

Dr William Tiller has spent over a decade on a theory that others are now calling the Tiller-Einstein Model of Positive - Negative Space/time. Richard Gerber calls it the Tiller-Einstein Model because it's insights are basic to the Einsteinian equation relating energy to matter from which it is derived. The most familiar form of this equation is as follows: $E=mc^2$, however this is not the entire expression. The shorter equation is modified by a proportionality constant known as the **Einstein-Lorentz Transformation**. **This transformational constant is the relativistic factor that describes how different parameters of measurement from time distortion to alteration of length, width, and mass will vary according to the velocity of the systems being described** the true Einsteinian equation is as below:

Diagram 1
Einstein-Lorentz Transformation

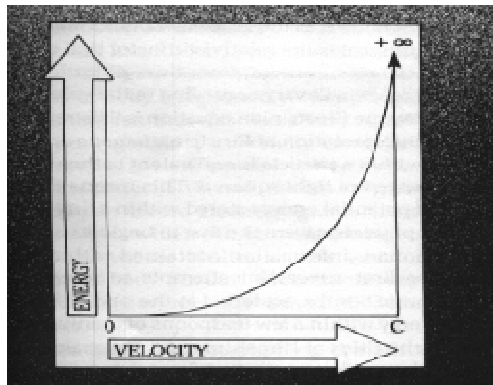
$$E = \frac{mc^2}{\sqrt{1 - v^2/c^2}}$$

AS $v \rightarrow c$, THEN $E \rightarrow \infty$

E=ENERGY c=SPEED OF LIGHT
m=MASS v=VELOCITY

The classical interpretation of Einstein's famous equation is that the energy contained within a particle is equivalent to the product of its mass multiplied by the speed of light squared. This means there is an incredible amount of potential energy stored within a tiny particle of matter. A more complete understanding of Einstein's equation has evolved over time which may begin to help scientists comprehend the multi-dimensional nature of the universe. ***Einstein's equation suggests that matter and energy are interconvertable and interconnected.*** Subatomic matter is actually a form of condensed particularized energy i.e. a frozen mini-energy field. The atomic bomb is one example how matter can be converted into energy. When one examines the extended equation above in which $E=mc^2$ is modified by the Einstein-Lorentz Transformation new insights into the dimensional aspects of matter both gross and subtle matter can be appreciated. If one accelerates a particle faster and faster until it approaches the speed of light its kinetic energy increases exponentially as described by the equation $K.E.=\frac{1}{2}mv^2$, where v is velocity. see diagram below.

Diagram 2
Relationship of Energy to Velocity

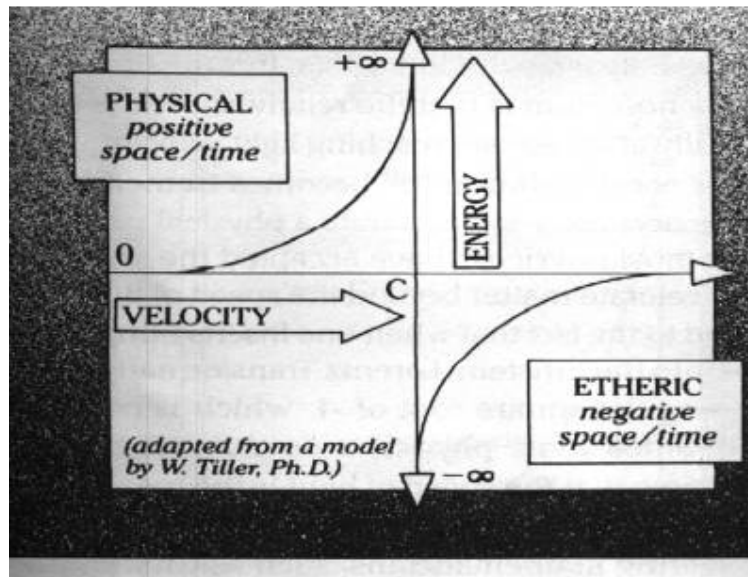


An interpretation of this relationship could make it seem that it is physically impossible to accelerate particles beyond the speed of light. The ascending curve approaches the speed of light (c) but never intersects with it and continues off into infinity. High energy physicists are aware that as one tries to accelerate a subatomic particle faster and faster close to the speed of light, extremely large amounts of energy are needed. The reason is because the relativistic mass of a particle increases exponentially at speeds approaching light velocity, until the energy needed for further acceleration to ' c ' becomes tremendous. This tremendous energy is what is necessary to accelerate a physical particle of matter. **Physicists have accepted the seeming limitation that one cannot accelerate matter beyond the speed of light.** This assumption is partly related to the fact that when one inserts numbers greater than the speed of light into the Einstein-Lorentz Transformation one arrives at the solutions containing the square root of -1 , which is considered an imaginary number. Here we face a wall of unbelief by physicists who do not believe in imaginary numbers, they assume that the speed of light is the maximum velocity at which matter can travel. However there are a few renegades who believe differently.

Pioneering mathematician Charles Muse¹ considers the square root of -1 to be a category of numbers referred to as "hypernumbers." These hypernumbers are necessary to the development of equations which described the behaviour of higher dimensional phenomena (such as the subtle energy interactions of living systems). Muse points out that even though imaginary numbers like the square root of -1 may seem impossible to fathom, they are necessary to find solutions in the equations of electromagnetic and quantum theory.

We make the assumption that solutions containing the square root of -1 may be valid in describing higher dimensional phenomena. This allows us to begin to understand the full predictive power inherent in the transformed Einsteinian equation. The diagram below is a plot of the energy of a particle relative to its velocity from a particle relative to its velocity from a theoretical state of rest all the way to beyond the speed of light (c).

Diagram 3
Positive-Negative space/Time Model



The Mathematical derivation is described as follows:

[Skip Mathematical derivation](#)

The Tiller-Einstein Model of Positive-Negative Space/Time

In the above equation Einstein-Lorentz Transformation we see that energy is related to matter according to the proportionality constant containing the ratio $\frac{v}{c}$. As velocity (v) of a particle approaches the speed of light (c) then this ratio approaches 1. If one substitutes into (v) a velocity equalling 99.995 percent of the speed of light, then the ratio $\frac{v^2}{c^2}$ is close to 1 (actually 0.9999). The figure within the square root sign shows that we must subtract our previous solution from 1 : $1 - 0.9999 = 0.0001$. The square root of 0.0001 is equal to 0.01. This solution must now be inverted because it exists in the equation as the denominator of the fractional expression, therefore $1/0.1 = 100$. This means that at a velocity of 99.995 percent of the speed of light, the associated energy calculated from the expression mc^2 must be multiplied by 100. As velocity goes even higher, and even closer to light velocity, the amplification factor becomes exponentially great. The visual expression of this relationship is displayed in Diagram 1.

Remember we are discussing the energy required to accelerate a "physical" particle. If we examine the equation again but this time substitute a velocity greater than light, where v is greater than c . Because the ratio $\frac{v^2}{c^2}$ is now greater than 1, 1 minus a number greater than 1 is equal to a negative number. One ends up with an equation that has a denominator containing the square root of a negative number. This may be factored out to be a positive number times the square root of -1. This number has been called "i" by mathematicians. It is a factor which can be substituted for the square root of -1 (for ease in dealing with difficult equations). The square root of -1 is considered an imaginary number by most individuals dealing with numbers. As stated already, Muse points out that even though imaginary numbers like the square root of -1 may seem impossible to fathom, they are necessary to find solutions in the equations

of electromagnetic and quantum theory.

We are interested in the behaviour of matter and energy as described by the Einstein-Lorentz Transformation. When we are dealing with systems whose velocity exceed the speed of light. When we substitute velocities greater than light in the equation a second inverted curve appears with a mirror-like symmetry to the first. Whereas the first curve begins at the zero axis and climbs toward positive infinity (+ infinity), the second curve begins at the negativity (- infinity) and returns back to the zero axis. Tiller refers to matter described by the curve to the left of c , (at velocities less than the speed of light) as the world of *Positive Space/Time* (+S/T) and the world of *Negative Space/Time* (-S/T) where energy is magnetoelectric and negativity entropic, and substance is of a subtle magnetic character. Negative is the dimension of the etheric world of energies which includes the human etheric body. The substance which makes up our etheric bodies vibrates at speeds faster than light making it difficult to directly measure with conventional electromagnetic sensing equipment. It is theorized that the astral world also exists within the negative space/time dimension at vibratory speeds exceeding those of the etheric. The developed clairvoyant is able to perceive these subtle energies because he or she is able to take in energy via the etheric and astral chakras, which act as organs of perception on the appropriate levels of reality.

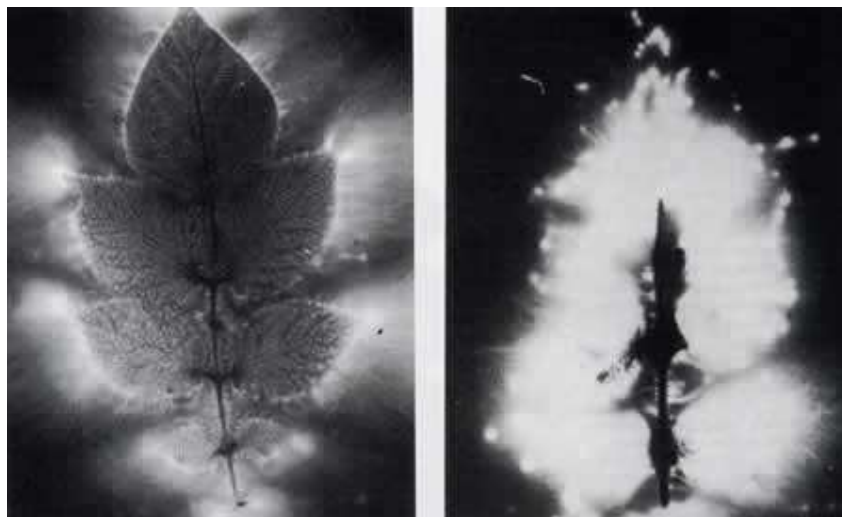
A number of physicists have proposed the existence of a particle known as a "tachyon", which would theoretically exist only at speeds exceeding that of light velocity². The properties of such unusual particles at faster than light velocity are quite interesting. Unlike Positive Space/Time matter which is associated with forces of electricity and electromagnetic (EM) radiation. -ve Negative Space/Time is associated primarily with magnetism and a force which Tiller describes as magnetoelectric (ME) radiation. Electromagnetic theory predicts that magnetic monopoles- particles magnetically charged either North or South should exist in nature. No one has yet successfully captured or repeatedly detected magnetic monopoles. It is possible that if a domain of this particle is in tachyonic realms like those in Tiller's negative space/time model, then our present measuring equipment may be inadequate (or insensitive) for the task. As all solutions to the Einstein-Lorentz Transformation at supraluminal (faster-than light) velocities are negative in character, then negative space/time matter would have negative mass and demonstrate the property of negative entropy. Entropy is a term which describes the tendency toward disorder. In general, most systems within the physical universe tend toward increasing positive entropy and more disorder over time. However the most notable exception to this rule is living systems. Biological systems take in raw material (food) and organize these simple components into complex macromolecular structures (such as protein, DNA, collagen etc.). ***Living systems display the property of negative entropy, or a tendency toward decreasing disorder of the system.*** One may say the life-force seems to be associated with negative entropic characteristics. (When a body dies and the life force vacates the physical form, the remaining unoccupied shell returns, via earthly microorganisms to its raw constituents, in characteristic positive entropic style.)

Is life, then, particularly developing life, somehow connected to the universe of negative space/time and the energies that may be found there? Kirlian photography is a good tool to further look into this possibility.

To produce a Kirlian photograph (also known as an electrograph), a high-frequency power source is connected to an electrode beneath a sheet of film, creating an electrical field of high potential that bathes the film. When a grounded object is placed on the film in complete darkness, the electron trails

created by electrons flowing from the charged plate to the grounded object create an image. Just as an MRI produces diagnostically valuable results only when the frequency of the apparatus is set to resonate with hydrogen, **the discharge corona produced by a Kirlian photograph is significant only when the frequencies of the power source resonate with the negative space/time frequencies involved in biological system.**

Understanding this seems to be the key in replicability of Kirlian photograph experiments, such as the "phantom leaf." If a piece of a leaf is removed and the remaining leaf is grounded and placed on a Kirlian plate, the resulting image is still that of the entire leaf. What is more, if the vein side of the leaf is placed against the plate, the image of the missing portion is of the veined side of the leaf. If the pore side is photographed, it is the pore side of the missing portion that produces an image. This would be equivalent to slicing off the upper fingers of a hand and taking electrographs of the front and back of the hand. One electrograph would show phantom fingerprints, and the other would show phantom fingernails. The spatial and organizational properties of such a biological energy field would seem to be holographic in nature (2). This supposition is further evidenced if the missing piece of the leaf is a circle removed from the center. The resulting electrograph reveals a leaf with the circle, which contains an image of the entire leaf with a circular hole in the center containing a tinier leaf.



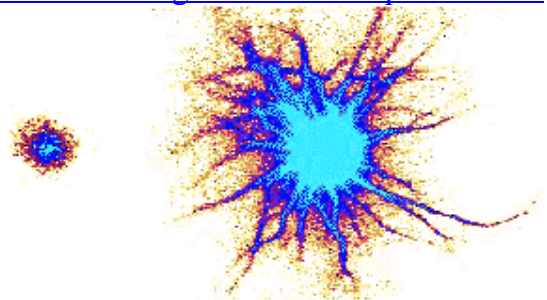
Dr. Harold Burr discovered that, in plant seedlings, the contour of the electrical field surrounding the new sprouts followed the shape of the adult plant. Taken together with the results from Kirlian photography experiments, we might now surmise that there is indeed some sort of holographic energy field that provides guidance and spatial orientation to the rapidly developing tissues and organs of an embryo - an energy field template(3). This energy field is often referred to in vibrational healing as the "etheric body."

The etheric body a self-organising holographic energy template, would also seem to demonstrate negative entropic properties. The etheric body supplies the spatial ordering properties to the cellular systems of the physical body. This negatively entropic characteristic of the subtle life-energies and the etheric template would appear to satisfy at least one requirement of Tiller's negative space/time matter.

In addition *negative space/time is primarily magnetic in nature*. In Bernard Grad's experiments on the effects of laying on of hands healing on living systems, it was discovered that the growth rate of plants

could be accelerated by magnet-treated water as well as healer treated water. A number of other similarities between magnet- and healer-treated water have also been found. Research chemist Robert Miller found that copper sulfate dissolved in regular distilled water forms jade-green monoclinic crystals when it precipitates out of solution. If the copper sulfate solution is exposed to the energies of a healer's hands or a strong magnetic field it always forms coarser grained turquoise-blue crystals, instead of the characteristic jade-green crystals.³

Kirlian Aura Images of Two Drops of Water



One of the most fascinating research directions on Earth at present is the study of the Aura and bio-energetic structure of water. This research is conducted in Russia by Prof. K.Korotkov.

Two Kirlian Aura images of seemingly identical drops of water, kindly provided by Prof Korotkov, are shown. The left image depicts Aura vibration around a drop of normal water and the right image shows the Aura around a drop charged by the famous Russian healer Allan Chumak during ten minutes of conscious concentration. The difference in the bio-energy glow is dramatic: the bio-charged water has more than 30 times stronger Aura vibration and significantly altered physical and biological properties.

Contemporary physics cannot explain the above change in water glow which, technically speaking, is a purely physical process involving an electrical discharge in air around the drop. The main reason for this is that a great majority of “scientists” on Earth completely ignore our consciousness in their perception of Reality. Prof. K.Korotkov says that the increase in the Aura around a drop of water cannot be explained without considering the energy and vibration of our consciousness. Water Aura experiments are indisputable evidence that our mind, when properly trained, can dramatically change the qualities of matter.

Studies by Dr. Justa Smith⁴ a nun and biochemist working at the Human Dimensions Institute at Rosary Hill College in New York, found that the healer was able to increase the enzyme reaction rate over time, and that the longer the healer held the test tube of enzymes, the more rapid the reaction rate. Similar effects on enzymes, had been noted with high intensity magnetic fields. The strength of the magnetic fields utilized were approximately 13,000 gauss 26,000 times the intensity of the earth's magnetic field. The type of change in enzyme activity activity noted after exposure to healers was always in a direction of greater health of the cells, and thus of the organism. Whatever the enzyme used the healers always caused changes in activity which would result in a push to greater health and energy balance of the sick organism. Dr John Zimmerman at the University of Colorado has also demonstrated significant increases in the intensity of the magnetic fields emitted by healers hands⁵. The increase in magnetic field signals from healers hands were up to several times larger than

background noise. However, again these fields were at intensity levels far weaker than those required to produce enzyme effects in the laboratory. ***The suggestion is that the subtle life-energies of healers seem to have primarily magnetic properties.***

Dr Tiller theorizes that negative space/time is the domain of the etheric. A third substance called "deltron" has been hypothesized to act as an energy-bonding coupler between the etheric and physical worlds. Tiller feels that the postulation of this deltron intermediary was necessary because there are no resonant vibrational modes possible between etheric and physical energies in view of the fact there is no frequency overlap between positive and negative space/time. (This may not be actually the case as we know there can be interactions between higher and lower octave of energies, possible through resonant harmonic effects, as in the case of photographing the Phantom Leaf Effect). The important revelation is that we have a theoretical model of matter/energy relationships which begins to give us a mathematical foothold on the physical universe, the physical-etheric interface, and the world of etheric substance. ***What is most interesting about the entire positive-negative space/time diagram is that this model is predicted by Einstein's relativistic equation!***

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