

The Unit Definition Is Relative
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Abstract

This Paper provides a new claim as following:

1- The Unit Definition Is Relative

that means

Value as – one kilometer - one hour - one degree or one liter...etc- all such values and units are defined based on the observer position and situation

That means

What we see as a time value can work in another place as a distance value

And

What we see as a degree value can work in another place as a distance value

2- The Energy Different Types Depend On This Same Concept.

Why Energy has different types? The energy gives energy whatever its form (oil-wood- electricity – magnetism – nuclear...etc)

The result of all these forms are similar approximately – so why there are different types for the energy?

Because of the observer position and situation

This paper tries to discuss and prove this fact

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1- Introduction

We complete our discussion in the paper

Uranus Is Perpendicular on Earth Moon Orbit

<http://vixra.org/abs/1906.0316>

What we try to do here ?

I try to prove that there's a relationship between Uranus and Earth Moon Orbit!

This hypothesis should be refused immediately because of the gravity effects on distances...

But

I have argued against the sun gravity concept....

The sun gravity concept is unreal <http://vixra.org/abs/1903.0569>

Now let's return to our hypothesis.. How and Why Uranus can effect On The Moon Orbit? How to prove that...

I use the planet data analysis but is this method sufficient...?

Let's test it in the following Example

Example (1):

The Moon rotates a cycle called Metonic Cycle (this cycle continues for 19 sidereal years= 6939.75 days) – this cycle is found because the moon orbit regresses yearly 19 degrees completing the full revolution in 19 sidereal years- during this cycle the moon doesn't pass by the same place 2 times-

Now let's see some data in following.....

6939.75 days (Metonic Cycle Period) = 19 x 365.25 days (Sidereal Year)
= 20 x 346.6 days (Nodal Year)
= 235 x 29.53 days (lunar Synodic Year)

Let's analyze the data...

Sidereal Year is produced by Earth Motion

Nodal Year is produced by The Moon Orbit Motion

Lunar Synodic Month is produced by The Moon Motion

Why These Three Motions Are In Harmony And Provide Complete Cycles With Metonic Cycle?

As usual ...the current theory answers with one sentence "Planet Data is created by pure coincidence".... This answer is used when we try to know why Saturn diameter =120536km? or Why Earth Circumference =40080km?... "Pure coincidences"!

Let's use another example to see much better

Example (2):

During the period 6939.75 days (Metonic Cycle Period)

- Earth moves a distance = 18000mkm = Uranus Orbital Circumference
- Mercury moves a distance = 28000mkm = Neptune Orbital Circumference

-
- Saturn moves a distance = 5816 mkm = Mercury Pluto Distance
 - Pluto moves a distance = 2817 mkm = Mercury Uranus Distance

Why Earth moves during Metonic Cycle a distance = Uranus orbital Circumference?
Pure Coincidence!

The problem becomes clear now....

The concepts which we keep by heart -in fact- don't explain how the planet data is created – simply we can't use the planet data at all!

What idea I want to insert here?

I suggest that there's a relationship between Uranus and Earth Moon Orbit and by analyzing this relationship I want to examine Uranus Position in The sky because I don't want to depend on the direct observation only to define the planet position in the sky rather I want to find a theoretical method to define the planet position.

From this process may I prove that Uranus is Perpendicular on The Moon Orbit

I want to prove that through the planets data analysis – but the current theory doesn't understand the planet data and doesn't tell us if we analyze the data correctly or not – simply we move without a supervisor ...!

Earth moves during Metonic Cycle a distance = Uranus orbital Circumference that means Uranus Orbital Distance = 19 times Earth Orbital Distance where Metonic Cycle is 19 Sidereal years.....

Is there any relationship between these 19 years and 19 times?!

But

Earth Orbital Distance = 365.25 times The Moon Orbital Circumference (Apogee)
and

Earth Orbital Period= 365.25 days Is there any relationship between these 2 values of 365.25?

Let's Summarize The Idea Here..... if a planet has diameter =12 km and orbital period =12 days and orbital inclination=12 degrees and orbital distance =12 million km and axial tilt = 12 degrees.... In this case the current theory sees these data independent from each other and the values are found similar because of pure coincidences- and no one thinks that **The Unit Definition May Be Relative!**

What we seek for?

We try to answer **How The Planet Data Is Created?** We use Metonic Cycle as a discussion point– but- in fact – we analyze the Planet Data and try to see based on what this data is created – and by this discussion we may support the proves that Uranus is perpendicular on the Earth Moon Orbit.

2- Methodology

We have discussed it in the previous paper in more details...

3- Metonic Cycle Analysis

3-1 The Unit Definition Is Relative

3-2 Metonic Cycle Data

3-3 Metonic Cycle Discussion

3-1 The Unit Definition Is Relative

Let's use a simple approach for this discussion...

Mercury Orbital Circumference = 360 million km = 360 degrees

That means

1 degree = 1 million km

Based on that the units mkm and degrees will be exchangeable... we can use any unit in place of the other unit...(for Mercury Orbital Circumference)

But

I claim that the solar group is one machine and each planet is a gear in this same machine – what does that mean? imagine we have a machine has many gears- one gear of it moves with a rate 1 mkm = 1 degree – so this rate can be transported to any other gear – so the rate 1 mkm = 1 degree is a rate used in the solar group

Let's use another example

The moon orbit regresses 19 degrees yearly (to rotate Metonic Cycle in 19 S. years)

This regression causes the calendar to regress by 19 days yearly

So 1 degree = 1 day – this rate is used by the moon orbit

If the solar is one machine – so this rate will be used for the whole machine –

So

If we use Mercury rate with the Moon orbit rate the result will be

$$\mathbf{1\text{mkm} = 1\text{ degree} = 1\text{ day}}$$

This rate is used in the solar group (and there are many similar rates in it)

What does that mean?

That means we see the unit according to our position (the observer situation) – the unit is not a defined by itself – it's defined by the observer position –

i.e.

what we see as a time value can be working as a distance value in another place and

what we see as a degrees can work as distance in another place...!

That because

The solar group is one machine – or one building – or one geometrical structure- and that means the solar group needs to unify the planets in one body – so each planet should cooperate with the other planets – as in any living creature – one member works as a hand but the other works as a leg – that's the same –

The planets cooperation force the data to be flexible in using to perform the final geometrical structure that's why the unit definition is relative

Let's use some data to prove this idea

Data

- (4.095 mkm) Mercury Velocity Daily x 346.6 days (Nodal Year) = 1433.5 mkm (= **1433.5** mkm Saturn Orbital Distance)

But

- (4.095 mkm) Mercury Velocity Daily x **1433.5 Days** = 5870 mkm (Pluto Orbital Distance)

The previous Equation tells us that – the value 1433.5 mkm = Saturn orbital distance – can be used – as 1433.5 days – that means – the time value can be used as distance value – someone may claim this are pure coincidences of numbers... So let's see the following

Table No.1	error
-1433.5 days x Mercury velocity daily 4.095 mkm = 5870 mkm Pluto Orbital Distance	0
-1433.5 days x Venus velocity daily 3.02 mkm = 4329 mkm Venus Neptune Distance	0
-1433.5 days x Earth velocity daily 2.58 mkm = 3699 mkm Jupiter Neptune Distance	0
-1433.5 days x Mars velocity daily 2.082 mkm = 2984.5 mkm Uranus Pluto Distance	0
-1433.5 days x Jupiter velocity daily 1.1318 mkm = 1622.4 mkm Uranus Neptune Distance	0
-1433.5 days x Saturn velocity daily 0.838 mkm = 1201 mkm Mars Saturn Distance	0.3%
-1433.5 days x Uranus velocity daily 0.5875 mkm = 842 mkm	
-1433.5 days x Neptune velocity daily 0.4665 mkm = 670 mkm Venus Jupiter Distance	0
-1433.5 days x Pluto velocity daily 0.406 mkm = 582 mkm Mercury Earth distance*2Π	1%

Simply the table uses 1433.5 days with all solar planets real velocity daily- and all planets produced real distances **Except Uranus**

Let's try to see deeply as possible...what we have here

- (1) A distance value is used as time value

What the table results prove?

- (2) It proves that the value 1433.5 days is a real value in the solar group geometrical structure...Why? Because the produced distances are real- and if the solar group is one machine as I claim – that means – the planets data is produced by planets dependency on each other – and this table is a form of this dependency forms – **Shortly** – Because Saturn orbital distance =1433.5 mkm – So Pluto orbital distance = 5870 mkm – and based on this explanation all other data is produced.

I have discussed that in my previous paper

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

Conclusion

The Unit Definition is relative and depends on the observer position

3-2 Metonic Cycle Data

Data Group No. 1 (Uranus Axial Tilt =97.8 degrees)

1. Uranus Axial Tilt $97.8 \text{ deg} \times 71 = 6939.75 \text{ deg}$ (Metonic Cycle=6939.75 days)
2. 2872.5 m km (Uranus Orbital Distance) = $97.8 \text{ mkm} \times 29.37$
(**Note(a)**) Light (0.3mkm/sec) travels during 97.8 seconds a distance = 29.37 mkm)
3. Pluto Axial Tilt $122.5 \text{ deg} \times$ Uranus orbital inclination $0.8 \text{ deg} = 97.8 \text{ deg}$ Uranus Axial Tilt
(**Note (b)**) 122.5 deg. (Pluto Axial Tilt) = $7.1 \times 17.2 \text{ deg}$ (Pluto orbital inclination)
(**Note (c)**) $86400 \text{ mkm} = (71)^2 \times 17.2$ (Pluto Orbital Inclination= 17.2 deg)
4. Uranus Axial Tilt $97.8 \text{ deg} = 19 \times$ the moon Orbital inclination 5.1 deg .
(**Note (d)**) 17.2 deg (Pluto orbital inclination) $\times 19 = 327.6 \text{ deg}$
(**Note(e)**) supposed Light velocity (1.16 mkm/sec) travels during 97.8 seconds a distance = 113.45 mkm)

Data Group No. 2 (The Rate 99%)

5. 17.4 deg. (Inner Planets Orbital Inclinations Total) $\times 0.99 = 17.2 \text{ deg}$ (Pluto orbital inclination)
6. 23.6 deg. (Outer Planets Orbital Inclinations Total) $\times 0.99 = 23.4 \text{ deg}$ (Earth Axial Tilt)
7. $(180/2\pi) = 28.66 \text{ deg}$ (But $28.66 \text{ deg} \times 0.99 = 28.3 \text{ deg}$ (Neptune Orbital Inclination)
8. 5092 mkm (Jupiter Pluto Distance) $\times 0.99 = 5040 \text{ mkm} = (71)^2$
9. 2088 mkm (Jupiter Uranus Distance) $\times 0.99 = 2067 \text{ mkm}$
(**Note(f)**) $5092 \text{ days} \times 0.406 \text{ mkm}$ (Pluto velocity daily) = 2067 mkm
(It means Pluto during 5092 days moves 2067 million km)

Data Group No. 3 (2088 mkm Jupiter Uranus Distance)

10. (Remember) light with velocity 1.16 million km/second (supposed) travels a distance = 2×2088 mkm (Jupiter Uranus Distance) during 3600 seconds (Main Equation)
11. (Remember) light with velocity 1.16 million km/second (supposed) travels a distance
12. Light (0.3 mkm/sec) travels during 6939.75 seconds a distance = 2088 mkm = Jupiter Uranus Distance –
(**Note** Light (0.3 mkm/sec) travels during 2088 seconds a distance = 627 mkm = Earth Jupiter Distance) i.e. **$6939.75 \times c^2 = 627$ mkm**
13. Jupiter Uranus Distance 2088 mkm = $(71)^2 \times 0.406$ mkm (Pluto velocity daily 2%)
14. 511.1 days \times 4.095 mkm (Mercury Velocity Daily) = 2093 mkm (Jupiter Uranus Dis.)
(**Note(g)** 511.1 degrees = solar planets axial tilts total).
(**Note(h)** 511.1 degrees = 17.4 deg (inner orbital inclinations total) \times **29.37**)

Data Group No. 4 (Metonic Cycle=6939.75 days)

15. Uranus axial tilt 97.8 deg. \times Neptune orbital inclination 1.8 deg = 175.94 deg² (Mercury day period = 175.94 solar days)
16. Metonic Cycle 6939.75 days = 58.66 days Mercury rotation period \times 118.3 degrees (Neptune Axial Tilt At Vertical 118.3deg = 28.3 +90)
17. Metonic Cycle 6939.75 days = 243 days (Venus rotation period) \times 28.6363 degrees (Neptune axial tilt)
18. (Remember) 6939.75 = 97.8 Uranus axial tilt \times 71 (contraction rate) = $(71)^2 \times 1.392$
19. Earth during 6939.75 days moves 18000mkm = Uranus Orbital Circumference

Data Group No. 5 (Uranus effect on the Moon Data)

20. (Remember) Neptune Orbital Inclination 1.8 deg \times Uranus Orbital Inclination 0.8 deg = 1.44 degrees (The moon orbit regresses monthly 1.44 degrees)
21. Uranus Axial Tilt 97.8 degrees = 5.14 deg. (Moon orbital inclination) \times 19
22. Uranus Orbital Period 30589 days = (Nodal year 346.6 days \times 88) + 88
(Note 88 days is Mercury Orbital Period- that means each nodal year = 1 day in Mercury orbital period and after the cycle be completed one mercury orbital period (88 days) should be added to complete the period) – this system isn't artificial at all – for example Metonic Cycle 6939.75 days = Saros Cycle 6585.39days + lunar synodic year 354.36 days (means the greater cycle consists of addition many small cycles)

(**Please Note**... The Data is huge but I have chosen the previous small part only to help the explanation without confusion)

3-3 Metonic Cycle Discussion

The previous data is around 20 equations and it's impossible to explain all of them here- let's discuss the main concept behind all this data and try to explain some examples of it...

Why did I provide this Data?

To see this data in more clear light we need 2 steps – first step, to which I have referred before – that we have to avoid the unit – we should deal with the number and not with the unit – basically because the unit is defined based on the observer position...

Second step- we need to read this data many times- the data shows the solar group geometrical rules about which we know nothing and that's why this data is a pure treasure

Let's discuss Group No. 2 (The Rate 99%)

What does this tell us? how to understand it?

Frequently we have 2 values let's call the A & B where

$$\underline{A = 0.99 B}$$

Why?

It's one of the solar group geometrical rule – I don't know yet how A&B related to each other but the repeating rate tells that there's some geometrical rule here

Let's see one equation (No.5)

Equation No. 5

17.4 deg. (Inner Planets Orbital Inclinations Total) x 0.99 = 17.2 deg (Pluto orbital inclination)

Let's – shortly- try to explain it –

17.4 degrees = 7 deg (Mercury orbital inclination) + 3.4 deg (Venus orbital inclination) + 5.1 deg. (The moon orbital inclination) + 1.9 deg (Mars orbital inclination).

How this value 17.4 deg can be related to Pluto orbital inclination (17.2 deg)? I don't know – but the rate 0.99 – is repeated frequently – we can't consider that's occurred only by pure coincidences- surely there's some geometrical reason behind-

This small discussion supports greatly the claim that – the solar group is one machine – or one building – or one geometrical structure....

Based on this small discussion – easily we release ourselves from the gravity effect on distances and we open our vision for more relationships between the planets far from the gravity and classical unproved concepts-

We should see the power which we use here – we should see why we are in the right way even if we move against many classical theories – that because we move with the planet data – and this is the main power in the solar group- the planet data can tell easily how the planet is created and move – we here don't discuss the theoretical ideas of gravity and big band theory – we here deal directly with the planet own body and we examine this body to see how it's built and how it's moving...

Let's discuss Group No. 1

Data Group No. 1 (Uranus Axial Tilt =97.8 degrees)

Please read the data in Group No. 1 patiently....

It's incredible to see the number repeated in different forms and consider all these forms are found basically as pure coincidences

It's the solar group geometrical structure which uses this data in different forms –

Let's refer shortly to each equation in group No. 1

Equation No. 1

Uranus Axial Tilt $97.8 \text{ deg} \times 71 = 6939.75 \text{ deg}$ (Metonic Cycle=6939.75 days)

We have discussed that the rate 71 is found as Length Contraction Effect Rate

And I have suggested that the unit definition is relative – that means the value 6939.75 degrees (mkm) can be contracted to be 97.8 mkm (degrees) based on length contraction effect with rate 71 (this rate produced by $v=0.9999c$ as we have discussed)

What does that mean?

The energy 6939.75 seconds is contracted in 97.8 seconds which we see as 97.8 degrees (Uranus Axial Tilt)

Now ...Let's start one great play..... light beam (velocity 0.3 mkm/sec) travels during 97.8 seconds a distance 29.37 mkm But ... $97.8 \times 29.37 = 2872.5 \text{ mkm}$ (Uranus Orbital Distance) – I have no explanation... but who dare to claim that's pure coincidence..?!

Again the simple discussion tells the planets are created depending on each other- So the planets data is NOT independent and by that we have new vision about the solar group...

Equation No. 3

Pluto Axial Tilt $122.5 \text{ deg} \times$ Uranus orbital inclination $0.8 \text{ deg} = 97.8 \text{ deg}$ Uranus Axial Tilt

(Note (b)) $122.5 \text{ deg. (Pluto Axial Tilt)} = 7.1 \times 17.2 \text{ deg (Pluto orbital inclination)}$

(Note (c)) $86400 \text{ mkm} = (71)^2 \times 17.2 \text{ (Pluto Orbital Inclination)=17.2 deg}$

Equation No. 3 tells us that – Pluto & Uranus Axial Tilts are depending on Each other I don't know why – but I know there's a strong relationship between Earth and the moon on one side and Pluto on the other side – so If Uranus has any relationship with the moon that means – Uranus must have a relationship with Pluto also – means there's one relationship connects Uranus with the moon with Pluto with Earth and with Jupiter- It's hard to understand but the data is stronger than our refuse

Equation No. 4

Uranus Axial Tilt $97.8 \text{ deg} = \underline{19} \times$ the moon Orbital inclination 5.1 deg .

(Note (d)) $17.2 \text{ deg (Pluto orbital inclination)} \times \underline{19} = 327.6 \text{ deg}$

(Note(e) supposed Light velocity (1.16 mkm/sec) travels during 97.8 seconds a distance =113.45 mkm)

I wish it's clear before our eyes – that the moon data is related to Uranus Data – for example Uranus axial tilt 97.8 deg = the moon orbital inclination 5.14 deg x 19 why 19? Please remember Uranus Orbital Distance = 19 x Earth Orbital Distance – and Metonic Cycle is 19 S. years we can easily see the numbers repeated frequently to support one clear direction of Data

The claim that this data is created by pure coincidences is a very weak claim and is seen clearly as illogical claim – again we should release ourselves from these lies – we should search strongly to know the real reasons behind this data...

We should complete this discussion in another paper...

Just I want to say that – the provided Data in this paper is a great treasure may help the researchers to perform a good progress in our solar group geometry understanding

References

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