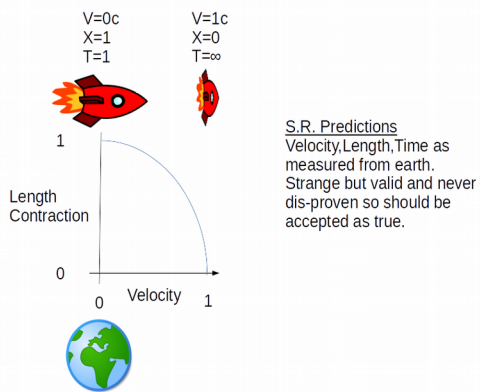


## Accelerated relativistic electric field Charge,Parity,Time Symmetry. **(Hypothesis)**

**(What the Cat saw.)**

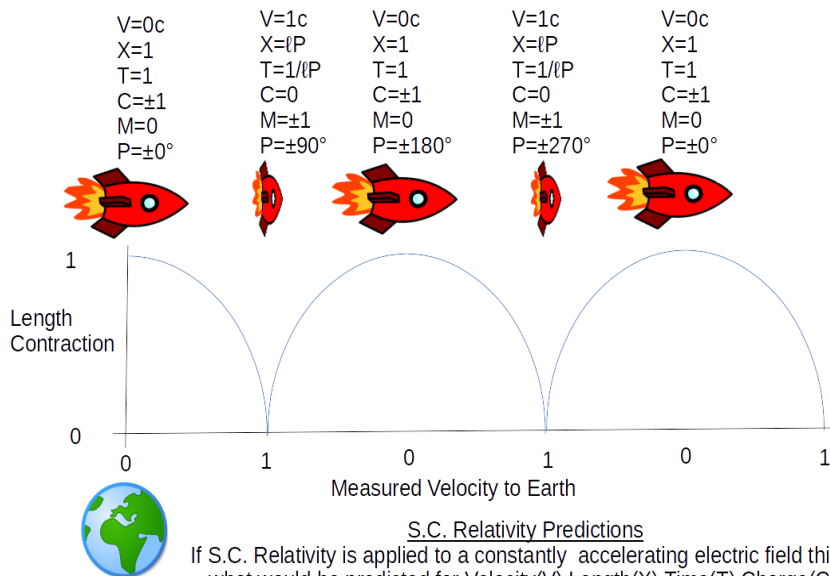
This hypothesis will show how you can have a constantly accelerating electric field that will always be measured at the speed 'C' in any frame of reference if S.C. Relativity is applied,how it is a C.P.T. wave equation in an aether. Why it is always measure at velocity 'C' irrelevant of relative Aether velocity. How Special Relativity predictions actually emerge from this.(Actually becomes a standing wave equation as consequence). How a photon is a acceleration of a point charge,frequency is a measure of acceleration of a point charge,polarisation is a measure of initial creation velocity.

### Simplistic view of Special Relativity



### Simplistic view of S.C. Relativity

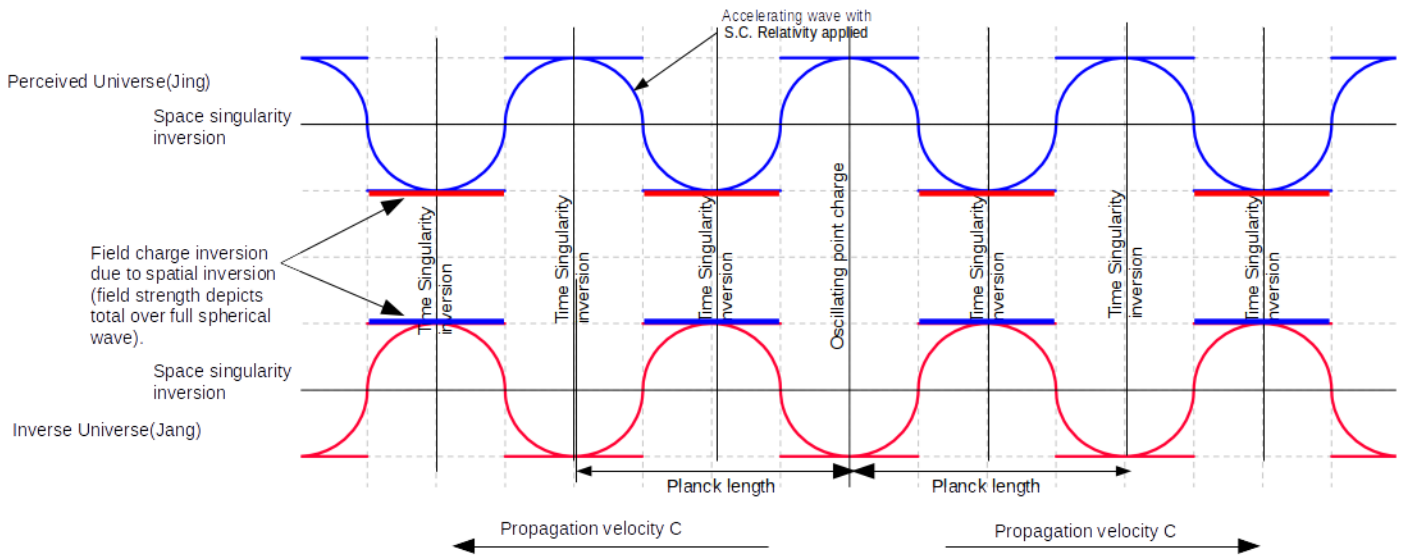
If you constantly accelerate relative to yourself this is the cycle of measurements relative to earth. You will pass through the speed of light and turn into antimatter relative to earth measurements(all measurements in your own frame of reference will remain unchanged)This is very similar to Special Relativity but by applying S.C. Relativity to an accelerating electric field in a Charge,Parity,Time Symmetry.



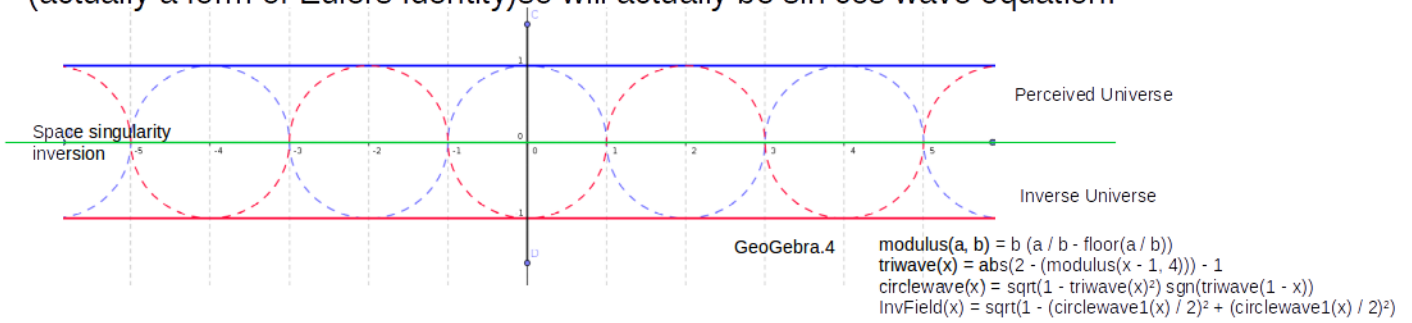
**Accelerating electric field**

If we have an oscillating point charge(turning itself inside-out) how this will propagate a constantly accelerating electric field with S.C. Relativity applied(upper bound Planck length,lower bound singularity point)we can show how this creates a spherical C.P.T. wave which propagates at C and has a constant spherical surface area field strength(inverse square law) and how a charge is its own anti-charge,and a sink and source for the electric field.

Fig 1. shows how an Oscillating charge will propagate an accelerating electric field(Eulers identity) so we can assume these are actually sin/cosine waves.(They are shown as circular waves to show similarity to Special relativity diagrams).We can now say you can have an Aether travelling with any velocity because ever measurement device is made of electric fields and is subject to the very same Aether. Every measurement with the same relative velocity will be multiples of one planck length and therefore have a constant charge, any change in velocity(acceleration) is seen as a change in potential difference in charge & magnetic field.



Combined view of our Universe/Inverse and how you have charge inversion but is measured the same because of spacial inversion,acceleration/de-acceleration due to time inversions (actually a form of Eulers Identity)so will actually be sin cos wave equation.



In a sense this is a Möbius sphere geometry ?.

Acceleration required presumably a Planck Acceleration ( $C^2/l_p$ ) ?

With this symmetry every force has an inverse force(second Derivative?).

Distance and Time become Derivatives of each other.(sin and cos at Planck length scale)

Electric and magnetism are relative phases of each other(Derivative of each other).

Mass – Gravity ?, all particles. Supadupa Symmetry.

Every measurement in inertial frames of reference are 360° out of phase(due to having an Aether).

Even though this is at a planck scale ,you would need to accelerate to the speed of light to change a ¼ of a planck length(90° relative phase shift).

### **Photon Acceleration(Frequency)**

We now need to say a photon is an acceleration of a point charge (Acceleration required presumably a  $>$  Planck Acceleration ( $C^2/lp$ )) as this is the only way you can generate an oscillating electric and magnetic field in this symmetry.(i.e. A constant velocity of '1c' will be a magnetic field)

The acceleration required is greater than the electric field,as it cannot propagate faster than 'C' this causes an increased oscillation(inversion) in this symmetry. This increased oscillation is now measured as a change in electric and magnetic field relative to any measurement device.(sinusoidal). Polarisation now becomes a measurement of initial creation velocity,and would appear as probability wave.(This will be the path of least action) .

It gives better meaning to Maxwell's wave equations (but does not actually change them),acceleration induces magnetic and electrical field change.(Changing flux oscillations do not propagate a photon).

It gives better meaning to Quantum Theory's,Fourier Transforms etc.(but does not actually change them) as they are known to be mathematically very accurate.

### **Gravitational Constant Aether**

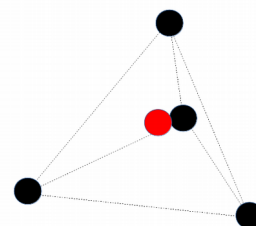
$G = 6.67408 \times 10^{-11} \text{m}^3\text{kg}^{-1}\text{s}^{-2}$  this is actually a force that resists acceleration.

Impedance of free space 376.730... is more meaningful when talking about electric fields and is derived from related known constants. This value will actually vary throughout the universe and will be undetectable by local measurement with this type of symmetry(all constants will vary accordingly) except gravitational waves.(you can only measure potential difference).The velocity,direction of this Aether would not effect any measurement because all instruments are equally effected.(You are measuring electric fields with electric fields. Only relative velocity can be measured,i.e.( Phase shift)).

### **Electron and Quarks**

Can an electron actually be modelled from a culmination of point charges in Tetrahedral geometry of four negative bounded by a central positive charge ?.

If we give a point charge 1/3 of electron charge this will give reasoning for quark charges , colour,flavour ,Beta decay ?.

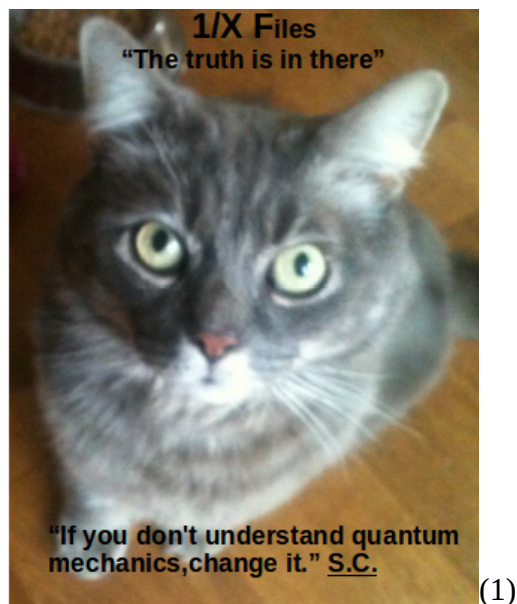


### **Black Hole Singularity**

Now it is plausible to say a black hole singularity is actually the merger(Spatial and Time singularity) of electrical field C.P.T. symmetry back into empty space,and the Gravitational constant will have a far higher density radiating in spherical waves presumable at the speed 'C' and inversely proportional to distance. So is there any need for Dark Energy and Dark Matter ?,as these are theorised to explain galactic spin velocities and expansion of the universe ,but a black hole producing empty space would explain both ?.Gravitational waves now become a density wave of the Gravitational constant.(In your own frame of reference 'G' will always be measured as constant because it is only potential difference which can be measured).General Relativity in my opinion actually requires an Aether ?.

## Conclusion

With a slightly different conceptual idea applied to an electric field I believe many things in Physics, Astronomy can be answered (far too many to mention). I don't believe this type of inversion symmetry will change any of the laws of physics, but give some different reasoning. Maybe we actually are our own inverse symmetry hidden in plain sight. Maybe Mathematics, Physics and Astronomy need a good dose of looking at with different conceptual ideas?.



Bryn.S.Cat

## References

Wikipedia, the free encyclopedia (<https://en.wikipedia.org>).

Various videos from youtube (<https://www.youtube.com/>).

Vector illustration of a red rocket ship "blasting off"

*Pixabay*, where the creator has released it explicitly under the license *Creative Commons Zero*

A new globe icon in the Ambox style

This work has been released into the **public domain** by its author, **penubag**

(1) No quantum, virtual, imaginary are real cats were injured in this conceptual hypothesis.