0.01) – to save the inner planets energy – So Venus axial tilt changed from 1.774 deg to 177.4 deg
- Pluto had to move far from Mercury – with a distance = 57.9 mkm (Mercury orbital distance) for each point (from 1 degrees to 0.01 degrees) –that forced Pluto to move far from Mercury with a distance  $= (100 \times 57.9 \text{ mkm}) = 5906 \text{ mkm}$  Pluto orbital distance
- **Mars had migrated from (84 mkm) to (227.9 mkm)**
- As a result of Mars Migration the Earth Moon was created.
- Mercury Day was decreased by 84 minutes =5040 seconds
- The inner Planets changes are recorded with Uranus Data
- Uranus hold the solar system to prevent its destruction-
- Uranus depended on Earth basically and Venus to save the solar system.
- Uranus caused Saturn to be created to help the solar system rescue.
- Saturn & Jupiter unified their power to save the solar system.
- Uranus & Earth Connection is the first basic connection to save the solar system and the next one is the relationship between Venus and Saturn.
- The Cycle 2737 years is a real cycle found to record the events.
- The planets data analysis shows that Uranus effects vertically on the solar system – and Uranus by this effect prevent any overturn motion can be done by any planet and by that Uranus help to unify the planets general motion around the sun.
- Uranus Data Analysis shows that – there's a perpendicularity in the solar system motion – based on that we conclude – "The is on vertical line relative to Uranus – means – There's 180 degrees between the sun and Uranus on the vertical level.

## 6- The Planets Motions Depend On Light Motions

6-1 Jupiter & Inner Planets Distances Analysis

6-2 Jupiter & Pluto Distance Analysis

6-3 Jupiter & Neptune Distance Analysis

6-4 Earth 4 years Cycle (1461 days)

### 6-1 Jupiter & Inner Planets Distances Analysis

#### I-Data

1. Mercury is created by a period of time =50 seconds
2. Light beam with velocity =1.16 mkm/sec travels for 50 seconds and perform a distance =58 mkm = Mercury Orbital Distance
3. Mercury orbital circumference ( $58 \times 2\pi = 360$  mkm)
  - 360 mkm because of high velocity motion – is used as 360 seconds
4. Light beam with velocity (0.3 mkm/sec) during 360 seconds travels a distance =  
**=108 mkm = Venus Orbital Distance**
5. 216.4 mkm (Venus orbital diameter) is a distance passed by light beam its velocity 0.3mkm/sec during a period =720 seconds
6. 720 seconds (because of high velocity motion) is used as a distance =720 mkm = Mercury Jupiter distance –
7. Mercury Jupiter diameter (720 mkm x 2) needs a period = 720 seconds x 2 which needs a distance = 216.4 x 2 mkm
8. (the distance 216.4 mkm x 2) will be used as a time period in the following equation  $216.4 \times 2 \times 1.16 = 500$  mkm
9. 500 mkm is used as a time period = 500 seconds
10. Light beam (0.3 mkm/sec) needs 500 seconds to pass Earth orbital distance (149.6 mkm)
11. Still the distance 720 mkm is produced by a light beam (1.16 mkm/sec) during a period = 627 seconds
12. Light its velocity (0.3mkm/sec) needs 2090 seconds to pass 627 mkm where 2090 seconds is used as distance 2090 mkm = Jupiter Uranus Distance
13. But  $6939.75 \text{ seconds} \times 0.3 \text{ mkm/sec} = 2090 \text{ mkm}$  – means light with c velocity travels during (6939.75 seconds) a distance = Jupiter Uranus Distance (6939.75 days =Metonic Cycle).
14. **108 mkm = Venus Orbital Distance** – So Venus Orbital Circumference =680 mkm but Venus Jupiter distance = **670.4** mkm (Venus & Jupiter positions are defined before by their distances to Mercury and Earth – that means – the distance 670.4 mkm we didn't bring it from the planets data sheet but we define it relative



to Earth & Mercury positions to Jupiter - i.e. 670.4 mkm is not a new data but a concluded data)

15. light beam with velocity 1.16 mkm passes during 670.4 seconds a distance =778.6 mkm (Jupiter orbital distance)
16. Also  $670.4 \text{ mkm} \times 2\pi = \mathbf{4224 \text{ mkm}}$  (high velocity motion uses this value as time)
17. Light beam with velocity 1.16 mkm travels during **4224** seconds a distance =**4900** mkm = Jupiter orbital distance
18. Note Please (Mercury Day =4224 hours approximately- means the light motion period is transferred to Mercury motion but the rate of time is changed from 1 second to 1 hour- that's similar to Metonic Cycle 6939.75 days which we have seen before where the 6939.75 seconds in transferred into the moon motion in form 6939.75 days)
19. Light beam with velocity 1.16 mkm travels during **4900** seconds a distance =**5678.1** mkm = Mars Pluto Distance (6585.39 mkm=  $1.16 \times 5678.1 \text{ mkm}$ ) (where 6585.39 days = Saros Cycle)
20.  $670.4 \text{ mkm}$  (Venus Jupiter Distance) =  $1.0725 \times 627 \text{ mkm}$  (Earth Jupiter distance)
21. Earth orbital circumference =940 mkm – which is used as 940 seconds
22. A Light beam (0.3mkm/sec) during 940 seconds passes a distance 282 mkm
23. A light beam (1.16 mkm/sec) during 282 seconds passes 327.6 mkm (which we see as lunar sidereal year 327.6 days)
24. Light beam (0.3 mkm) during 327.6 seconds pass distance =98.7 mkm (Uranus axial tilt =97.8 degrees)
25. Light beam (1.16 mkm) during 97.8 seconds pass distance =113.45 mkm (where  $1 \text{ mkm} = 1 \text{ deg}$  means  $113.45 \text{ mkm} = 113.45 \text{ deg} = 90 + 23.45 \text{ deg}$ . Earth axial tilt)
26.  $149.6 \text{ mkm} \times 2$  (Earth orbital diameter) is used as time value – so light with velocity (1.16 mkm/sec) during this period  $149.6 \text{ sec} \times 2$  a distance =346.6mkm where 346.6 days – the nodal year.
27. 3717 mkm (Jupiter Neptune Distance) us used as time so –light with velocity 0.3mkm/sec travels during 3717 seconds a distance = Jupiter Mars distance (1.2%)
28. 5127 mkm (Pluto Jupiter distance) is used as 5127 seconds where a light with velocity 1.16 mkm/sec travels during 5127 s a distance = Pluto orbital distance.

But why Mars is exceptional always?!

**29.  $655 \text{ mkm}$  (Jupiter Saturn distance) (655 mkm will be used as 655 sec)  $\times 1.16 \text{ mkm/sec} = 760 \text{ mkm}$  (will be used as 760 seconds)**

**- Light beam (0.3mkm/sec) travels during 760 seconds a distance = 227.9 mkm = Mars orbital distance**

## II-Discussion

I wish the previous data tells the idea as clear as possible –

Simply the distances are created depending on each other – we see that clearly –

I conclude that

We deal with light motions – because – in light motions the reflected light beam energy equal the original light beam energy –

And

**If DISTANCE = ENERGY**

That will explain why the distances are equal –

We deal simply with light motions

The data is strong and support the claim clearly

But let's provide more support for this data direction

## Jupiter & The Inner Planets Relationships

### More Data

- Mercury Jupiter Distance = 2 x Mercury Orbital Circumferences
- Venus Jupiter Distance = Venus Orbital Circumferences (Error 1%)
- Earth Jupiter Distance = Earth Orbital Circumferences (Error 1%)

(Note please Earth and Jupiter be on different sides from the sun – in this case the distance between Jupiter and Earth will be =778.6 mkm+149.6 mkm = 930 mkm)

### Comment

The previous data shows clearly that Jupiter effects on the inner planets orbital circumferences – and because of that

- Mercury moves during its day period a distance = Mercury Jupiter Distance
- Venus moves during its orbital period a distance = Venus Jupiter Distance
- Earth moves during its orbital period a distance = Earth Jupiter Distance

If we look at the equations from no. (1) to no (16) we will see that there's a direct light beam between Jupiter and the 3 inner planets –

But

Equation No. 29

This equation shows that Mars orbital distance depend on the distance between Jupiter and Saturn and for that reason Mars orbital distance behave differently from the other inner planets –

That may give a reason for the following equation:

**4900 mkm** (Jupiter Orbital Circumference) = **3413 mkm** (**The 4 inner** planets orbital circumferences total +**1433.5 mkm** (Mars Orbital Circumference) (error 1%)

Because Mars light motion depends on (Jupiter Saturn distance) but the other three planets light motions depend on (Jupiter distance to these 3 planets) for that Mars behaves differently and its orbital circumferences is used 2 times -

### **-More Discussion**

I wish we see the data patiently – We have a clear direction for this data - it tells us the solar system is created by light motions  
It's as clear as the sun herself...

To understand much better – we need to ask – **How the distance is created?**  
**Or How the Space is created?**

This question can enlighten our way – the naïve answer that  
Space = Nothingness which is not created! Is a very bad answer

And based on what we reach to this naïve answer? Because the space is seen as darkness – But what's the darkness?

In The Double Slit Experiment (Young Experiment) – The Light Coherence Produces Bright Fringes And Dark Fringes – so suppose the dark fringe has a great width and we live in it – so the dark fringe will be seen by us as space – but it created by light coherence....

One more important notice –

We try to explain the data – now the distances are created based on the previous data –so the data gives us a direction based on which we can discover how the distance is created, **Should we remove this data and still claim that the space creation is a secret and no one can reach?**

The data tells us how the distance is created, and we remove the data for any reason and still claim that we have no source for distance definition?

**Still again, how the distance (space) is created?** No one knows!!

But

We see the sun disc = the moon disc, (based on that the total solar eclipse is occurred)  
(the sun diameter / the moon diameter) =(Earth orbital distance /Earth moon distance)  
The previous equation is the reason why we see the sun disc = the moon disc  
**how the distance (space) is created?** The space is created relative to the matter – the previous equation tells that – and if the matter created of energy ( $E=mc^2$ ) – so the space is created of energy also – and that supports this paper basic argument.

### **The argument basic question**

How the space is created?

### **The argument basic conclusion**

**The Space Is Created Based On Light Motion Energy**

## 6-2 Jupiter & Pluto Distance Analysis

### I - Data

(A)

**4345 mkm** = the distance between Earth and Neptune

This value will be used as 4345 seconds because we deal with light motions

$$4345 \text{ seconds} \times 1.16 \text{ mkm/sec} = 5040 \text{ mkm}$$

$$5040 \text{ seconds} \times 1.16 \text{ mkm/sec} = 5848 \text{ mkm (Mercury Pluto Distance)}$$

(B)

$$5040 \text{ seconds} \times 0.3 \text{ mkm/sec} = 1512 \text{ mkm}$$

$$1512 \text{ seconds} \times 0.3 \text{ mkm/sec} = 2 \times 227.9 \text{ mkm (Mars Orbital Distance)}$$

But

$$\mathbf{4345 \text{ mkm}} = 0.3 \text{ mkm/sec} \times 3782 \text{ seconds}$$

$$(3782 \text{ mkm} = \pi \times 1205 \text{ mkm} = \text{Mars Saturn Distance})$$

(C)

$$\mathbf{4224 \text{ seconds}} \times 1.16 \text{ mkm/sec} = 4900 \text{ mkm (Jupiter orbital circumference)}$$

(D)

$$\text{Mercury Day Period} = \mathbf{4222.6 \text{ hours}} = 176 \text{ solar days (Minus 5040 Seconds)}$$

(E)

$$5127 \text{ mkm} = \text{Jupiter Pluto Distance}$$

$$5127 \text{ seconds} \times 1.16 \text{ mkm/sec} = 5906 \text{ mkm (Pluto orbital distance)}$$

### II – Discussion

Jupiter & Pluto relationship is so deep we'll return to it in the next point (3-3)

But the previous equations support the same claim

We move by the same system – we have 2 light velocities (0.3 mkm/sec and 1.16 mkm/sec) and the time & distance values are equivalent

But how to explain these equations ....let's start with no. (C)

#### Equation No. (C)

$$\mathbf{4224 \text{ seconds}} \times 1.16 \text{ mkm/sec} = 4900 \text{ mkm (Jupiter orbital circumference)}$$

Light beam with velocity 1.16 mkm/sec travels for 4224 seconds will pass a distance = Jupiter orbital circumference-

Now because of Jupiter effect on Mercury the light motion period 4224 seconds is transported into Mercury motion by with the hours units (4224 hours = 176 days)

But

That's not true – Mercury Day = 4222.6 hours and not 4224 hours! Why?

Because of Pluto (and Mars) immigration effect on Mercury – let's remember it, There was a great earthquake in the solar system history,

**so before it:**

- Pluto was the Mercury moon
- Mars was the next planet after Mercury with orbital distance 84 mkm
- Mercury axial tilt was 1 degree

### After The Earthquake:

- Pluto was thrown to the end of the solar group (5906 mkm)
- Mars has changed its orbital distance from 84 mkm to be 227.9 mkm
- Mercury axial tilt becomes 0.01 degree

So what was the question?

**Why Mercury day isn't =176 solar days? But equal 4222.6 hours?**

**i.e. why mercury needs 5040 seconds to make its day period =176 days?**

Because Pluto and Mars immigration effect on it...

Is there any proof for that?

### Equation No. (A)

**4345 mkm =** The Distance Between Earth And Neptune

This value will be used as 4345 seconds because we deal with light motions

$$4345 \text{ seconds} \times 1.16 \text{ mkm/sec} = 5040 \text{ mkm}$$

$$5040 \text{ seconds} \times 1.16 \text{ mkm/sec} = 5848 \text{ mkm (Mercury Pluto Distance)}$$

So the value 5040 seconds is used produced already by the distance between Earth and Neptune (which is used as a time value)

And this same value 5040 seconds is used to define the distance between Mercury and Pluto...

The value 5040 seconds will be used again – let's see the following equation

### Equation No. (B)

$$5040 \text{ seconds} \times 0.3 \text{ mkm/sec} = 1512 \text{ mkm}$$

$$1512 \text{ seconds} \times 0.3 \text{ mkm/sec} = 2 \times 227.9 \text{ mkm (Mars Orbital Distance)}$$

But

$$\mathbf{4345 \text{ mkm}} = 0.3 \text{ mkm/sec} \times 3782 \text{ seconds}$$

$$(3782 \text{ mkm} = \pi \text{ } 1205 \text{ mkm} = \text{Mars Saturn Distance})$$

**Mars Orbital Distance** (227.9 mkm) is created based on the value 5040 seconds

So, Pluto & Mars orbital distances are created depending on the value 5040 seconds, that may support my claim that Mercury day period was 176 solar days and decreased by 5040 seconds because of Pluto and Mars immigration

### Please review

My Research Basic Arguments (V) <https://vixra.org/abs/2002.0278>

Pluto was "The Mercury Moon" <https://vixra.org/abs/1807.0331>

Mars Orbital Distance Is Changed Through History (Part II)

<https://vixra.org/abs/1910.0509>

## 6-3 Jupiter & Neptune Distance Analysis

### Jupiter Energy Summary

#### The Story

(1)

Jupiter sends the energy to Pluto – Jupiter energy is sent in a light beam form, where this light beam velocity = 1.16 mkm/sec – Jupiter continued sending its energy for 2 full solar days (2 x 86400 seconds)

(2)

This light beam passes during the period =  $1.16 \text{ mkm/s} \times 2 \times 86400 \text{ s} = 202584 \text{ mkm}$

So

During 2 solar days, light with velocity 1.16 mkm/s passes a distance =  $202584 \text{ mkm}$

(3)

This Energy reach to Pluto – but Pluto reflected this full energy again to Neptune – **That means** Pluto didn't use any of this energy but Pluto reflected it to Neptune completely

(4)

Neptune – in that time – had no an orbital circumference – for that reason – Neptune used part of the sending energy to build its orbital circumference (28255 mkm)

Specifically Neptune used 14% of the total energy to build its orbital circumference

(3)

After Neptune Orbital Circumference Building

The rest of energy = 86% (= 2x 86400 mkm) ,

this energy Neptune reflected to the inner planets –into 2 equal trajectories of Energy, Each Trajectory contains an energy =43% of the total =86400 mkm

(4)

Neptune reflected the first Trajectory of energy contains (86400 mkm) to Venus and Earth together (to be used by Venus & Earth)

(5)

Also Neptune reflected the second Trajectory of energy contains (86400 mkm) to Jupiter and then to Mercury (Jupiter doesn't use any of the energy – Jupiter directed the energy only toward Mercury to reach Mercury = 86400 mkm completely)

(6)

How we know this story and the values?! Because **Distance = Energy**

(7)

So all distances I have referred are real distances – and that means – these real distances are created based on the previous story which force us to conclude that a light velocity 1.16 mkm/sec must be found in the solar system

(8)

Simply –

The distances values analysis force us to accept that a velocity of 1.16 mkm/sec must be found behind these distances creation –let's analyze and discuss that deeply as possible in following:

## Jupiter Energy Analysis

(Equation No. a)

(Pluto Orbital Circumference-Jupiter Orbital Circumference)  $\times 2\pi = 202584 \text{ mkm}$

1.16 mkm/sec  $\times 2 \times$  86400 seconds = 202584 mkm

(Equation No. b)

202584 mkm =

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

(Equation No. c)

(Neptune orbital Circumference –Earth orbital Circumference)  $\times \pi = 86400 \text{ mkm}$   
(Error less 1%)

## Discussion

Equation No. a

(Pluto Orbital Circumference -Jupiter Orbital Circumference)  $\times 2\pi = 202584 \text{ mkm}$

Jupiter & Pluto Orbital Circumferences Difference  $\times 2\pi = 202584 \text{ mkm}$

Also

Light with velocity 1.16 mkm/s during 2 solar days passes a distance = 202584 mkm

Equation No. b

This equation tells a simple information – from a distance = 202584 mkm we minus Neptune orbital circumference (28255 mkm)- The rest of energy = 2 x 86400 mkm

Equation No. c

This equation tells that the value 86400 mkm reach to Earth (or Venus)!

**First, Why this prove any thing??**

Because we use the same equation!!

The difference between Neptune & Earth Circumferences  $\times \pi = 86400 \text{ mkm}$

This is the same equation by which the energy is sent from Jupiter to Pluto – it's NOT similarity for some numbers – it's the same motion of energy- so the same equation and the same amount of energy are used

**Second**, to where the energy is sent, because if we use Neptune Earth circumferences difference or Neptune Venus circumferences difference – the error will be less 1% give no direction to the energy transportation– so the 1<sup>st</sup> trajectory energy is sent to Earth or Venus?!

**To both together** – the energy is reach to a point 120 mkm from the sun and from this point the energy (86400 mkm) is divided for 2 Planets (Earth and Venus)

**Third**,

The difference between (Neptune & Mercury) orbital circumferences  $\times \pi = 86400 \text{ mkm}$  (error 1.5%)

So – why this energy must be passed through Jupiter – why not directly to Mercury?

Because Mercury Jupiter Distance = 720.7 mkm and

720.7 mkm  $\times 2\pi = 4495.1 \text{ mkm}$  (Neptune orbital distance)- later we'll discuss it.

## More Deep Discussion

### QUESTIONS AND ANSWERS

(1)

**Why does the previous data prove the story?**

**Shortly**

The value **202584mkm** is used 3 times in the previous data

- (1) As the result of **Jupiter Pluto Circumferences Difference x  $2\pi$**
- (2) As a distance passed by light with velocity 1.16 mkm/s during 2 days
- (3) As the total = 28255 mkm + 2 x 86400 mkm

Where (28255 mkm = Neptune orbital circumference) and (86400 mkm = Neptune – Earth orbital circumferences difference x  $\pi$ ) where we can use Venus or Mercury in place of Earth and reach to the same result

The 3 times of using the value **202584mkm** have no clear explanation – just what I provided here in this paper.

(2)

**How to prove the energy is transported really?**

Let's remember – we accepted that – **Distance = Energy** ...Now

The inner planets creation energies are sent from Jupiter and reflected by Neptune  
What conclusion we can reach here?

**Jupiter & Neptune orbital distances control the inner planets data Is It True??**

## More Data

### Group No. (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%)

Simply the inner planets define their distances with a limit which is Neptune orbital distance- Why? because **Neptune reflected their energy**

### Group No. (II)

**Jupiter Orbital Circumference**

360 mkm (Mercury Orbital Circumference) + 680 mkm (Venus Orbital Circumference) + 940 mkm (Earth Orbital Circumference) + 1433.5 mkm (Mars Orbital Circumference) x 2 = 4900 mkm (Jupiter Orbital Circumference) (**error 1%**)

**Shortly**

the inner planets orbital circumferences total = Jupiter orbital circumference! Why? because Jupiter energy is their creation source – the inner planets are created because of Jupiter energy - and **Energy = Distance** – that explains the data clearly-

**Note Please**

For a geometrical necessity Mars Orbital Circumference is used 2 times in the previous summation (**Later we'll have more deep discussion**).



**Group No. (III)**

**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 Please**

(1)

When Earth and Jupiter are at 2 sides from the sun so  $930 \text{ mkm} = 778.6 \text{ mkm} + 149.6 \text{ mkm}$  – so Earth Jupiter distance (in this case) = Earth orbital circumference (940 mk)

(2)

The previous data needs more deep discussion – we should realize that Jupiter is the inner planets store of Energy and Neptune reflected this energy to them – simply the inner planets live on this energy – and that creates a very great effect of Jupiter and Neptune on the inner planets

The previous data (which is so much data) is a very small part of a sea of data proving this fact – we need to discuss each relationship alone to see clear as possible

**For example**

Mercury moves during its day period (around 176 solar days) a distance = **Mercury Jupiter Distance!** Why? it's Jupiter effect on Mercury motion – which we need to discuss later

Mercury orbital inclination, orbital period and a great part of Mercury orbital motion depends directly on Jupiter data

The previous data I inserted to work as a proof for the argument – but the real relationships are so deep in the solar system geometrical structure and we should discuss them as deep as we can in this paper.

**Group No. (IV)**

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%)

## 6-4 Earth 4 years Cycle (1461 days)

### I- Data

940 mkm (Earth orbital circumference) – this value will be used as 940 seconds

(I)

940 seconds x 1.16 mkm/sec = 1085 mkm (error 0.4%)

(II)

1085 mkm x 1.16 mkm/sec = 1259.4 mkm

(III)

1259.4 seconds x 1.16 = 1461 mkm

(IV)

(1461 mkm x  $\pi$ ) x 0.3 mkm/sec = 1375 mkm (Mercury Saturn Distance)

### II- Discussion

The value 1461 mkm which is used as 1461 seconds (or 1461 days)

This value is produced depending on 940 mkm = Earth orbital circumference

### But Note Please

The value 1259.4 seconds can be produced by another equation

Let's see it

177.4 deg. (Venus axial tilt) + 2.5 deg. (Saturn orbital inclination) = 179.9 deg.

179.9 degrees x 7 degrees (Mercury orbital inclination) = 1259.4 degrees

1 degree = 1 mkm because mercury orbital circumference = 360 mkm = 360 degrees

So 1259.4 degrees = 1259.4 mkm and can be used as 1259.4 seconds

That explain the value 1375 mkm (Mercury Saturn Distance) which is produced in Equation No.(IV)

## More Equations

These equations and many other we may discuss in the next paper

(1<sup>st</sup>)

**5756.4 mkm** (Pluto Earth Distance) –

5756.4 seconds x 0.3 mkm/sec =  $\pi$  x 550.7 mkm (Mars Jupiter Distance)

$\pi$  x 3061 mkm (Uranus Pluto Distance)

$\pi$  x 3061 x 0.3 mkm /sec = **5756.4 mkm**

(2<sup>nd</sup>)

$2\pi$  x 2719 mkm (Earth Uranus Distance)

$2\pi$  x 2719 seconds x 0.3 mkm/sec = 5127 mkm (Jupiter Pluto Distance)

4437.2 mkm (Mercury Neptune Distance)

4437.2 seconds x 1.16 mkm/sec = 5127 mkm (Jupiter Pluto Distance)

(3<sup>rd</sup>)

1205 mkm = Mars Saturn Distance

1205 seconds x 1.16 mkm/sec = 1411 mkm = (Pluto Neptune distance)

(4<sup>th</sup>)  $2\pi$  x **1622.7** mkm (Uranus Neptune Distance)

$2\pi$  x 1622.7 seconds x 0.3 = 3033 mkm Uranus Pluto Distance

2644.6 mkm (Mars Uranus Distance)

2644.6 seconds x 1.16 mkm/sec = 3033 mkm Uranus Pluto Distance

(5<sup>th</sup>) **1622.7** mkm (Uranus Neptune Distance)

1622.7 seconds x 1.16 mkm/sec = 2 x 940 mkm (Earth orbital circumference)

1622.7 seconds x 0.3 mkm/sec = 2 x 243 mkm (243 days Venus rotation period)

(6<sup>th</sup>) 4495.1 mkm (Neptune Orbital Distance)

$\pi$  x 4495.1 seconds x 0.3 mkm /sec = 4267 mkm (Mars Neptune Distance)

(7<sup>th</sup>) 2872.5 mkm (Uranus orbital distance)

$\pi$  x 2872.5 seconds x 0.3 mkm /sec = 2723 mkm Earth Uranus Distance

$\pi$  x 2814.6 seconds x 0.3 mkm /sec = 2644.6 mkm Mars Uranus Distance

(2814.6 mkm = Mercury Uranus Distance)

(8<sup>th</sup>) 1205 mkm (Saturn orbital distance)

$\pi$  x 1205 seconds x 1.16 mkm/sec = 4387 mkm (Venus Neptune Distance)

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