



A few remark on negative mass, origin of masses, and entanglement

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Abstract

Regarding origin of masses, first we shall realize that Boltzmann's "constant" fails over large spans of time and over large distances. (Boltzmann publicly apologized for the errors intrinsic in his constant but could not find any way to repair the value of the constant so as to be in exact agreement with what actually happens in the real world, in real time.) Given the fact that Boltzmann's constant is wrong, all of thermodynamics is equally wrong, except for Prof. Kiehn's Pfaff Dimension 4 discovery in topological thermodynamics, which proves that mass and/or energy can be created and/or destroyed in any volume which contains a Pfaff Dimension 4 sub- volume.

Keywords: Pfaff Dimension; topological thermodynamics; physics and origin of masses

1. Introduction

There are various discussions in literature to describe physics of origin of masses. Yet, it seems none is quite satisfactory with respect to non-equilibrium topological thermodynamics. This short review will discuss this matter.

2. A few remarks

Regarding "*negative*" mass, we first need to know, what exactly is mass and exactly what causes mass, with perfect accuracy. At this time, the answers to both those questions are difficult to obtain.

Prof. Sujak states in his most recent book: "*mass is resulting from curl compression of the ether*", which aligns with only one part of Mishin's 5 phase-state aether, the fluid phase of the aether.

If that statement is correct, there cannot be a "negative mass". All particles decay eventually into vortex lines which travel across the universe at infinite velocity. according to the results of experiments performed by G. Le Bon and Nikola Tesla in the early 1900s.

(Please recall my resonant Von Karman "streets" description regarding one of the ways mass-matter is formed from out of the aether.)

You have to get the idea that the aether, especially the 4 phase states that are not superluminal, wants to just "hang out" and "take it easy" in the same exact condition and location in infinite space they are in at the given moment.

Anything that disturbs their rest, they act on quickly (but not instantly!) with an equal and opposite disturbance which acts on the disturbance to exactly neutralize it, so they can go back to just "hanging around".

Mass does not bother the aether very much, because from the perspective of the aether, matter just "hangs around" most of the time, so the aether doesn't bother to get rid of it.

Except there is an innate resistance of the aether to existing matter, which spins in the aether, which causes matter to decay with time, due to aether resistance. (Look at this in fluidic terms and it is easier to understand.)

This is part of why Boltzmann's "constant" fails over large spans of time and over large distances. (Boltzmann publicly apologized for the errors intrinsic in his constant but could not find any way to repair the value of the constant so as to be in exact agreement with what actually happens in the real world, in real time.)

Given the fact that Boltzmann's constant is wrong, all of thermodynamics is equally wrong, except for Prof. R.M. Kiehn's Pfaff Dimension 4 discovery in *topological thermodynamics*, which proves that mass and/or energy can be created and/or destroyed in any volume which contains a Pfaff Dimension 4 sub-volume.

We need to combine Le Bon, Tesla, and Mishin's understandings of the behaviors of various *phase states of the aether*.

By the way, Wilhelm Reich's "*Orgone*" is a measurable and experientially observable manifestation of the fluidic phase state of the aether. Reich constructed a motor which used Orgone (local motion of the fluidic aether) to turn the shaft of the motor, with no electric or magnetic fields involved anywhere in the machine.

Sometimes when a disturbance of the aether happens that involves faster than light activities, the reaction-response of the aether to neutralize the disturbance, can take as long as several months to return the exact amount and type of counter-force to the exact location where the disturbance originally happened.

This is probably because the different phase states of the aether have different characteristics at the borders between the phase states. So the interface between the fluidic and the solid phase states of the aether can act like, and appear like, for example, a glass or a plastic, for the perspective of the 5 phase state aether.

The physics community needs to do many deep and accurate experiments to determine all the behaviors of all the aether phases of the 5 phase state aether. (Some of the activities of the aether can require large spans of time and large distances be involved in producing locally observed and recorded aether actions at the site of an original disturbance, as mentioned above.)

But the universe doesn't care about mathematical fantasies. It just continues to do what it does, for the reasons it acts in the kinds of ways it does. Everything involves Consciousness and Intelligent Design. None of it is due to "chance" nor "accident". QM, which is primarily statistical, can go climb a rope with its non-physical teeth.

3. Remark on aether entanglement

Entanglement happens because of infinite velocity infinitesimal particles which are constantly emitted from, and absorbed by, all observables, including photons. Infinitesimals are thus streaming from particle A, and from particle B, at the same time, in both directions, both to and from A and B. Such bidirectional behaviors are always present in aether-based events, such as entanglement. This is an aether phenomena and has nothing to do with probability, or statistics. "Hidden variables" are always caused information-bearing propagations of infinitesimals which occur in all 5 phases states of the ambient aether. (It would be just as correct to describe hidden variables as arising from the fluidic phase of the aether as it would be to claim the origination is found in the 5th aether phase state.)

My model of the photon, which was proved by experiments conducted at Rutgers University during the early 2000s, has the photon particle as being made from a superluminal wave which precedes the particle, which particle is made from subquantum particles.

Rutgers was able to detect the superluminal wave part of the photon, which arrived, every time, before the photon particle part, in a double slit type of experimental setup.

Remember, waves are made of particles which are made from waves, which are made from particles, and so on, down to at least the Kolmogorov Limit of $10e^{-58}$ meters.

In my present opinion, turbulence occurs at all scales. But our existing observational abilities are not available to see any turbulence events smaller than $10e^{-95}$ cm. And it shall be called *aether entanglement*, not quantum entanglement.

4. Concluding remark

Although there are various perceptive developments on what is origin of mass, apparently the most consistent description is based on topological thermodynamics along with reconsideration of research by G. Le Bon, Tesla etc.

Moreover, *inertia is caused by the innate resistance* of given material substance to the pass-through flow of the fluidic aether. Every kind of material has a different aether-resistance, just as every kind of material has a different Planck's "constant." Inertial considerations of aether result in a law similar to Ohm's Law of resistance in electrical situations.

RNB

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