Relativistic Infinity Theorem

Postulates:
1. Speed of light according to Maxwell’ s equations: The speed of light is the same for all observers, independent of any motion of the light source.
2. Newtonian absolute concept of space refined for inertial reference frames in spacetime: The laws of physics are identical in all inertial frames of reference.
3. General theory of relativity based off of applied analysis of Einstein’s Special theory of Relativity and Faraday’s force field model: Force fields exhibit themselves by inducing spacetime curvature for any given body. All force fields are considered and also is electronic charge, magnetic flux, ect. That body then travels on it’s geodesic or world line through spacetime according to the net resultant field for that given particle. In the reference frame of this body no acceleration is observed, except considered in reference to other bodies. These other bodies in turn make up the net sum of the entire universe and travels upon its own geodesic.
4. Continuity of spacetime: Time does not stop for any body or reference frame.
5. The entire universe originated from a singular point or extremely small volume in space-time at the big bang.
6. ¿(The curvature of the universe is Euclidian before considering above relativistic curvature)?

Assume that at time 0 or $t = 0$ the entire universe existed at a singular point or an anomaly that relative to current space (i.e. non-relativistic spacetime) was virtually the equivalent thereof. At $t = +0$ the first energy, matter, or light left what was considered now to be a black hole anomaly according to Einstein’s General Theory of Relativity in its strictly gravitational sense. For this paper such a black hole anomaly, without reference to the direction that time travels, is called an infinite gravity hole or IGHole, pronounced; eyghole. We shall see later in the paper that $t = {}^{+}0$ is simply a matter of convenience, useful to describing a conventional looking timeline for this universe as a whole, so for now consider that this point in time instantly follows the big bang.

Assume that we exist in a time; $0 < t < \pm\infty$, and time travels forward.

Now let us consider a photon which is a self-propagating electromagnetic anomaly which travels through forward through time in a given direction, at a fixed velocity c relative to every other body and consequently every other reference frame in the universe. This photon will travel along its geodesic according to three notable cases:

1. Colliding with matter, normally being received by an electron to bring it to an excited state.

2. Moving into a IGHole, specifically falling into a black hole; a. radial decent
   b. downward spiral decent
3. Traveling out forever through space beyond all matter.

Case 1: Light is radiated from a point source and travels over a fixed distance to another point where the light is absorbed. The photon is traveling entirely in the x direction, and its geodesic does not bend at all relative to our theoretical coordinate plane.

t, x, y, z are in the reference frame of the photon source and destination.
t', x', y', z' are in the reference frame of the photon with velocity v ≡ c ≈ $3*10^8$ m/s:

$$\forall\gamma \equiv \frac{1}{\sqrt{1-\frac{v^2}{c^2}}}$$

$$t' = \gamma\left(t - \frac{xv}{c^2}\right) \qquad t = \gamma\left(t' + \frac{x'v}{c^2}\right)$$

$$x' = \gamma(x - vt) \qquad x = \gamma(x' + vt')$$

$$y' = y \qquad y = y'$$

$$z' = z \qquad z = z'$$

Because v ≡ c, the following is true: γ = ∞ based on the parameter $\gamma \equiv \frac{1}{\sqrt{1-\frac{v^2}{c^2}}}$

Let us also consider the light to be traveling 3 meters to it's destination which takes: $t = \frac{3m}{3*10^8\ m/s} = 10^{-8}s$

Thus the equations become: Plugging these conventional 0 values into the below eq. we get:

$$t' = \infty\left(10^{-8}s - \frac{3m*3*10^8\ m/s}{\left(3*10^8\ m/s\right)^2}\right) = 0 \qquad 10^{-8}s = \infty\left(t' + \frac{x'*3*10^8\ m/s}{3*10^8\ m/s^2}\right)$$

$$x' = \infty\left(3m - 3*10^8\ m/s * 10^{-8}s\right) = 0 \qquad 3m = \infty\left(x' + 3*10^8\ m/s * t'\right)$$

$$y' = y \qquad y = y'$$

$$z' = z \qquad z = z'$$

The equations on the right according to the real number system. However I propose a new number system, the infinite number system. Within the Vector Space Components of the infinite number system, every number is infinite; there is no difference, except in relative value, this is hereby defined as the infinity principal.

Although no system or means yet exists to quantify these relative infinities, finite numbers, or zeros, that does not imply that the very universe itself is not based upon this infinity principal,

whereby $\bar{I} \in [-\infty, \infty]$ have subtle nuances upon their value that they can be intuitively, precisely, and accurately applied in certain critical equations in order to resolve infinity, indiscriminant, and 0 paradoxes. Proof based on definition of Vector space:

1. $\bar{I}$ *spans* $\bar{I}$ $\quad \forall \pm\infty + x = \pm\infty, x \in \bar{R}$, $\quad -\infty + \infty = 0$

$^{+}\infty +^{+}\infty = \infty$

$^{+}\infty -^{+}\infty = 0$

$^{-}\infty -^{-}\infty = 0$

$^{-}\infty +^{+}\infty = \infty$

$^{-}\infty -^{+}\infty = -\infty$

$^{+}\infty -^{-}\infty = \infty$

$^{\approx}\infty -^{\approx}\infty = R$

$-^{+}\infty +-^{+}\infty = -\infty$

$-^{-}\infty +-^{+}\infty = \bar{R}$

$a \pm \infty = \pm\infty \qquad \forall a \in \bar{R}$

$a + b = c \qquad \forall a, b, c \in \bar{R}$

$\therefore a + b = c \quad \forall a, b, c \in \bar{I}$

$\therefore \bar{I}$ *spans* $\bar{I}$

2. $\bar{I}$ *is lineraly independent* $\quad \forall\ 0 = -\infty + \infty$

$a * \pm\infty = \pm\infty \quad \forall a \in \bar{R}, \quad$ *same sign* $\pm$

$\pm^{=}\infty \pm^{=}\infty = 0 \quad \forall a = 0, \quad$ *different sign* $\pm$

$\pm^{+}0 * \pm^{+}\infty = \pm^{\pm}\infty \quad \forall$ *according to rules of* $\bar{I} \Rightarrow \pm$

$\pm^{-}0 * \pm^{+}\infty = \pm^{\pm}a \quad \forall$ *according to rules of* $\bar{I} \Rightarrow \pm \quad , a \in \bar{R}, a \neq 0$

$\pm^{+}0 * \pm^{-}\infty = \pm^{\pm}a \quad \forall$ *according to rules of* $\bar{I} \Rightarrow \pm \quad , a \in \bar{R}$

$\pm^{-}0 * \pm^{-}\infty = \pm^{\pm}0 \quad \forall$ *according to rules of* $\bar{I} \Rightarrow \pm$

$\bar{I} = a_{1-3} * (-^{+-=}\infty) + a_4 * span(\bar{R}) + a_{5-8} * (^{+-=}\infty) = 0 \qquad \forall a_1 = a_2 = a_3 = a_4 = a_5 = a_6 = a_7 = a_8$

$\therefore \bar{I}$ *is lineraly independent*

Vector Field Theory:

Let: $\overline{G}$ be the Vector Space of ∞^{∞} dimensions which describes EVERYTHING.

Let: $\overline{V}$ be a subset of ∞ dimensions but can define quantitatively every possible 3-D universe

Let: $\overline{U}$ be a subset of ∞ dimensions or less to greater than 4 that can define this type of universe

Let: $\overline{S}$ e a 1-D (to ∞D) subset of $\overline{U}$, an array of elements, $\overline{T}(t)$ where t is a infinity theory scalar, t exists in $[-\infty,\infty]$. Let S(t)d be a 3-D matrix of infinite coordinates of differentiable pixelation defining energy according to the sum of all coordinates of a 2 to ∞ dimensional matrix defining Elements: an array of vectors and functions describing whatever is needed. Each pixel couples force field interactions between every other pixel according to a 1-D (to ∞D) array of elements which are 3-D vectors of length existing between $[-\infty,\infty]$ and every pixel in each and every pixel. (((These pixels are as a theoretical conscious being called Had.)))

$G \nexists$ *of no Vector Space. All vector spaces are subspaces of* G.

$\therefore G \equiv$ *Vector Space of* $\dim = \infty^{\infty^{\infty^{\infty^{\cdots}}}}$

$\forall \overline{V} \in G$

$\forall \overline{U} \in \overline{V}$

$\forall \overline{S} \in \overline{U}(c, B, f_{p*h}) \quad \forall c = \frac{1}{\sqrt{\varepsilon_0 \mu_0}}, B = \overline{T}(0), f_{p*h}$ *is an array of matrixies* $\forall f(p,h)$ *is* 3 *arrays* f_i, f_j, f_k

$M_{x*y*z}, P \in \overline{S}(t) \quad \forall t \equiv$ *an* ∞ *principal scalar i.e.* $t \in [-\infty,\infty]$, M *is a matrix of* $\dim x = \infty, y = \infty, z = \infty,$

$X_h \in M(x,y,z) \quad \forall X$ *is an array of elements,* $h \in [-\infty,\infty]$ *P is all particles* $P(p) \; \forall p \in [-\infty,\infty]$

$F, R \exists X(h) \quad \forall$*array F is the net velocity / force / force deritive vector... and m or E,* $E = mc^2$

$X(h) = \sum_{p=-\infty}^{\infty} F(p)$ *element in M, sum of all* $F(h, x_h, y_h, z_h, p, x_p, y_p, z_p)$ $h, x_h, y_h, z_h, p, x_p, y_p, z_p \in [-\infty,\infty]$

$F(p) = \hat{i} f(h, R(p))_i (x_p - x_h) + \hat{j} f(h, R(p))_j (y_p - y_h) + \hat{k} f(h, R(p))_k (z_p - z_h)$

$\frac{F}{m} = a$

$x_p, y_p, z_p \in R(p)$ *is for all reletivistic effects by considering geodesic of graviton from* x_p, y_p, z_p, t_p

S(t) is ∞ to finite quantity of energy in an interconnected mesh of interacting pixels according to the Heisenberg Uncertainty Principal, and Pauli exclusion principal, is this present universe. By these principals and possibly an infinite array of others our universe is defined at any given time.

B = S(0). B is a formation called the big bang, which were so concentrated that although at the center of the greatest IGHole of all time they were really in a white hole which shot the energy away according to Time. This universe is an element of a multiverse[our universe type], which is an element in a ultraverse[which is all 3-D universes], one of many elements in the metaverse[all universes/EVERYTHING]. (((which as theoretical conscious being is Nuit. Hadit is the center of Nuit, which is every point in an infinite dimensional field of elements of an infinite dimensional field… Nu is not, from whence all came, by Had traveling through time and space. Hadit the center of Nuit is the perfect and invisible holy guardian angel of each consciousness in Nuit which seeks to understand Nuit with wisdom of Vectors, categorizing by thought and symbol, and knowing by keeping those thoughts in memory. Hadit expands to attain to Nuit so that it will know EVERYTHING.)))

Therefore using this new number system we can hold no qualm to applying the given nuance onto our answers from the equations on the left to fill them into equations on the right to resolve the inherent paradox in the Lorentz transformations and in special relativity of the case; light.

$$t' = {}^{-}\infty\left(10^{-8}s - \frac{3m * 3*10^{8}\,{}^{m}\!/\!_{s}}{\left(3*10^{8}\,{}^{m}\!/\!_{s}\right)^{2}}\right) = {}^{-}\infty * {}^{-}0 = {}^{-}0$$

$$x' = {}^{-}\infty\left(3m - 3*10^{8}\,{}^{m}\!/\!_{s} * 10^{-8}s\right) = {}^{-}\infty * {}^{-}0 = {}^{-}0$$

$$y' = y$$

$$z' = z$$

$$0 = {}^{-}\infty\left({}^{-}0 + \frac{{}^{-}0 * 3*10^{8}\,{}^{m}\!/\!_{s}}{3*10^{8}\,{}^{m}\!/\!_{s}^{\,2}}\right)$$

$$0 = {}^{-}\infty\left({}^{-}0 + 3*10^{8}\,{}^{m}\!/\!_{s} * {}^{-}0\right)$$

$$y = y'$$

$$z = z'$$

Case 2: Light is radiated from a point source and travels into a blackhole, and thus through and IGHole to exit out a whitehole.

Subcase a: The photon is traveling entirely in the x direction, and its geodesic does not bend at all relative to our theoretical coordinate plane. The geodesic is however affected by Einstein's general theory of relativity as it pertains to gravitation.

First we shall consider the photon's energy from a distance 10 times the Schwarzschild radius. This initial distance is denoted as E_∞ at ∞ distance from the center of the black hole. E_{10} denotes the photons energy at the initial radius; $r_{10} = 10*r_s$ the Schwarzschild radius; r_s. E_c denotes photons energy at precise center of IGHole anomaly.

As the photon reaches the center of the IGHole anomaly:

$$\forall r_s = \frac{2GM}{c^2}$$

$$E_c - E_{10} = \frac{GM\left(\frac{E_\infty}{c^2}\right)}{0} - E_0$$

$$E_c - E_{10} = \frac{GM\left(\frac{E_\infty}{c^2}\right)}{0} - \frac{GM\left(\frac{E_\infty}{c^2}\right)}{r_{10}}$$

$$E_c - E_{10} = \frac{GM\left(\frac{E_\infty}{c^2}\right)}{0} - \frac{GM\left(\frac{E_\infty}{c^2}\right)}{10 * \frac{2GM}{c^2}}$$

$$E_c - E_{10} = \frac{GM\left(\frac{E_\infty}{c^2}\right)}{0} - \frac{\left(E_\infty\right)}{20}$$

$$E_c = {}^{+}\infty$$

We see that it attains to infinite energy and thus ∞ frequency, and 0 wavelength. However there is no need to invoke the infinity principal in its conventional sense as we can carry on the ∞ portion of the above equation to show that it cancels when the light continues on it's path to leave the IGHole. Let r_{-10} denote the radius of the final position, and E_{-10} the final energy.

$$E_{-10} - E_c = \frac{GM\left(\frac{E_\infty}{c^2}\right)}{r_{-10}} - \frac{GM\left(\frac{E_\infty}{c^2}\right)}{0}$$

$$E_{-10} - E_c = \frac{GM\left(\frac{E_\infty}{c^2}\right)}{10 * \frac{2GM}{c^2}} - \frac{GM\left(\frac{E_\infty}{c^2}\right)}{0}$$

$$E_{-10} - E_c = \frac{\left(E_\infty\right)}{20} - \frac{GM\left(\frac{E_\infty}{c^2}\right)}{0}$$

$$\Delta E = \left(E_{-10} - E_c\right) + \left(E_c - E_{10}\right)$$

$$\Delta E = \left(\frac{\left(E_\infty\right)}{20} - \frac{GM\left(\frac{E_\infty}{c^2}\right)}{0}\right) + \left(\frac{GM\left(\frac{E_\infty}{c^2}\right)}{0} - \frac{\left(E_\infty\right)}{20}\right)$$

$$\Delta E = 0$$

Now let's consider the relativeistically modified Lorenz equations for the situation with generalized modifications for the gravitational relativistic effect of the IGHole:

As the reference frame for any given massive body approaches the center of the black hole. The General Relativistic curvature of spacetime make a theoretical meter stick as perceived by an observer outside of the gravitational field appear to approach zero length as it falls vertically approaching the center of the black hole. Also time for that meter stick begins to accelerate to the point where a singular instant to the meter stick is an eternity to an outside observer.

Now let us consider what it would be like for a photon to enter this blackhole directly. As the photon gets closer to the black hole it's energy/frequency increases. As it passes by the event horizon it increase in energy a differential amount but this is no major event. As it gets closer and closer it accelerates more and more according to $1/r^2$. This causes the curvature of spacetime to bend more and more making the light travel farther in it's perspective which seems equally insignificant to the light considering drastic time dilation. To the observer outside the blackhole the light thus takes an eternity to even reach the center but at $t = \infty$ the light finally passes through the center of the blackhole and begins expending its infinite energy in its red Doppler shift as it takes an equally long time to egress the IGHole anomaly, now called a white hole. This light is traveling forward through time in an anti-matter universe, where left is right and right is left. The light travels from $t = -\infty$ forward to the negative time it originally was conceived at that exact location in this anti-universe.

Subcase b: Spiral decent into blackhole. The non-radial motion does not make any difference no orbit inside the event horizon can be sustained. The decent orbit will take the exact amount of time from entering black hole to leaving white whole, it will be instantaneous to the light due to the Lorenz transformation delineated in the first case. And it will take the same eternity for the observer outside the black hole's gravitational field.

Subcase c: infinite event horizon loop. Assuming the light will enter into the black hole perfectly tangentially and that the black hole remains of constant mass forever . And no perturbations occur. It will stay in that loop until the end of time and then suddenly leave at the anti-time that it came (this makes no since but the whole situation is probably completely impossible, if not so astronomically impossible that god himself could have left this paradox be[perhaps this is the problem of choice that the architect told neo about and maybe the robots will have to destroy this world because too much consciousness gets stuck in these weird quarks which eventually cause imbalance in universe antiuniverse parity])

Case 3: Light traveling out forever through space beyond all matter.

$$\forall\gamma \equiv \frac{1}{\sqrt{1-\frac{v^2}{c^2}}}$$

$$t' = \gamma\left(t - \frac{xv}{c^2}\right) \qquad t = \gamma\left(t' + \frac{x'v}{c^2}\right)$$

$$x' = \gamma(x - vt) \qquad x = \gamma(x' + vt')$$

$$y' = y \qquad y = y'$$

$$z' = z \qquad z = z'$$

$$t' = {}^{-}\infty\left({}^{=}\infty s - \frac{{}^{=}\infty m * 3*10^8\, m/s}{\left(3*10^8\, m/s\right)^2}\right) = {}^{-}\infty * {}^{-}0 = {}^{-}0 \qquad a = {}^{-}\infty\left({}^{+}0 + \frac{{}^{+}0*3*10^8\, m/s}{3*10^8\, m/s^2}\right)$$

$$x' = {}^{-}\infty\left({}^{=}\infty m - 3*10^8\, m/s * {}^{=}\infty s\right) = {}^{-}\infty * {}^{-}0 = {}^{-}0 \qquad a = {}^{-}\infty\left({}^{+}0 + 3*10^8\, m/s * {}^{+}0\right)$$

$$y' = y \qquad y = y'$$

$$z' = z \qquad z = z'$$

$$t' = {}^{-}\infty\left({}^{=}\infty s - \frac{{}^{=}\infty m * 3*10^8\, m/s}{\left(3*10^8\, m/s\right)^2}\right) = {}^{-}\infty * {}^{-}0 = {}^{-}0 \qquad a = {}^{-}\infty\left({}^{+}0 + \frac{{}^{+}0*3*10^8\, m/s}{3*10^8\, m/s^2}\right)$$

$$x' = {}^{-}\infty\left({}^{=}\infty m - 3*10^8\, m/s * {}^{=}\infty s\right) = {}^{-}\infty * {}^{-}0 = {}^{-}0 \qquad a = {}^{-}\infty\left({}^{+}0 + 3*10^8\, m/s * {}^{+}0\right)$$

$$y' = y \qquad y = y'$$

$$z' = z \qquad z = z'$$

Thus a finite journey of consciousness bridges the infinite distance that light travels from point of creation in positive time, forward through ∞ forward from -∞ to it's original creation of departure in anti-space; $x_f' = -x_i'$, $y_f' = -y_i'$, $y_f' = -y_i'$, $t_f' = -t_i'$. The universe then travels forward though our time in their anti-universe, which is their backward time in terms of the second law of entropy. Until the big bang at 0 time. ${}^{-}0$ time is blackhole, that everything goes into, ${}^{+}0$ whitehole, big bang from whence all created out of the ZPE field. A member of a vector space S subspace of U, Where many 3-D universes are generated by an angelic quire of which we humans are just integral members of.

NeoPlatonic Elements:

the four elements and spirit

Elemental definitions:

Spirit = ZPE, the quantum electromagnetic jiggling due to net light wave's extreme because of the Heisenberg uncertainty principal.
Water = waters of mathematical possibility, possible universe waveform ([quantum] waveforms included).
Fire = Energy.
Earth = set physical reality, fixed abstract parameters describing "quantum" waveforms, i.e. the theoretical construct that physicists call the universe, or Maya, matrix S, which is by it's very nature based upon water defined as math above. Any defined universe or Macrocosm.
Air = thoughts, ideas, intellectual concepts, symbols, models, constructs etc. Any abstract concept based upon the microcosm, the individual, and built for the purposes thereof.

Elemental Attributions:

Earth represents in our universe solid, the first state of matter, because it is fixed. Also represents strong nuclear force which binds nucleons into the set structure of the atom.

Water represents liquid, the second state of matter, because mathematical possibilities never change in density, yet always can be bound by any form. Represents gravitational force as it pulls matter together into fluid structures that maintain pure mathematical symmetry, that of a sphere.

Air represents gas, the third state of matter, because a defined thought forms has a defined volume of Nuit, however whatever wisdom can lighten the thought form is stretched out but does not increase in mass. Air also expands to fill any form defined as its form. Represents week nuclear force as it keeps atoms from becoming to large and too set.

Fire represents plasma, as it is the "4^{th}"state of matter and like plasma, does not hold a set definition, but what is defined as fire is consciousness, just like the extremely excessive case of freedom of the electrons is defined as plasma. A certain thing that epitomizes active principal or energy. Represents electromagnetic force as it sustains atoms and defines light.

Spirit represents ZPE, because it is by spirit through manipulation of ZPE that everything is ultimately created and now partially understood by consciousness observing light and waves.