

Solar Planet Velocity Analysis (Revised)

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Abstract

Paper Hypotheses

(1)

Planet Velocity shows, Planet Motion is a part of A Greater Motion-

(2)

Planet Velocity shows, Planets motions are similar to a train motion- it's one unified motion – and as a train moves with its carriages – the solar system moves one general motion with all planets. ("Train Motion Concept")

(3)

Planets different velocities can't disprove "Train Motion Concept".

(4)

Space is NOT nothingness but a geometrical player in the solar system geometry

(5)

Space & Matter are created relative (and complementary) to each other

Data References

Planetary Fact Sheet – Metric <https://nssdc.gsfc.nasa.gov/planetary/factsheet/>

Dwarf planet Ceres Data <https://solarsystem.nasa.gov/planets/dwarf-planets/ceres/in-depth/>

References

Definition Of Motion (I)

<http://vixra.org/abs/1909.0263>

Why does Earth Moon Orbit regress?

<http://vixra.org/abs/1909.0064>

Matter Creation Principle (Part V)

<http://vixra.org/abs/1908.0367>

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

18th September 2019 (S. George)



1-Introduction

The solar system moves as a train – each planet is similar to a train carriage – as a train moves with its carriages together – the solar system pushes its planets together. This attractive idea captures me and I can't stop trying to prove it – It becomes my treasure –

While for years I try to prove that – solar planets consist together one building and each planet is a part of this same building – Through more than 150 papers I have published on my accounts – I have tried hardly to prove this fact

I used Planet Data Analysis as my basic method to do that

Then I have reached to this good idea –the solar system moves as a train- and found that this idea can be a good proof for my claim and provide even additional proves depend on planets motions and not only on planets data analysis

In this paper I analyze the planets velocities to show that these velocities can be created as such only if the solar planets move together as a train– I mean – If a solar planet moves individually and independently from other planets motions accordingly its velocity value should be changed – but only because the solar system moves depending on other motions – the planet has this specific velocity value...

Let's use an example for better explanation

Example no.1

$$\frac{\text{Mercury Velocity } 47.4 \text{ km/s}}{\text{Jupiter Velocity } 13.1 \text{ km/s}} = \frac{\text{Venus Velocity } 35 \text{ km/s}}{\text{Saturn Velocity } 9.7 \text{ km/s}} = \frac{\text{Mars Velocity } 24.1 \text{ km/s}}{\text{Uranus Velocity } 6.8 \text{ km/s}} = 3.6$$

(Max Error 1.7%)

The previous equation is one of many others we should discuss in this paper –

The first observation is–planets velocities are rated to each other ! Why?

If Planet moves independently and individually– Why these velocities are rated to each other?

In this paper we discuss many similar equations which lead to conclusions against the classical description – and suggest that – Planet motion depends on other motions...

The paper data discussion supports our confidence in "**Train Motion Concept**" – but here let's ask one more question-

How a planet motion can be effected by other planets motions? What's the theoretical question behind? **It's Space Definition**- we need to define the space explaining if it can support planets motions effect one each other or prevent such effects to be found i.e. this paper has a deep theoretical question behind which is "**What's The Space?**"

Paper Contents

3- Planet Velocity Analysis

4- Space Definition

2- Methodology

Paper methodology is mentioned in (Motion Definition (I))

3- Planet Velocity Analysis

3-1 Data (3 Groups)

3-2 Discussion (I)

3-3 Discussion (II)

3-4 The Conclusion

3-1 Data (3 Groups)

Group No. 1

Equation No. 1

$$\frac{\text{Venus Velocity } 35 \text{ km/s}}{\text{Earth Velocity } 29.8 \text{ km/s}} = \frac{\text{Moon Velocity } 27.9 \text{ km/s}}{\text{Mars Velocity } 24.1 \text{ km/s}} = \frac{\text{Neptune Velocity } 5.4 \text{ km/s}}{\text{PLuto Velocity } 4.7 \text{ km/s}} = 1.16$$

Equation No. 2

$$\frac{\text{Mercury Velocity } 47.4 \text{ km/s}}{\text{Venus Velocity } 35 \text{ km/s}} = \frac{\text{Mars Velocity } 24.1 \text{ km/s}}{\text{Ceres Velocity } 17.8 \text{ km/s}} = \frac{\text{Ceres Velocity } 17.8 \text{ km/s}}{\text{Jupiter Velocity } 13.1 \text{ km/s}} = \frac{\text{Jupiter Velocity } 13.1 \text{ km/s}}{\text{Saturn Velocity } 9.7 \text{ km/s}} = 1.345$$

Equation No. 3

$$\frac{\text{Earth Velocity } 29.8 \text{ km/s}}{\text{Mars Velocity } 24.1 \text{ km/s}} = \frac{\text{Venus Velocity } 35 \text{ km/s}}{\text{Moon Velocity } 27.9 \text{ km/s}} = \frac{\text{Uranus Velocity } 6.8 \text{ km/s}}{\text{Neptune Velocity } 5.4 \text{ km/s}} = 1.254$$

Equation No.4

$$\frac{\text{Mercury Velocity } 47.4 \text{ km/s}}{\text{Jupiter Velocity } 13.1 \text{ km/s}} = \frac{\text{Venus Velocity } 35 \text{ km/s}}{\text{Saturn Velocity } 9.7 \text{ km/s}} = \frac{\text{Mars Velocity } 24.1 \text{ km/s}}{\text{Uranus Velocity } 6.8 \text{ km/s}} = 3.6$$

Group No. 2

No.5

Mercury Velocity daily 4.095 mkm x Ceres Velocity Daily 1.5434 mkm = 2π mkm²

No.6

Venus Velocity daily 3.02 mkm x Mars Velocity Daily 2.082 mkm = 2π mkm²

No.7

Earth Velocity daily 2.58 mkm x Moon Velocity Daily 2.082 mkm = 2π mkm²

Group No. 3

No.8

Mars Velocity Daily 2.082 mkm = 1/ (Neptune Velocity Daily 0.4665mkm)

No.9

Moon Velocity Daily 2.41 mkm = 1/ (Pluto Velocity Daily 0.406 mkm)

No.10

Earth Velocity Daily 2.58 mkm = Pluto Velocity Daily 0.406 mkm x 2π

3-2 Discussion (I)

Group No. 1

(Max Error 1.2%)

Equation No. 1

$$\frac{\text{Venus Velocity } 35 \text{ km/s}}{\text{Earth Velocity } 29.8 \text{ km/s}} = \frac{\text{Moon Velocity } 27.9 \text{ km/s}}{\text{Mars Velocity } 24.1 \text{ km/s}} = \frac{\text{Neptune Velocity } 5.4 \text{ km/s}}{\text{PLuto Velocity } 4.7 \text{ km/s}} = 1.16$$

Equation No. 2

$$\frac{\text{Mercury Velocity } 47.4 \text{ km/s}}{\text{Venus Velocity } 35 \text{ km/s}} = \frac{\text{Mars Velocity } 24.1 \text{ km/s}}{\text{Ceres Velocity } 17.8 \text{ km/s}} = \frac{\text{Ceres Velocity } 17.8 \text{ km/s}}{\text{Jupiter Velocity } 13.1 \text{ km/s}} = \frac{\text{Jupiter Velocity } 13.1 \text{ km/s}}{\text{Saturn Velocity } 9.7 \text{ km/s}} = 1.345$$

Equation No. 3

$$\frac{\text{Earth Velocity } 29.8 \text{ km/s}}{\text{Mars Velocity } 24.1 \text{ km/s}} = \frac{\text{Venus Velocity } 35 \text{ km/s}}{\text{Moon Velocity } 27.9 \text{ km/s}} = \frac{\text{Uranus Velocity } 6.8 \text{ km/s}}{\text{Neptune Velocity } 5.4 \text{ km/s}} = 1.254$$

Please Note

$$\begin{aligned} \text{(I)} \quad 1.345 &= (1.16)^2 \\ \text{(II)} \quad 1.345 &= 1.254 \times 1.0725 \end{aligned}$$

Let's summarize these equations analysis in following:

- The previous 3 equations show that – all planets velocities are created relative to each other – which disproves planet independent motion concept
- i.e. Planet can't move independently from other planets – on the contrary – all planets motions are relative and found depending on each other...
- The three equations depend on each other also because
 - o Second equation rate 1.345 = squared of first equation rate $(1.16)^2$
 - o Second equation rate 1.345 = Third equation rate 1.254×1.0725 (1.0725 is found by relativistic effects and will be discussed in 3-3)
- The previous Data tells that – Planets Velocities are created relative to each other which can be found only if these planets cooperate to produce one unified motion by their different motions.

Simply

- Planets Velocities are components in one greater system that's why they are relative to each other...
- Planet velocity dependency proves here depends on Planets Data Analysis – but Planets Velocities Analysis can use the planets meeting cycles to prove that these cycles are found only if these planets move as parts in greater system

This discussion can be more clear if we discuss (1) The Rest Data (2) the relativistic effects.....let's do that in following

Group No. 2

No.5

Mercury Velocity daily 4.095 mkm x Ceres Velocity Daily 1.5434 mkm = 2π mkm²

No.6

Venus Velocity daily 3.02 mkm x Mars Velocity Daily 2.082 mkm = 2π mkm²

No.7

Earth Velocity daily 2.58 mkm x Moon Velocity Daily 2.082 mkm = 2π mkm²

Group No. 3

No.8

Mars Velocity Daily 2.082 mkm = 1/ (Neptune Velocity Daily 0.4665mkm)

No.9

Moon Velocity Daily 2.41 mkm = 1/ (Pluto Velocity Daily 0.406 mkm)

No.10

Earth Velocity Daily 2.58 mkm = Pluto Velocity Daily 0.406 mkm x 2π

How to understand these equations?

- The data is clear before us – there's no way to create any planet velocity independent from others velocities – simply they are a group relative and depending on each other – I have one proof for this idea... let's write it here

Additional Data

- Earth Velocity 2.58 mkm/ day = Pluto Velocity 0.406 mkm/ day **x 2π**
- Pluto Orbital Distance 5906 mkm = Earth orbital circumference 940 mkm **x 2π**
- Pluto Day 153 hours = Earth Day 24 hours **x 2π**

Simply the rate 2π is not found only between Earth and Pluto velocities- but also between other different data – means the velocity was in the same phase with other data! i.e. Planet Velocity (Earth and Pluto) can't be created independently from other Data.

To see that much better let's discuss the relativistic effects in the solar system

3-3 Discussion (II)

$$1.345 = 1.254 \times 1.0725$$

Why the rate 1.0725 is found in this equation? Because the rate 1.254 is created from the original one 1.345 by relativistic effects - let's remember one of the relativistic effects examples

Example No. (I)

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

Explanation

(**My Hypothesis**) There's 2 higher velocities in solar system $v_1=0.99c$ produces length contraction rate =7.1 and with complex system this rate be 1.0725 – and the second velocity $v_2=0.9999c$ which produces length contraction rate =71)

How 1.0725 is produced?

$1 + (7.1/100) = 1.071$ which is very near to 1.0725 (that means $v_1=0.99$ produces length contraction rate =7.1 but the solar system uses this same rate 7.1 by a complex geometrical process to produce the rate 1.0725)

So let's explain the previous Equation based on that...

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

Then

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

Then

4. Mars Axial Tilt 25.2 degrees will be contracted (1.0725) to produce 23.4 degrees (Earth Axial Tilt) (that explain Why Earth Orbital Distance = Earth Mars Distance \times Mars Orbital Inclination)

Note Please

- (1) If the previous explanation is correct that will support the same claim "Planet motion can't be created independently from other planets motions", especially because Planet Axial Tilt effects on Planet motion
- (2) Relativistic Effects claim is my idea, I suggest to explain the frequent using of 1.0725 – let's provide more data to make this picture more clear

More Data

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

Discussion

The rate 1.0725 is using frequently and widely in solar planets data

And we try to know how to explain such wide using

So I have suggested the relativistic effects – which we can consider a good idea to explain that –

Any way

Even if the respectful reader doesn't accept my relativistic effects claim

But

The repeat using of 1.0725 through huge number of data – even without explanation- tells us that – this data can't be independent from each other

There's an effective hand passes through all data to classifies them into 2 categories

1st Category Data is rated by 1.0725

2nd Category Data isn't rated by 1.0725

This effect can't be a specific effect for any data– it's **A General Effect** and seen in different data – for example – the previous distances express around 45% of solar system total distances and they are rated with 1.0725

That's what I'm trying to prove – this rate 1.0725 using – is a part of the solar system general structure – one of its geometrical basics – and if it's found by relativistic effects as I claim – that means – a great part of the solar system is effected by relativistic effects- that explains such using....

For relativistic effect detailed discussion please review

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

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

3-4 The Conclusion

The previous discussion is short and specialized one – I have tried to show that – the planets motions can't be independent from other planets' motions

Let's summarize our conclusions in following

- 1- Planet Velocity shows that Planet Motion is a part of a greater motion-
- 2- Planet motion can't be created independently from other planets motions - because it's created relative to other motions – where all of them consist together one unified general motion

i.e.

- 3- Planet motion dependency on others motions –is – A Planet Motion Basic Property

i.e.

- 4- If a planet motion is created independently from other planets motions – the solar system general motion can't be performed which will cause to stop all solar system motions.

Main Conclusions

(1)

Solar Planet Velocity proves that, Planets motions are similar to a train motion- it's one unified motion – and as a train moves with its carriages – the solar system moves one general motion with all planets. ("Train Motion Concept")

(2)

Planets different velocities can't disprove " Train Motion Concept" because Planets unified motion is done by Energy transportation from planet to another – where A Transported Energy Amount is equal between solar planets (hypothesis)- accordingly – Planets have different velocities – because each planet distributes its energy according to its data –(mass – diameter- orbital distance – velocity....etc)

(3)

Solar Planet Velocity proves the solar system relativistic effects existence

(4)

Solar System Relativistic Effects prove that – The Solar System moves one unified general motion (Train Motion Concept)

4- Space Definition

4-1 Data

4-2 Discussion

4-1 Data

(1)

86400 seconds	x 0.3 mkm (light known velocity)	= 25920 mkm
1461 days	x 17.75 mkm (Planets velocities daily)	=25920 mkm

(2)

6939.75 seconds	x 0.3 mkm (light known velocity)	= 2088 mkm
5040 days	x 0.406 mkm (Pluto Velocity Daily)	=2088 mkm (1.7%)

(3)

5040 seconds	x 1.16 mkm/sec (light supposed velocity)	=5846.4 mkm
1433.5 days	x 4.095 mkm (Mercury Velocity daily)	=5870 mkm

(4)

5040 seconds	x 0.3 mkm/sec (light known velocity)	=1512 mkm
365.25 days	x 4.095 mkm (Mercury Velocity daily)	=1512 mkm (1%)

Where

5040 seconds = are required for mercury day to be 176 solar days

6939.75 days = Metonic Cycle Period (Moon Cycle)

25920 years = Precession Cycle

4-2 Discussion

In this point we try to answer the questionwhat's the space (=what's the distance)?

Before let's summarize the previous equation explanation as short as possible..

Equation no. 1

86400 seconds	x 0.3 mkm (light known velocity)	= 25920 mkm
1461 days	x 17.75 mkm (Planets velocities daily)	=25920 mkm

Light with known velocity (0.3mkm/sec) passes a distance =25920 mkm during the solar day period- but all solar planets motions daily total can pass this same distance during 1461 days where we know it's the Earth cycle (365+365+365+366 =1461 days) – so both can pass this same distance in different rates of time

Equation no. 2

6939.75 seconds	x 0.3 mkm (light known velocity)	= 2088 mkm
5040 days	x 0.406 mkm (Pluto Velocity Daily)	=2088 mkm (1.7%)

Light with known velocity (0.3mkm/sec) needs 6939.75 seconds to pass Jupiter Uranus Distance (2088 mkm) but Pluto can pass this same distance during a period =5040 days where Pluto velocity =0.406 mkm/day (equation error =1.7%)

Equation no. 3

5040 seconds	x 1.16 mkm/sec (light supposed velocity)	=5846.4 mkm
1433.5 days	x 4.095 mkm (Mercury Velocity daily)	=5870 mkm

I have supposed there a light velocity =1.16 mkm/sec
There's A Light Beam Travels With 1.16 mkm per sec (My Claim)
<http://vixra.org/abs/1904.0236>

with this supposed velocity – light passes 5846.4 mkm (Mercury Pluto Distance) in 5040 seconds – but Mercury can pass this same distance (approximately) during a period 1433.5 days – (we remember that Saturn orbital distance =1433.5 mkm) – we have seen before that 1433.5 days is used frequently in the solar system – because time and distance can be equivalent in higher velocity

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

(4)

5040 seconds	x 0.3 mkm/sec (light known velocity)	=1512 mkm
365.25 days	x 4.095 mkm (Mercury Velocity daily)	=1512 mkm (1%)

Light with know velocity passes 1512 mkm during 5040 seconds – but Mercury passes it during 365.25 days (Earth Orbital Period).

Space Definition

The previous equations shows that light and planet pass through the same distances - But the question is – why these motions show defined values- for example –Light during solar day (86400 seconds) passes a distance which is passed by all solar planets together during Earth Cycle period (1461 days) – (Equation no.1)

Why These Periods Are Defined Values (I)

Let's ask our old question
Why we see the sun disc = the moon disc? Because

$$\frac{\text{The Sun Diameter}}{\text{The Moon Diameter}} = \frac{\text{Earth Orbital Distance}}{\text{Earth Moon Distance}} = 400$$

Why The Diameters = The Distances Rate? (II)

The basic difficulty here is that– we have no knowledge source to defne the distance- The classical description provides nothing about the space – soothe human can easily imagine his own definition –

Based on (I) and (II) we have a clear direction of Data
We may summarize our conclusion in following

Conclusions:

1. Space is NOT nothingness but a geometrical player in the solar system geometry
2. Space is created in relationship with matter – that may lead us to conclude that – Matter and Space are created complementary to each other – or in more clear words – Matter is created in motion and accordingly the space is a necessary component of Matter creation because matter moves in it
3. Planet and light motions through Space (Distance) are distinguish motions – to explain that – we need more deep analysis and discussion (next paper)

Please Review

Solar Planets Move Together In One Unified Motion (As A Train Motion)

<http://vixra.org/abs/1909.0135>

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>

Light Velocity Effect On Solar System Geometry

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

Precession Cycle Effect

<http://vixra.org/abs/1908.0415>

Matter Creation Principle (Part V)

<http://vixra.org/abs/1908.0367>

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