

Time And Distance Equivalence (Proves)

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Abstract

Time And Distance Values Can Be Equivalent In Higher Velocity

i.e.

Time & Distance Values Equivalence Is Occurred As A Relativistic Effect.

Briefly

When a particle moves with high velocity (near to light velocity), So this particle may suffer from the following effects:

- 1- Mass Increasing
- 2- Length Contraction
- 3- Time Dilation
- 4- Time & Distance Values Equivalence**

Point No. 4 is my conclusion I have reach through The Solar Planets Data Analysis - This paper tries to prove this fact that (Time and Distance Values can be equivalent – In Higher Velocity)

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1- Introduction

This paper provides a clear claim

But what proves we can discuss here-

Special Theory of relativity is created based on electrodynamics science – as Einstein himself stated in his book- so the theory is built according to the Experiments results

But this new feature which I add – what proves I have for it?

I analyze the solar planets data –and I have noticed -from long time- the following Notice:

- There many numbers are found in 2 different units – that means – the same number is found 2 times – once in time unit and the second in distance unit!

Let's discuss one example for explanation in following:

Example No. 1 : The Cycle of Precession

25920 years = Precession Cycle

But

Light with velocity (0.3 million km/sec) travels during a solar day (86400 seconds) a distance = **25920 million km**

So the number 25920 is seen 2 times (As time value) and (As distance value) – Easily the current theory considers such number repeating as pure coincidence- so no geometrical explanation is needed here....

But

I have seen many other numbers found in 2 values (as time and as distance values)- as we'll discuss in this paper – so I have though that it's not correct to consider such repeating of number as pure coincidences- and I have searched for a geometrical reason behind...

The current theory denies also that there are relativistic effects in the solar group basically because the planet velocity is measured perfectly and very low in comparison with the light velocity-

In fact

My main question in all my papers was "How the matter is created" and because no available answer for this question yet – I have to suggest many different ideas to find some suitable answer ...

At end I have found that the time and distance values equivalence may be found based on the relativistic effects- if there are really relativistic effects in the solar group- so I have written the relativistic effects proves and based on it I write this paper to discuss the time & distance values equivalence proves

Please review

There Are Relativistic Effects In The Solar Group

<http://vixra.org/abs/1903.0565>

2- Methodology

I use the same method in all my papers, The Planet Data Analysis...

Let's explain the idea here again

In Pythagoras triangle we found that $a^2 + b^2 = c^2$, this rule we can conclude from the triangle data if its dimensions are 3, 4 and 5... so the data may show the geometrical rules...similar to that, I use the solar planets data analysis to conclude the main geometrical rules which explain the solar planets origin and motion...

Note please/ we depend on The Data Direction so the data analysis is important process because we need to see if the *Concluded Data Direction* is supported and real one.

Let's use this method to explain the moon orbital motion in following:

Let's Use This Method To Explain The Moon Motion:

Preface:
$$\frac{\text{Apogee Orbital Circumference}(r=0.406\text{mkm})=2.58\text{mkm}}{\text{Moon Orbital Circumference}(r=0.384\text{mkm})=2.41\text{mkm}} = 1.0725$$

Also

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

I suggest that There are Relativistic Effects in the solar group and these effects cause the rate 1.0725 which is found as Lorentz Length Contraction Effect Rate

Based on that, let's explain the previous Equation

28.3 degrees (Neptune Axial Tilt) is the main value (Neptune is The Planets Energy Source) which is contracted by lorentz length contraction effect (by the 1.0725) to produce 26.7 degrees (Saturn Axial Tilt) which also is contracted again to produce 25.2 deg. (Mars axial tilt) and then contracted again to produce 23.4 deg. (Earth axial tilt) so these 4 values are equal – or in fact they are one value only- but the difference is found by relativistic effects (Please review Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>)

The Moon Orbital Motion:

- The moon moves 2.58 mkm daily = Earth motion daily (otherwise they will be separated from each other)
- **If there's no relativistic effects in the solar system, The moon should be seen as a bright stationary point in the sky** because Earth and Moon move by the same velocity.

But

- Because of the relativistic effects this value (2.58 mkm) will be contracted with the rate 1.0725 to produce the value 2.41 mkm (as in 1st Equation)
- So the moon daily motion =2.58 mkm but this value is seen =2.41mkm (because of lorentz length contraction phenomenon)
- The difference between both = 0.17 mkm which causes **The Moon Daily Displacement** (0.17 mkm = 2 x **88000 km**)
- Why the difference 0.17 mkm = 2 x moon daily displacement 88000km? may that occur because of the motions opposite directions.

This theory can answer Why the moon orbital circumference at apogee radius (2.58mkm) = Earth daily motion..... because this circumference express the daily motion...

Please review ...

"The Moon Orbital Motion"

<http://vixra.org/abs/1812.0200>

or

<https://www.slideshare.net/Gergesfrancis/the-moon-orbital-motion>

3- Distance Value can be Used As Time Value

3-1 Data

No Error More Than 1%

Group No. 1

1- Mercury Velocity Daily 4.095 Mkm x 56.88 Days (Mercury rotation Period)= 243M Km

(Venus Rotation Period = 243 days)

2- Mercury Velocity Daily 4.095 Mkm x 346.6 Days (The Nodal Year) = 1433.5 M Km

(Saturn Orbital Distance =1433.5 mkm)

3- Mercury Velocity Daily 4.095 Mkm x 1433.5 Days = 5870 M Km

(Pluto Orbital Distance =5870 mkm)

Mercury uses Saturn orbital distance value(1433.5mkm) as time period (1433.5 days)

Please Note/

This rate (1 day = 1 Mkm) isn't equal to the previous rate we have discussed concerning the Cycle of Precession 25920 years (where the rate was 1 year= 1Mkm)

Also

4- Mercury Velocity Daily 4.095 Mkm x 1205 Days = 4900 M Km (Jupiter Orb. Circum)

(1205 mkm = Saturn Mats Distance)

5- Mercury Velocity Daily 4.095 Mkm x 1375 Days = 5642 M Km (Pluto Mars Distance)

(1375 mkm = Mercury Saturn Distance= Neptune Pluto Distance)

6- Mercury Velocity Daily 4.095 Mkm x 670 Days = 2723 M Km (Pluto Earth Distance)

(670 mkm = Venus Jupiter Distance)

Group No. 2

| Table No.1 The Table uses 1433.5 mkm (Saturn orb. Distance) As 1433.5 Days | 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% |

Group No. 3

7- Earth Velocity Daily 2.58 Mkm x 57.9 days = 149.6 mkm (Earth Orbital Distance)

57.9 mkm = Mercury Orbital Distance

8- Earth Velocity Daily 2.58 Mkm x 629 days = 1622.5 mkm (Uranus Neptune Distance)

629 mkm = Jupiter Earth Distance

9- Mercury Velocity Daily 4.095 Mkm x 57.9 Days= Venus Velocity Daily 3.02 mkm x 78.3 Days = Earth Velocity Daily 2.58 Mkm x 91.7 Days =

(57.9 mkm Mercury orb dis. 78.3 mkm Earth Mars dis. 91.7 mkm Mercury Earth dis.)

10- Venus Velocity Daily 3.02 Mkm x 365.25 days (Earth orbital Period) = $2\pi \times 175.97$ mkm

Mercury Day = 175.97 days

3-2 The Discussion

I- The Main Idea

Let's summarize the main idea in following....

- The Solar Group has Relativistic Effects...

i.e.

- There's a physical point moves with light velocity (approximately) in the solar group and this velocity creates the relativistic effects which we have discussed in the paper (There are relativistic effects in the solar group <http://vixra.org/abs/1903.0565>)
- That creates **2 Different Frames** in the solar group (According To Special Theory Of Relativity)

That means

- What we see as distance value, in fact, works as a time value in the other frame
- **The Solar Group Geometrical Structure Consists Of Both Frames –**
- There's a very important point here – Actually we don't yet understand the solar group geometry basically because we haven't all required data – and we have not this required data because many data is hidden from us – the main difficulty here is created by the scientific research dependency on The Direct Observation only and NOT on the Solar Planet Data analysis – that limited our research capacity to the direct vision – and where we live in one frame and the solar group has (at least) 2 frames – that makes almost around **half of the solar group data** is absent from our scientific research process –
- For the current theory the previous data simply are pure coincidences... and No Try is required to know what's the truth...
- Now the question is ... How to know the truth? By questions answering.... We need to review our current theories... because the situation is stable as if we know the truth but in fact we know very little about the solar group geometry! – I can provide here thousands of unanswered questions just left behind the current theories– and while these questions are still unanswered – the current theory deals with the situation as if we know each geometrical rule in the solar group – even there's no doubt is raised against concepts can't be proved during centuries.

For example

- How the planet orbital distance is defined? By Gravity...!!
- This idea I have disproved by a strong claim in my paper "The Sun Gravity Concept is Unreal (Proves)" <http://vixra.org/abs/1903.0569>
- How the planet is created – through The Big Bang Theory....!
- Also this idea I have disproved in my paper "No Random Process Causes The Solar Group Creation (No Big Bang)" <http://vixra.org/abs/1904.0014>

Let's now start to discuss how to prove that the distance value can be used as time value- and how the solar group depends on this time and distance equivalence

II- The Distance & Time Values Are Exchangeable

Example No. 1 :Mercury Data

I- 5040 seconds x 1.16 million km /sec (a new supposed light velocity) = 5870 mkm

II- Mercury Daily velocity 4.095 mkm x 1433.5 days = 5870 million km

We have 2 Equations to discuss let's start immediately ...

Equation No. I

5040 seconds x 1.16 million km /sec (a new supposed light velocity) = 5870 mkm

- Mercury Day needs 5040 seconds to be 176 days so the value 5040 seconds is known and real value

But

How the light velocity can be =1.16 mkm/sec?

I have brought this value from Jupiter Motion Trajectory- as following:

(1st) Proof

- (Pluto orbital Circumference 36897 mkm) – (Jupiter orbital Circumference 4897mkm) = **=32000 mkm**. now $32000\text{mkm} \times \pi = 100581 \text{ mkm} = 1.16 \text{ mkm/sec} \times 86400 \text{ seconds}$
- So if a light beam with velocity 1.16 mkm travel during **one solar day**, this light beam will pass a distance = **Jupiter –Pluto Circumference x π**

And

- Let's suppose this light beams travel for 2 days –total Energy will be = $2 \times 100581 \text{ mkm}$
- $2 \times 100581 \text{ mkm} = 28255\text{mkm}$ (Neptune orbital circumference) + $2 \times 86400 \text{ mkm}$

For more details Please review

Solar Group Geometrical Structure

<http://vixra.org/abs/1805.0081>

(2nd) Proof

- Suppose There's Energy = 90000 Mkm In The Solar Group
- $90000 \text{ mkm} = 86400 \text{ mkm} + 3600 \text{ mkm}$
- The value 68400 mkm (we have referred to it in the previous proof)

Let's discuss the value 3600 mkm ..Suppose 3600 mkm may = 3600 seconds...

- $3600 \text{ seconds} \times 1.16 \text{ mkm/sec} = 2088 \text{ million km} \times 2$
- 2088 million = Jupiter Uranus Distance and this distance is so important because it's the energy source of the Earth Moon Motion (Specifically The Moon Metonic Cycle 6939.75 days is created by this energy because the light with known Velocity (0.3mkm/sec) will pass the distance 2088 mkm during 6939.75 seconds and The moon moves by this same energy with change in the time rate – will the 1 second in the light motion will be transferred in 1 day in the moon motion
- ($90000 \text{ mkm} = c^2 =$ squared the distance passed by the light for 1 second)

Please review

The Moon Orbit Analysis

<http://vixra.org/abs/1811.0422>

or here

<https://www.slideshare.net/Gergesfrancis/the-moon-orbit-analysis>

Are These Proves Sufficient? Of Course Not.....!

I wish the reader has Mercy on my try to understand...let's try to see better

Why any new rule can be acceptable? Because this rule controls all solar planets, but The vision for which I fight tells that the solar group is one body and each planet is member in this body – so no each planet job is similar to the other planet- so the general rules are very few – of course kepler laws are working for all solar planets but – as any creature body- all members have blood and nerves but not all members have similar forms or jobs – so the general rules should be rare

Now kepler was the happy one who discovered them but we aren't and we have to analyze each planet job to see how this job is suitable for the other planets jobs – to produce at the general one job made by the whole body (the whole machine)

So I can't provide the rule which is followed by all planets- we need to discuss each planet job and geometrical structure to see how this planet works effectively in the whole machine (the solar group general geometrical structure)

So the previous data are specific data for Mercury and they tell us 2 information

(1st) There's a light velocity = 1.16 million km /sec in the solar group

(2nd) The Solar Group Geometrical Structure uses the distance values as time values

What important conclusion we reach here:

- The light motion of 1 second causes Earth Moon motion for 1 day (based on that The Moon Metonic Cycle 6939.75 days is produced) (The light motion causes the moon motion by Energy transpiration from the light to the moon).

Let's discuss Equation No.2 ...

Equation No. II

Mercury Daily Velocity 4.095 mkm x 1433.5 days = 5870 million km

(1433.5 mkm= Saturn orbital distance– This equation uses this value as a time value)

Are we remember Equation No. I

5040 seconds x 1.16 million km /sec (a new supposed light velocity) = 5870 mkm

What's conclusion we may reach here....?

- The light beam whose velocity (1.16mkm/sec) travels from the sun to Pluto in 5040 seconds (which Mercury needs to make his day period = 176 days)
- This same distance – Mercury himself will move during a period = 1433.5 days – this period is the time value of Saturn orbital distance value!
- So **Mercury also (as the moon) follows the light motion**

But we know some interesting data to make this picture even more puzzled – let's write them down here....!

During A Period = 5040 seconds

- | | | |
|-----------------------------------|-------------------------------|----------------|
| a- Mercury moves a distance | = <u>2 Saturn diameter</u> | (Error 1%) |
| b- Mars moves a distance | = <u>1 Saturn diameter</u> | (Less than 1%) |
| c- <u>Saturn</u> moves a distance | = Neptune diameter | (Error 1.2%) |
| d- Pluto moves a distance | = Pluto circumference x π | (Less than 1%) |

Now the reader will ask me **what geometrical reason behind this data?** Beautiful question – if I know I would receive the great Prize in Physics and will be the most famous researcher ever!

Any Way

I have wrote the data here The reader can't claim that this data is found by Pure coincidence...we know that's incorrect... we know **there's a geometrical connection in** the previous data.... But I'm not very intelligent to catch the idea

Now the reader is more intelligent than me and he will try – and I keep my right in the prize – because I have provided the data...

After the fighting... what we have here? two important conclusions

The Conclusions

- Mercury uses the value 1433.5 million km as 1433.5 days
- Mercury and the moon motions are found following light beams motions

That may tell us ...

- The planet motion followed the light beam motion – that means any planet motion is found to follow a light beam found connect with this planet and moves in front of the planet where the planet followed the light beam on different rate of time

The most important conclusion is

The Different Rate Of Time

Because the solar group geometrical structure in fact depends greatly on this feature The structure depends on that there are different rates of time in the solar group

And why this conclusion is important one?

Because By This Way The Geometrical Structure Can Concentrate The Energy-

Let's discuss one example here

(10921 km) the moon circumference x 27.3 (the moon orbital period 27.3days) = 300000 km (Light Motion For 1 Second)

The previous equation tells us – if the moon rotates around his axis once daily so during his orbital period – the moon will move a distance = light motion for 1 second.

Let's see one more equation

(10921 km) the moon circumference x 86400 seconds (solar day) = 940 mkm
(940 mkm = Earth orbital Circumference)

The equation tells us that – if Earth revolves around the sun one complete revolution in one day only – so the moon circumference will a distance = 1 second of Earth motion..

The value (1 second) is repeated in both equations – again I don't know the geometrical structure behind but I see clearly that we go in the right way – the moon data tells there's specific relationship between the moon and the light motions!

But we need more intelligent person to catch the hard idea...

We should complete this discussion in another paper – any way the key is at Saturn

For more detailed discussion I recommend strongly the paper

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

Saturn is the most important Planet in the solar group- Saturn has the secret – please review patiently the previous table No. 1 (page No. 4)

And for more interesting Data please review

Why Saturn Orbital Distance = Saturn Uranus Distance?

<http://vixra.org/abs/1904.0108>

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<http://vixra.org/abs/1902.0044>

or

https://www.academia.edu/38285624/Gerges_Francis_Tawdrous_Curriculum_Vitae_.doc

or

<https://www.slideshare.net/Gergesfrancis/gerges-francis-tawdrous-curriculum-vitae>

Author Other Papers

How the Solar Group is Created? (Discussion No. 1)

<http://vixra.org/abs/1904.0051>

No Random Process Causes The Solar Group Creation (No Big Bang)

<http://vixra.org/abs/1904.0014>

Does Mars Fit his Position Is The Solar Group? Why Not?!

<http://vixra.org/abs/1904.0009>

There Are Relativistic Effects In The Solar Group

<http://vixra.org/abs/1903.0565>

The Sun Gravity Concept is Unreal (Proves)

<http://vixra.org/abs/1903.0569>

Does Earth Velocity Causes The Eclipse Phenomena? (T.S. Eclipse III)

<http://vixra.org/abs/1903.0489>

Why We See the Sun Disc = the Moon Disc? (T.S. Eclipse II)

<http://vixra.org/abs/1903.0322>

Why The Solar Planet Motion Trajectory is An Ellipse?(revised)

<http://vixra.org/abs/1902.0291>

Is the 2737 Phenomenon a Real One?

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

The Moon Orbit Triangle

<http://vixra.org/abs/1901.0082>

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