# Definition Of Motion (II)

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## Abstract

### Paper Hypotheses

- Solar system motion consists of light & planets motions. Both are geometrical players in the solar system geometrical structure

- In all solar system motions – light motion leads planets motions

- Solar system motion main features are (I) 2 Motions (Light And Planet) (II) both motions pass the same distance (III) the same distance passing by different rates Of Time.

- Inner planets orbital circumferences are motions done by inner planets and light beams

- Inner planets orbital circumferences are produced depending on Jupiter energy

- Inner planets orbital circumferences work as bridge to transport the energy from Jupiter to the moon orbit

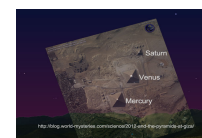- Pluto motion effect can be seen easily in Earth Moon Motion

## References

| | |
|---|---|
| Definition Of Motion (I) | http://vixra.org/abs/1909.0263 |
| Why does Earth Moon Orbit regress? (Part II) | http://vixra.org/abs/1909.0107 |
| Why does Earth Moon Orbit regress? | http://vixra.org/abs/1909.0064 |
| Energy Transportation Through The Solar Group | http://vixra.org/abs/1908.0510 |
| Is the 2737 Phenomenon a real one? (II) | http://vixra.org/abs/1908.0583 |

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**The Assumption Of S. Virgin Mary.**
**Written in Cairo – Egypt**
**14th September 2019 (S. George)**

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## 1-Introduction

(Definition of Motion) is a series of Papers – I have used Paper No. (I) to be a reference of data – that's why it has huge amount of data without explanations

In the current paper (II) we discuss the argument

"Inner Planets Orbital Circumferences Depend On Jupiter Orbital Circumference"

This conclusion I have mentioned without proves –based on the following data:

**I-Data**

**Jupiter Orbital Circumference 4900 mkm =** Mercury Orbital Circumference 360 mkm + Venus Orbital Circumference 680 mkm + Earth Orbital Circumference 940 + Mars Orbital Circumference 1433.5 mkm **x 2**

## II- Discussion

This data was supported– and based on it I reach to the conclusion…

Any way ….

The data is unclear – but we had no room to analyze it in that paper – let's do it here

First question

Why does the equation use 2 Mars Orbital Circumferences?

If

Jupiter orbital circumference = 4 inner planets orbital circumferences total (only)

In this case

I would claim that "Space = Energy", And Jupiter reflected his energy to inner planets and because of that the inner total distances = Jupiter distance…

But the equation disgraces me – and uses **2 Mars Orbital Circumferences** to show complexity in understanding…..

How to solve that??

Let's release ourselves from the confusion and use the 4 inner planets data only

**3413.5 Mkm** = Mercury Orbital Circumference 360 mkm + Venus Orbital Circumference 680 mkm + Earth Orbital Circumference 940 + Mars Orbital Circumference 1433.5 mkm

Now

What's this value 3413.5 mkm – It doesn't equal Jupiter orbital circumference (4900 km) and we still need to add (1433.5 mkm = Mars orbital Circumference) – Why this value is useful? let's see more data

**More Data**

| | |
|---|---|
| 5040 Minutes x 0.99 | = 4989.6 minutes |
| 4989.6 minutes x 60 | = 299376 seconds |
| 299376 seconds x 0.3mkm/sec (light known velocity) | = 89812.8 mkm |
| 89812.8 mkm – 86400 mkm | = **3413.5 Mkm** |

(**Note Please** Mercury Day needs 5040 seconds to be 176 solar days)

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<mark>**Deep Discussion**</mark>

How to understand the previous data?? Why the solar system is so complex to be understood??

I want to answer this question ……..why it so complex as such??

- Solar system is a system of motions.

- Solar system motions contain motions of light and planets – both are geometrical players in the solar system geometrical structure

- Motions of light are leading motions where planets motions are followers

- We see and observe planets – i.e. – we see the results but don't see their sources or reasons – that's why the planets motions became so puzzled before our eyes because these motions are caused by light motions where we don't see that, instead we consider planet motion is done independently..

Now let's return to the new data – how to understand it?

*5040 Minutes x 0.99*                                    *= 4989.6 minutes*
*4989.6 minutes x 60*                                       *= 299376 seconds*
*299376 seconds x 0.3mkm/sec (light known velocity)*     *= 89812.8 mkm*
*89812.8 mkm – 86400 mkm*                             *=* <mark>***3413.5 Mkm***</mark>

We know Mercury Day needs 5040 seconds to be 176 solar days – here we use 5040 minutes and not seconds (regardless of that for now) – Also data uses 0.99 of this value! Why? I don't know! But I know that – There are hundreds of Solar System Data are used in both forms as 100% or 99% - both forms are working players (I remove this idea proved data to avoid the confusion)

So what we have learnt from this data?
Light (0.3mkm/sec) passes this distance 3413.5 mkm (= inner planets orbital circumferences total) during this period…
What a big deal of that?
**It's A Parallel Motion Done By Light**… we see the inner planets revolve around the sun but we don't consider that in their revolutions the light is their companion

The next hard question is– what's the useful result of light motion companion planet motion? Because light moves in all direction (as we know!) so if light be a planet companion in its motion that can't be so strange but why this is useful at all?

Still we don't answer the question … <mark>why data uses 2 Mars orbital circumferences</mark> to produce Jupiter Orbital Circumference?

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In all solar system motions – light motion leads planet motion – the interactions between planets motions are found basically because of interactions done by light motions- that means – light motions interactions causes the using of double Mars orbital Circumferences to produce Jupiter Orbital Circumference – that means – indeed inner planets orbital circumferences depend on Jupiter orbital circumference but not by a direct interactions between them instead through interactions by light with both of them..

**Example No.1**
25920 mkm = 86400 seconds (Solar Day)  x 0.3 mkm/sec (known Light Velocity)
25920 mkm = 17.75 mkm (solar planets velocities daily total) x 1461 days
(Earth cycle 365+365+365+366=1461 days)

Previous data tells that during Earth Cycle – Solar Planets together move a distance = the distance passed by light (0.3mkm/sec) during a solar day

- 2 Motions (Light And Planet)
- The Same Distance (25920 Mkm)
- Different Rates Of Time

These 3 features are solar system motion main features – so to understand a planet motion we have to analyze its light companion motion in addition to other planets motions –
So
Inner planets orbital circumferences relationship with Jupiter orbital circumference is just an approach to analyze **Light and Planet motions interaction**

Let's start our analysis in following

**2- Methodology**
Paper methodology is mentioned in (Motion Definition (I))

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## 3- Inner Planets Orbital Circumferences Analysis

3-1 Data

3-2 Discussion

## 3-1 Data

### Group No. 1 (Revision)

| | |
|---|---|
| 5040 Minutes x 0.99 | = 4989.6 minutes |
| 4989.6 minutes x 60 | = 299376 seconds |
| 299376 seconds x 0.3mkm/sec (light known velocity) | = 89812.8 mkm |
| 89812.8 mkm – 86400 mkm | = **3413.5 Mkm** |

### Group No. 2

**No. 1**

**3413.5 mkm**          = 2.41 mkm x 354.36 days x 4

**No. 2**

(1417.44 days / 500 days) = 2.8348 = A x 0.99          (Where A =1.16/0.406)

**No. 3**

**3413.5 mkm**          = 2.58 mkm (Earth Velocity Daily)          x 1323 days
                        = 2.082 mkm (Mars Velocity Daily)          x 1622.7 days    (1%)
                        = 0.5875 mkm (Uranus Velocity Daily)          x 5810 days
                        =115.8 mkm ( Mercury orbital distance)          x 29.53 days

**No. 4**

**3413.5 mkm**  x 0.8018 =2737 mkm (where 0.8 degrees = Uranus orbital inclination)

**No. 5**

5040          $=2\pi$ x 802

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## 3-2 Discussion

What do we know till now about 3413.5 mkm?

- (I) 3413.5 mkm = Inner Solar Planets Orbital Circumferences Total
- (II) 3413.5 mkm = a distance passed by light known velocity (0.3mkm/sec) during the period 5040 **MINUTES** x 0.99

Let's start our discussion

### Equation No. 1

**3413.5 mkm** | **= 2.41 mkm x 354.36 days x 4**

Where

2.41 mkm= Moon Orbital Circumference     354.36 days =Lunar synodic year (=12 x 29.53)

The equation tells that

If the moon moves daily a distance =2.41 mkm so during 4 lunar synodic years he will pass the distance 3413.5 mkm (= 4 inner planets orbital circumferences)!

Before to ask why this is useful? …..the 1$^{st}$ question should be "Does Moon move 2.41 mkm daily?"

(1)

The moon has to move daily a distance =2.58 mkm= Earth Motion daily otherwise they will be separated from each other

So **The Moon Daily Motion =2.58 Mkm**

2.58 mkm = the moon orbital circumference at apogee point (the most far point from Earth the Moon can reach)

But – the moon orbital circumference =2.41 mkm (because the moon doesn't move along apogee point always so the moon average orbital circumference =2.41 mkm)

I want to say that

Moon Real Motion =2.58 mkm – so he passes longer distance in 1417.4 days

This motion we see =2.41 mkm - so he passes the distance in 1417.4 days

And these 2 velocities are seen in the moon orbital circumferences as 2 different radius (0.384 mkm and 0.406 mkm respectively)

Why this difference is found? My answer is "because of **Length Contraction Effect**"

As I have suggested before that

There are relativistic effects in solar system and these relativistic effects causes lorentz length contraction effect with basic rates which are 71 – 7.1 – 1.0725

### 2.58 mkm = 2.41 mkm x 1.0725

So moon moves really 2.58 mkm daily but we see as 2.41 mkm daily

For relativistic effects detailed discussion please review

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

http://vixra.org/abs/1907.0523

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(2)
**Equation No. (1) (More Discussions)**

<mark>**3413.5 mkm**</mark> **= 2.41 mkm x 354.36 days x 4**

The moon moves daily 2.41 mkm and during 4 synodic year (354.36 days x 4) he will pass the distance 3413.5 mkm (= Inner Planets Orbital Circumferences Total)

Why 4 Synodic years??
We know Earth has a cycle of 4 years…! How do we know that? Because
365+365+365+366 =1461 days
Each 4 years we have to use 1 additional day to correct the calendar – so easily I conclude it's a cycle…
But why the moon uses 4 synodic years? 354.36 x 4= **1417.44 days**
The result number (1417.44 days) doesn't tell us there's any cycle here?!!
Let's forget this question for a while
Now let's ask Why?
The moon during the period 1417.44 days (354.36 days x 4) will pass a distance = all solar planets orbital circumferences total                  ……Why?
Shortly
Because Jupiter sent his energy to the inner planets – and the inner planets concentrate this all energy in the moon motion

# **As a proof**

If Distance = Energy

<mark>**Moon Orbital Area = all Jupiter Energy sent to the inner Planets**</mark>
**Moon Orbital Area**
**I-Data**
The area from perigee (363000km) to apogee (406000 km)
A= π ((406000)$^2$ – (363000)$^2$ = **_103925 mkm$^2$_**
But …. Do we know this value…..?
Jupiter Energy was = 100224 mkm ………………The difference = **3%**
If we accept that this 3% as error in some measurement – that means – this area = Jupiter energy distance….
Just question..!
How the area can be = a distance? Imagine the distance whose length 100224 mkm has a breadth = 1 km so the final area will be 100224 mkm$^2$
If Jupiter energy is found here so the triangle dimensions (which = Saturn diameter, Saturn Circumference and Jupiter Circumference) are not found by any pure coincidences because the main energy is transported clearly from Jupiter to Earth Moon Orbit!
It's a heavy claim….. So we need to review Jupiter energy travel through the solar group to see much if it's real possible to transport the energy from Jupiter to Earth Moon Orbit…

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## Jupiter Energy (revision)

**Data**

### (Equation No. A)

**(Pluto Orbital Circumference- Jupiter Orbital Circumference) x$\pi$ =100224 mkm**

## 2x100224 mkm =

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

**But**

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

**(Neptune orbital Circumference – Earth orbital Circumference) x $\pi$ = 86400 mkm**         **(II)**

(Venus Orbital Circumference follow simply equation II where the error less 1%)

**Discussion**

We have discussed this data before – the basic concept in our discussion is - **Space Is Energy** – means Distance = Energy – i.e. **Distance Between Pluto & Jupiter Is Energy**…

This concept is so useful because the distances equality is our guide to know if the energy is transported from any point to another…(Why the Equations use $\pi$? I still search behind this question)

**Why The Previous Data Provide A Proof?**

Because (1) The Planets Real Distances Are Sufficient For The Description
        (2) The Energy motion uses the same equation form (Equations I and II)

**The Whole Story**

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

Then

- Neptune used 16% from this energy to create its orbital circumference

Then

- Neptune reflected the rest of energy into 2 equal different trajectories of energy – each trajectory contains energy equal 86400 mkm
    o **1$^{st}$ Trajectory is sent to Mercury alone (86400 mkm)**
    o 2$^{nd}$ Trajectory is sent to Earth & Venus (86400 mkm)

Now – based on the previous story – what conclusion we may reach?

If      (1) Distance = Energy     (2) Jupiter sent the main energy
        (3) Neptune reflected this main energy

So – Jupiter & Neptune Orbital distances (or circumferences) control the inner planets orbital and internal distances… can that be true?! Let's try to answer..

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**Jupiter and Neptune orbital distances control the inner planets distances**

**I-Data**

**Group (I)**

**Neptune Orbital Distance** 4495.1mkm =

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

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

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

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

I wish we have more confidence in our argument…

**Group (II)**

**Jupiter Orbital Circumference**

**(Part 1)**

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

**(Part 2) 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**

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

2- (Data Part 2 tells that the inner 3 planets define their orbital circumferences relative to their distances to Jupiter – which supports our claim)

3- Mercury moves during his day period (= 2 orbital period) a distance =Mercury Jupiter Distance

**(Part 3)**

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

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

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

Now Let's return to the question

Why during 1417.44 days the moon moves a distance =3413.5 mkm = Inner Planets Orbital Circumferences Total

Let's answer that with Equation No. 2 Discussion

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**Equation No. (2)**

**(1417.44 days / 500 days) = 2.8348 = A x 0.99**   (A =1.16/0.406)

We know 1417.44 days…………But what's this 500 days?

Light known velocity (0.3mkm/sec) needs 500 seconds to pass Earth orbital distance 149.6 mkm

And

Light supposed velocity (1.16 mkm/sec) needs 500 seconds to pass a distance =580 mkm ………where 582 mkm= π x 187 mkm

## 3413.5 mkm +187 mkm =3600 mkm

So

1417.44 days ……..is Moon Motion

500 seconds………is Light Motion  ………….and we see this 500 s as 500 days

(let's ignore for now the question why 1 second period be 1 solar day period)

The rate between these 2 values produce the know rate **A = (1.16/0.406)**

Where

1.16mkm/sec = light supposed velocity       0.406 mm per day = Pluto Motion

So this Rate A (=1.16/0.406) is found based on Pluto Motion Concept which we have discussed in (Definition of Motion I)

What we understood from this analysis?

The value 3600 mkm is produced by motions interaction (planet and light motions)

Why this value 3600 mkm is important? Because

86400 mkm + 3413.5 mkm       = 89813 mkm

86400 mkm + 3600 mkm         = 90000  mkm

If these motions done based on 1 second periods – so the value 90000 mkm =$c^2$

$C^2$ is the light beam source

Let's remember the question

Why the value 1417.44 days? Why during this period the moon moves a distance = 3413.5 mkm ? why this defined period 1417.44 days?

Because

The light and planet motions interaction is done based on this period 1417.44 days

And that's proved by the rate A (=1.16/0.406)

Where 1.16 mkm/sec (light supposed velocity) and 0.406 mkm (Pluto velocity daily)

This rate we have explained before – I have suggested that – light motion for 1 second causes planet motion for 1 solar day – and specifically – light motion for 1 second (1.16 mkm/sec) causes Pluto to move for 1 solar day – and Pluto moves 0.406 mkm during the solar day   - based on that the rate A(1.16/0.406) controls solar planets basic data which I have discussed and provide in previous paper (I)

This answers why using the period 1417.44 days- but – that means – this period should have specific effect in the solar system motions – means there's an important cycle relative to this period even if we don't know this cycle

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## A summary

- Inner planets orbital circumferences are produced depending on Jupiter energy

- Inner planets orbital circumferences work as bridge to transport the energy from Jupiter to the moon orbit

- The accumulated energy in the moon orbit = 89813 mkm

- Pluto effect on inner planets motions cause light with supposed velocity (1.16 mkm/sec) to pass 500 seconds producing the required energy 187 mkm

- The total will be 89813 mkm + 187mkm = 90000 mkm

- If the used time= 1 second so the distance 90000 mkm = $c^2$ where $c^2$ is the light beam source of energy

- 500 seconds of light motion (580 mkm= 500 x 1.16) this period is transported to Earth as her orbital distance defined period- shortly this 500 seconds is the main connection between Earth and Moon on one side with Pluto on the other side, and based on this connection their relationships are created

- Based on that the motions energies produce the light (0.3mkm/sec) as additional light beams where the original one is the supposed velocity light beams =1.16 mkm/sec

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**Equation No. 5**

$$5040 \qquad =2\pi \times 802 = 2\pi \times 2 \times 401$$

How to understand this equation

**5040**

5040s is required for Mercury day to be 176 solar days – we know that- but here this value works as a rate only – without any unit – just 5040

**2π**

This rate expresses Earth & Pluto Relationship as we have discussed before frequently

**401**

**This number should be a rate also**

401 = (Moon Sun Distance / Moon Earth Distance)….when

In the **Full Moon (apogee radius)**

i.e.

when the moon be full and be in the same time in apogee radius (0.406 mkm from Earth) – in this case – Sun Moon Distance divided by Earth Moon Distance =401

what a big deal here?

Equation no. 5 tells us that….. the moon orbital geometrical structure is created depending on 2 factors

(1st Factor)  the value 5040 seconds of Mercury day

(2nd Factor)  Earth Pluto Relationship  (2π)

Based on these 2 factors the moon orbital geometrical structure is created

Earth Moon is NOT similar to any other planet moon – because in Earth Moon orbit Jupiter total energy is accumulated and also added by light motion for 500 seconds pushes by Pluto effect..

Any where this discussion we should continue in the next paper

Thanks for reading

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