Is There A Contradiction In The Physics Book?

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Abstract

I claim there's a contradiction in the physics book, let's explain it:

Lorentz Transformations Effect

Lorentz Transformations tell us that, Particle data is created relative to its motion, basically because Particle mass and length are changed because of particle high velocity motion…

If Lorentz length contraction is a real effect on particle own nature or just illusion of measurements! This question we have discussed before- and we have found that- Lorentz Length Contraction is a real phenomenon effects on Particle own nature similar to Particle mass increasing as a result of high velocity motion

The previous consideration we have adopted for the next reasons:

(1) The measurements show this contraction and in physics what's measured is what's real

(2) If we consider the length contraction is an illusion of measurements, that tells Particle properties correct definition is found when no difference in motions velocities between me and this particle, which supposes that **I'm The Universe Reference Point** – that's similar to a person looks at mirror – which pushes us to refuse the claim that the contraction is an illusion of measurement

Conclusion

 I. Lorentz Length Contraction is a real phenomenon effects on Particle own length

II. Particle Data is created relative to this particle motion

The last conclusion leads us to a contradiction with Newton mechanics

Newton had interpreted Planet motion based on the masses gravity between this planet and the sun – So Planet Mass is the reason of its motion

But Lorentz transformation tell us that – Particle Data (and mass) is created based on this particle Motion…!

i.e.

Planet Motion – according to Lorentz Transformation- must be the reason of Planet Mass – so Planet doesn't move by Masses Gravity – because planet mass is created depending on its motion which tells that Planet motion is found before any other planet data! **So how does planet move?**

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1- Introduction

Let's remember Lorentz Transformation in following:

$$m = \frac{m_0}{\sqrt{1 - (v^2/c^2)}}$$

$$T = \frac{T_0}{\sqrt{1 - (v^2/c^2)}}$$

$$\gamma = \frac{1}{\sqrt{1 - (v^2/c^2)}}$$

Are lorentz transformations real effects occurred for Particle own nature or just illusion of measurements?
We have discussed this question frequently before – please review

Lorentz Length Contraction Is A Real Phenomenon & Not Illusion Of Measurements
http://vixra.org/abs/1911.0468

we can't accept the claim that – Lorentz length contraction is an illusion of measurements – as stated before - simply it's a real effect on particle own nature
also the mass increasing must be similar to that – it's a real effect on particle

How the matter (or mass) is created?
Lorentz Transformations as science depends on empirical and theoretical basics tell us that particle data is defined based on this particle motion

Lorentz vision – as I concluded - was that

"The Matter Must Be Created Of Electromagnetic Waves Or At Least The Matter Creation Depends On Electromagnetic Waves"
That explains why particle data changes with its motion

In this paper we have 2 questions
1st question
Is Particle data created relative to its motion?   (Point No. 3)

2nd question
How does the planet move?   (Point No. 4)

2- Methodology (Methodology Is Repeated In All My Papers) It's written in

Why Don't We Understand The Solar System Geometry?   http://vixra.org/abs/1911.0018

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3- Lorentz Transformations Consideration

3-1 How the physics books explain Lorentz Length contraction?

3-2 Lorentz Length contraction is a real phenomenon

3-1 How the physics books explain Lorentz Length contraction?

(1st Reference) -Mechanics -Berkely Physics Course Volume 1

Page No. 330-331 (last Paragraph)

This is the famous Lorentz-Fitzgerald contraction of a rod moving parallel to its length with respect to the observer. One may worry at this point whether the rod has "actually contracted." **Of Course Nothing Physical has happened To The Rod,** but the process of measurement in the moving frame has given a different result. For a discussion of the figures of rapidly moving objects as photographed with a camera, see the excellent review by Weisskopf. It has been shown, for example, by calculation of trajectories that a moving sphere will photograph as a sphere and not as an ellipsoid.

(2nd Reference)

University of Nebraska - Lincoln

An Introduction to the Special Theory of Relativity- Robert Katz- **Page No. 36**

Is the moving rod really contracted in its direction of motion? Is time really dilated? These questions depend on what is meant by really. In physics what is real is identical with what is measured.

There is no way to assign properties to a rod or to a clock or to an electron except through measurement. **In This Sense The Phenomena We Have Discussed As Time Dilation And The Lorentz Contraction Are Real.**

(3rd Reference)

Costas Christodoulides

The Special Theory of Relativity Foundations, Theory, Verification, Applications

Page 70 – **Last Paragraph**

It Must Be Understood That Nothing Happens To The Rod Due To Its Motion Which Causes Its Contraction. There is no change in its atomic structure, for example. The difference in the results of the measurements of the length in the two frames of reference may be understood if we examine the moments in time at which the measurements were made, as these are observed in the two frames of reference. In frame S′, the measurements at the points x0 A and x0 B were both performed at time t_0.

The times at which the measurements were seen to be performed in frame S, are, respectively,

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(4ᵗʰ Reference)

The Special Theory Of Relativity- Lecture Notes prepared by J D Cresser
Department of Physics- Macquarie University-

Page 22

This phenomenon is known as the Lorentz-Fitzgerald contraction. It is not the consequence of some force 'squeezing' the rod, **But It Is A Real Physical Phenomenon With Observable Physical Effects**. Note however that someone who actually looks at this rod as it passes by will not see a shorter rod. If the time that is required for the light from each point on the rod to reach the observer's eye is taken into account, the overall effect is that of making the rod appear as if it is rotated in space

(6ᵗʰ Reference)

Albert Einstein Book
Relativity: the special and the general theory

Translated by robert w. lawson, University of Sheffield Introduced by nigel calder

Page No. 49

If we now assume that the relative distances between the electrical masses constituting the electron remain unchanged during the motion of the electron (rigid connection in the sense of classical mechanics), we arrive at a law of motion of the electron which does not agree with experience. Guided by purely formal points of view, H. A. Lorentz was the first to introduce the hypothesis that the form of the electron experiences a contraction in the direction of motion in consequence of that motion, the contracted length being proportional to the expression

$$\sqrt{1 - \frac{v^2}{c^2}}.$$

This hypothesis, which is not justifiable by any electrodynamical facts, supplies us then with that particular law of motion **Which has Been Confirmed With Great Precision In Recent Years**.

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3-2 Lorentz Length contraction is a real phenomenon

We consider Lorentz Transformations real effects occurred for Particle own nature for reasons – let's review them here

(1) The measurements show this contraction and in physics what's measured is what's real

(2) If we consider the length contraction is an illusion of measurements, that tells Particle properties correct definition is found when no difference in motions velocities between me and this particle, which supposes that **I'm The Universe Reference Point** – that's similar to a person looks at mirror –

For the previous reason we should refuse the statement that "No change is occurred for particle own nature" NOT True – Particle data is changed already by motion.

Lorentz Transformations Meaning

The theoretical meaning behind Lorentz Transformation is clearly that

"The Matter Must Be Created Of Electromagnetic Waves Or At Least The Matter Creation Depends On Electromagnetic Waves"

Lorentz provides a great change in our vision toward the universe around – the question is the same–How the matter is created? How does any planet define its data? Lorentz released us from the ancient concept that the matter is found independent and eternal in the universe…

On the contrary – he tells us that – Particle Data is created because of some reason – Particle motion effects on this particle data –

We are so crippled and restricted with Newton Gravity Concept which needs planet mass to be independent from Planet motion to perform this motion – Lorentz tells us that this vision is incorrect –

The matter is created of electromagnetic wave or at least depend on it – and because of that – particle data is a function of its motion velocity

The particle data change provides more puzzles! Where we can't see its consistency. Why these specific 3 data (length, mass and time) should be changed because of the higher velocity motion?!

Also we don't understand the reason of length contraction…

Because we can't see the data direction!

If we accelerate a particle, so we provide energy to this particle, so logically this particle mass may be increased because the particle own energy is increased

But why the length is contracted? The particle has more energy, means, it should have more mass, more volume and increasing in particle different data….so the particle length should be longer and not contracted…. !

Conclusion

Particle Data Is Created Relative To This particle Motion (Because particle is created of electromagnetic wave or at least depends on it)

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4- How Does The Planet Move?

4-1 preface
4-2 The Main Idea
4-3 The Idea Proves

4-1 Preface

I suppose the matter universe is created of electromagnetic waves
That means
The matter and particles are created from electromagnetic waves

Similar to that – The Double Production Experiment –

From Gamma rays (1.2 Mev) – an electron and position are created – so 2 particles are created from Gamma rays –
How do these electron and positron move?
Based on their charges produced in the process….

I try to show that
The motion was a companion with the energy – when the energy was in Gamma rays it travels freely as any electromagnetic wave – and when this energy be seen in electron and positron forms the energy created reason for these 2 particles to move – the motion here doesn't depend on any particle data but created to be suitable to this particle data – so if this electron will be change to be a planet – this planet will move by masses gravity forces
The motion isn't result of any particle property but the energy creates for the particle the suitable reason for its suitable motion…

This is similar to a human heart (as example)
With the small baby the heart works – and with the age human the heart still works – different forms for the work states but the work doesn't stop

The motion is the energy property - when this energy be in electromagnetic wave – the wave travel easily and when the energy be in particle form the energy will create the suitable property for this particle to move
The motion is the universe life secret
No particle or creature can be found without motion….
That's the cocnpet which we have concluded from long time ago

Conclusion
The matter is created based on a motion and without motion the matter will be perished

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4-2 The Main Idea

Let's summarize the idea in following:

❖ The universe is created of (electromagnetic wave) Light Beam Energy – This light beam velocity =1.16 mkm/sec (I call is "light supposed velocity 1.16 mkm/sec")

❖ This light supposed velocity provides the required energy to create the matter and the light known velocity (0.3mkm/sec) is produced as a companion of matter creation process (that's why $E=mc^2$)

❖ The energy of the supposed light velocity (1.16 mkm/sec) transports the motion from planet to another through the solar system

i.e.

❖ The motion is found already before any planet creation

❖ The light supposed velocity (1.16 mkm /sec) starts from Pluto – as the following data will show

Please review

There's A Light Beam Travels With 1.16 mkm per sec
http://vixra.org/abs/1904.0236

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4-3 The Idea Proves

I- **The Solar System Is A Continuum**

The solar system is created of electromagnetic waves which enable it to be a continuum

This idea depends on the following 5 hypotheses

- *No.1:* Solar System is One building, each planet is a part of it
- *No.2:* The Solar Planets move together as carriages in one train
- *No.3:* Planet motion for 1 solar day depends on energy of light motion for 1 second
- *No.4:* Solar System Unified Motion depends On Solar Day Period
- *No.5***:** Matter is created depends on its motion.

My Research Hypotheses   http://vixra.org/abs/1909.0406

II- One Equation Control All Solar Planets Data
$$F(z) = 2x + 1y$$

1.16 million = 0.406 mkm + 0.377 mkm x 2

1.16 mkm   = light motion distance for 1 second
0.406 mkm = Pluto motion distance for 1 solar day
0.377 mkm = Saturn Circumference

Examples

(1)

$$\frac{\text{Jupiter diameter}}{\text{Saturn diameter}} \quad \frac{142984\,\text{km}}{120536\,\text{km}} = \frac{2\pi}{2\pi - 1}$$

(2)

2 Jupiter Circumferences - 2 Saturn Circumferences = 1 Jupiter Diameter (error 1.3%)

(3)

(Jupiter Diameter)^2 + (Saturn Diameter)^2 = (0.5 Saturn Circumference)^2 (1.2%)

(4)

2 Jupiter Diameters + 1 Saturn Diameter = Solar Planets Diameters Total   (No Error)

(5)

Saturn Diameter – Jupiter Radius = Neptune Diameter x 0.99   (No Error)

For Details Please Review

Why Jupiter diameter =142984 km   http://vixra.org/abs/1907.0137

Why Jupiter Diameter =142984 km (2)? (Revised)   http://vixra.org/abs/1907.0321

Why Jupiter Diameter =142984 Km? (3)   http://vixra.org/abs/1907.0377

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III- Light supposed Velocity and Pluto Data

Let's review the main idea in following:

- Light with velocity 1.16 mkm/sec travels for 1 second only

- This light motion energy causes a planet to move for 1 solar day

- (Specifically) Light Motion for 1 second causes Pluto to move 1 solar day

- Pluto moves during a solar day a distance 406000 km

- Pluto motion for 1 solar day causes Solar Planets Creation Process

- That's why Pluto Motion Daily =406000 km = Solar Planets Diameters Total

Based on this description …

$$A = \frac{\text{Light Motion For 1 Second (velocity 1.16mkm/sec)}}{\text{Pluto Motion for 1 solar Day (velocity 0.406mkm/ day)}} = 2.85714$$

The description tells us that

The Rate (**A=2.8571**) Controls Solar Group Basic Data

Matter Creation Principle (Part V)   http://vixra.org/abs/1908.0367

Matter Creation Principle (Part IV)   http://vixra.org/abs/1908.0289

Matter Creation Principle (Part III)   http://vixra.org/abs/1908.0257

Matter Creation Principle (Part II)   http://vixra.org/abs/1908.0206

Matter Creation Principle   http://vixra.org/abs/1908.0196

Let's see the effect of this rate (A= 2.8571) on the soalr system geometry in following:

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Solar Group Main Rate

Table No.1	**The Rate = A = 2.857= (1.16/0.406)**		
The Rate between 2 Values		= A	Error
((1.16 mkm/sec) – (0.3mkm/sec))/ (0.3mkm/sec)=		= A	
Solar Planets Masses Total / 0.5 Jupiter Mass=		= A	1%
Planets Diameters Total 366550 km/ Jupiter Diameter 142984 km=		= A	
Jupiter Diameter 142984 km / Neptune Diameter 49528 km =		= A	
Mars Diameter 6792 km / Pluto Diameter 2390 km=		= A	
25920 mkm /9010 mkm (Saturn orbital circumference)=		= A	
655 mkm (Jupiter Saturn distance) /227.9mkm (Mars orbital distance) =		= A	
5906 mkm (Pluto Orbital distance) /2088 mkm (Jupiter Uranus Distance)=		= A	1%
Saturn diameter 120536 km/43000 km (moon motion freedom)		= A	
Outer Planets Axial Tilts Total 278.4 deg / Uranus axial tilt 97.8 deg		= A	
41 deg (planets orbi. inclinations total) x 2/ Neptune axial tilt 28.3 deg		= A	1.4%
511.1 deg (planets axial tilts total) / 180 deg		=A	0.6%
Neptune axial tilt vertically 118.3 degrees /41deg (planets orbi. inclinations total)=		= A	1%
Neptune Axial Tilt 28.3 degrees /π^2		= A	
Earth Moon Orbi. Inclination 5.1 deg/1.8 deg Neptune orbi. Inclination		= A	0.7%
(7 deg= Mercury orbi. Inclination)^2/ (17.2deg Pluto orbi. Inclination)		= A	
177.4 deg (Venus Axial Tilt) /$2\pi^3$=		= A	

Discussion

The previous data shows clearly that the rate (A) controls solar group main and total values …. Here I need to explain only the row no. 6

Saturn Diameter 120536 km/ 43000km (moon motion freedom) = A

Why these 2 values are related to each other?

Saturn Circumference = 378000km = Earth Moon Distance (At Total Solar Eclipse Radius)…means – this equation is a summarized for the original one which is:

Earth Moon Distance (T S Eclipse Radius) / moon free. motion circumference = A

Note Please / moon free motion distance = 43000km= the distance from perigee to apogee, And because we use Saturn Circumference = Earth Moon Distance at TS Eclipse radius- so we use the circumference of distance 43000 km x π=135088 km –

Based On That The Rate A Controls 2 Relative Distances To Each Other

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