

## Does The Observation Process Effect On The Observed Particle Nature?

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### Abstract

#### Empirical Data

**An Electron Or Subatomic Particle Behaves As A Particle And Not A Wave When It's Observed!**

#### **Why?**

Because

**The Human Mind Realization Process Depends On (And Uses) The Light Velocity (0.3mkm/Sec)**

**How Does The Observer Effect On The Observed Particle Nature?**

**By Light Beam Produced By The Observer Mind Realization Process.**

#### Paper Idea Summary

This paper tells a clear claim – that –

Because our minds realization process depends on and uses the light velocity (0.3mkm/sec) in the human thinking process that causes the light velocity to be a contributor factor of every thing around us – simply – **We See The Universe Through The Light Velocity Effect On Our Vision-**

That easily explains the equation  $E=mc^2$  – why any Mass Energy is defined relative to the light velocity?! Because the light velocity is found in our minds- that explains Why light velocity is constant in all frames

Now

Because our minds uses the light velocity (0.3mkm/sec), that enable our minds to produce light beams by the thinking process – this produced light beam can effect on any particle nature as the sun rays effect on all particles –

This is the idea shortly– let's ask....."Is this idea truth?" This paper tries to prove...

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## 1- Introduction

Let's again consider Lorentz Transformations- because it's my strong proof. Lorentz Transformations tell us that, Particle length is contracted and its mass is increased with this particle high-velocity motion!

Also the Particle time and distance are changed because of this same motion-

Einstein & his friends dealt with time and distance and give us Space-time geometry

**I Interest For Particle Own Nature** – as I understand – Lorentz Transformations tell that Particle Length & Mass are changed with high velocity motion

If this contraction is a real effect on particle nature or just illusion of measurements!

This question we analyzed many times – and I concluded that it's **A Real Effect**

**Why?** Because

(1<sup>st</sup>) Empirical results prove these features (length contraction- mass increasing)- and We need to protect the physical experimental measurements credibility- means we attribute any properties to any particle based on experimental results ....And

(2<sup>nd</sup>) We don't want to make ourselves as **The Universe Reference Point.**

So The questions are clear –

**(1<sup>st</sup> Question)**

Is Lorentz Length Contraction effect a real phenomenon occurred for the particle own nature or just illusions of measurements?

**It's A Real Phenomenon** (the same conclusion for Particle Mass Increasing)

**(2<sup>nd</sup> Question)**

**Why??** why particle data is changed with this particle high velocity motion?

Let's use the following example....

Suppose 2 observers travel with light velocity – So

**The First Observer Velocity =0.3mkm/Sec = The Second Observer Velocity**

How does each observer see the other?

No difference in velocity between both- What does special theory of relativity tell us?

The velocity is relative and no meaning for "the absolute velocity"- so we don't care for their velocities relative to ours – we care for their velocities relative to each other – no difference in velocity – Each observer will see the other as a matter (Particle)!

We see both of them as light beams!

This is my idea – we have **an observer travels with light velocity in our mind** – each light beam we see as matter – and any motion slower than light velocity we see as light beam – that means the universe is consisted of motions basically and the matter is created as a side product.

**That explains why Particle data changes with high velocity motion!** this particle original data is defined based on this particle ordinary motion relative to light velocity (our minds) - **Now this particle travels with high velocity which changes the basic conditions** - ....Let's provide more analysis in following...

**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- Does Human Mind Use And Produce Light Velocity?!**

There's one more question!

Is any (thing) travels with light velocity will be light beam?

I have 2 proves for the claim that

**"Human Mind Uses And Produces Light Velocity = Light Beams"!**

3-1 (1<sup>st</sup> Proof) The Dualism Nature

3-2 (2<sup>nd</sup> proof) The relativistic Effects Nature

#### **3-1 (1<sup>st</sup> Proof) The Dualism Nature**

Why the Particle has 2 natures (Wave And Particle)?

Imagine we have a light velocity in our mind –so our mind works by  $c = 0.3 \text{mkm/sec}$   
Now

We have another motion – this motion for particle or wave we don't interest-  
it's a motion

And this motion can be accelerated

When the motion acceleration be so high and can make this motion velocity = light velocity we will see this motion as **A Particle**

And when the acceleration is so weak and make this motion velocity very less than light velocity – so we will see this motion as **A Wave**

So particle double natures are found as a result of our mind effect on the universe different motions –

**We Need To See This Universe Is Consisted Of Motions Basically – We Need To See The Matter As Side Products Where The Motions Are The Basic Players**

#### **Some Objections**

(1)

Some one will tell that – there's no any empirical proof that the human mind uses light velocity specially because the electric pulses velocity in human brain and body is so slow relative to light velocity!

It's true – because light travels in liquids with velocity less than light velocity in vacuum – that means – we need only a piece of vacuum in human mind to restore this Pulses the light velocity –

(2)

Do we understand the experimental results and measurements which we have in labs? Einstein told us that we didn't understand the time and space values which we have measured for hundreds of years before him – where these values were considered absolute values, in fact they are relative – so the measurements aren't enough but need also a theoretical explanation behind

### 3-2 (2<sup>nd</sup> proof) The relativistic Effects Nature

We know there are relativistic effects produced by high velocity motions– and there's light beams in every where around us – means – usually there are relativistic effects around us

The question simply is

#### How does a relativistic effected system cooperate with non-relativistic system?

Special Theory of Relativity (SR) gives us some incomplete vision –particle length is contracted by this particle high velocity motion- very good – how the new contracted length will behave in the system?

We see the universe moves in perfect organization – means there's a cooperation between all factors – now there are relativistic and non relativistic dimensions – these all dimensions are cooperated with each other – how does that happen?

The relativistic effects are not –at all- strange effects for the human mind – the relativistic effects are similar to other geometrical effects- and the relativistic effected system is cooperated geometrically with the non effected system

Here the geometrical basics are produced –

That means

When we study this cooperation with enough deep we will gain 2 important results

- (1) We will know which geometry can be applied for the universe motions
- (2) We will have explanations for this geometry axioms – because it's NOT a human creation geometry – it's the universe geometry and each axiom is found because of its geometrical necessity

I want to say

Just the relativistic effects discovery proves that the human mind uses light velocity in thinking process –

That because

SR gives us a broken vision – 2 different frames – and SR gives us no geometrical rules how these pieces can be unified to create one system – but the one system is found already in the universe – so that – means – there's no broken here!

This is similar to the following argument –

Particle electromagnetic properties can't predict its mechanical properties – so we live in 2 different worlds – the matter world and the mind world!

It's wrong – we live in one world- how to prove? The chemical interactions prove One world – that means –Particle Electromagnetic properties MUST predict its mechanical properties otherwise we have an absent part in our book ....

#### Please review

Is There A Contradiction Between SR And GR? <http://vixra.org/abs/1912.0441>

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