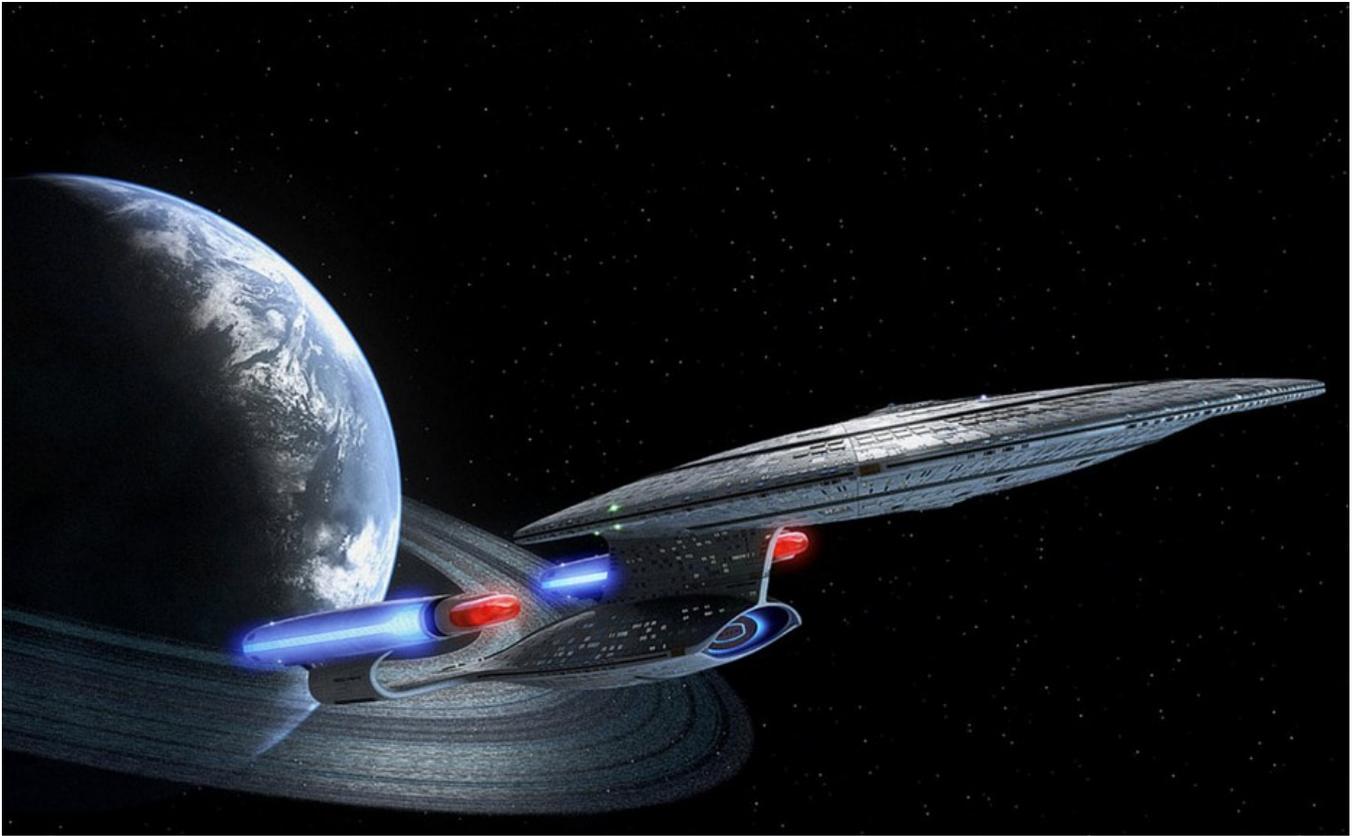


# Gravity for Warp Speed

By John Frederick Sweeney



## Abstract

Einstein's flawed understanding of gravity has misled modern physics down the wrong path, while his contemporaries held the correct understanding. This paper reviews the concept of gravity in light of Vedic Nuclear Physics, and the understanding of gravity proposed by H. A. Wilson, Harold Puthoff, Alcubierre, Davis, Robert Dicke, Hoyle-Narlikar theory and others. Finally, this paper explains the "worm hole" or Substratum tunnelling effect which may make interstellar and intergalactic space travel possible. In short, this paper provides the concepts necessary for interstellar travel in the near future.

# Table of Contents

<b>Introduction</b>	<b>3</b>
<b>Gravity in Vedic Physics</b>	<b>7</b>
<b>Einstein's Paradigm, Einstein's Mistakes</b>	<b>15</b>
<b>Sedenions and Gravity</b>	<b>18</b>
<b>Worm Hole Tunneling</b>	<b>25</b>
<b>Conclusion</b>	<b>25</b>
<b>Bibliography</b>	<b>26</b>

# Introduction

“Warp speed, lieutenant!”

So commanded Captain Picard in Star Trek: Next Generation, as my German friend would watch his favorite TV show while drinking Beck's beer and relaxing after his afternoon football practice in my Berkeley flat. A future journalist and a future minister both found the show and its foundational concept fascinating – the ability to zip across the Universe in a huge Enterprise at faster than light speeds. Neither of us would have imagined such a speed possible during the 1990's, much less that I would be writing a scientific paper about Warp Speed in 2015.

Here we are in 2015 and this article soon goes online. Something called me to review the case of an online friend, Blanche McLanahan, “She Who Watches” and the similar case of Stanley Romanek. The latter case captured my attention because some of the equations he wrote while apparently sleep – walking contain Egyptian hieroglyphics.

In 2014 I published a Vixra paper which argues that the Am Duat, the ancient Egyptian “Book of the Dead” in fact describes the Substratum in Vedic, and ancient Egyptian physics. That is to say, that the people of the Vedas and those of remotely ancient Egypt shared a similar science, just as Europeans and South Asians share western culture. Thus, whatever magnificent concepts the Vedic people had, were shared by Egyptians, such as the concept of chakras. As humanity devolves through Kali Yuga, we came into the distorted concept of Hell via Buddhism and Christianity.

Blanche McLanahan studies crop circles and their messages, and she has received a personal crop circle message written in Hebrew. Blanche McLanahan believes that those who form crop circles on Earth originated here many millennia in the past. Since they possessed high technology, they were able to leave Earth and travel the galaxies. When I recently re – visited Blanche's website, that caused me to re – visit the Romanek Equations. I soon realized, upon reading an essay by Dr. Claude Swanson, that I held the key to the missing gravity equations necessary for humanity to build faster than light space craft.

The vimana is supposed to be an ancient Vedic space craft which could fly at tremendous speed, and the Hindu people of India retain cultural memories of them. Vedic literature contains epic stories about battles and wars fought in the sky with amazing weaponry. Radioactive spots in contemporary India indicate that the ancients may have even fought nuclear war in the distant past.

Coffin lids and other illustrations from Mayan stone monuments in Mexico and Belize show ancient Mayans riding in what appear to be fast – moving space vehicles. One speculation of mine is that a group of Mayas departed from Earth at some point, abandoning their cities and leaving just a small population behind – the people who remain in that region today.

For these reasons, it appears highly plausible that ancient science holds the key to future space travel for humanity. If the ancients once had advanced technology, it is enough for us to re – discover this science to imitate their great achievements, short of nuclear war. We have reached our Moon on the basis of Werner von Braun’s rocketry skills, and we can travel much further with the technology of our remote ancestors. The only barrier to this goal is the limit of our own imaginations.

The work of Charles Muses tested the limits of the imaginations of mathematicians and scientists, and found them failing. Muses invented Sedenions, yet only a handful of researchers have since followed up on his ground – breaking work. Muses tells us below that the Sedenions are needed in calculating gravity. The very lack of interest and research in Sedenions indicates that few scientists possess the gumption to provide a revision of gravity.

This paper re – states the work of Dr. Claude Swanson in summary form, yet it behooves the reader to return to the original, and previous work, to gain a full understanding of the background of these equations. In the same way, this paper summarizes the work of early pioneers, yet the reader stands advised to review the original work of these geniuses, whose careers were eclipsed by Einstein.

In the author’s view, Einstein may have held some genius, yet he was vastly over – rated, primarily for political reasons, which should never intrude upon science. Einstein made as many mistakes as achievements, yet these were hushed up for decades, over the political need to make Einstein appear infallible, like the Pope or some socialist autocrat. Such childish behavior keeps western math and physics as immature as socialist economies before the fall of the Berlin Wall. History since 1989 reveals what life was like behind these Potemkin Village walls.

As a graduate student at UC Berkeley, I was dismayed upon the arrival of the class behind my own in the journalism school. Each member of that class believed that he or she deserved a full – time byline at the New York Times or the Washington Post, and like Charles Colson of Watergate infamy, each would have run over his or her grandmother to achieve that goal. Albert Einstein had such a drive for fame and fortune that he stole from his contemporaries, and he eventually became world famous. Yet Einstein’s drive for fame and fortune came at too high a price for humanity, science and his contemporaries. Einstein essentially set back science by a century in his drive to make himself famous.

With the Einstein Paradigm deflated, the world will have the opportunity to experience new ideas, in the form of the ancient ideas of Vedic Physics. This paper presents the Vedic Physics construct of gravity, as well as a key point made by Dr. Claude Swanson: the Romanek Equations point towards a type of “worm hole,” yet one which is created by an object as it travels across space. As much information from the source book is included here to give readers a broad understanding of the Vedic concepts.

Finally, this paper makes the connections between information sources, and forms an argument which may help other researchers to assemble a faster than light space craft. Swanson’s paper summarizes the defects and missing bits of theory needed to achieve this goal, and the author hopes that this paper supplies the necessary missing parts.

# Einstein's Paradigm, Einstein's Mistakes

Albert Einstein did not discover the famous  $E = MC^2$  equation, he stole it from contemporaries who were far more brilliant and accomplished. Over the past decade, a few writers have helped to deflate the Einstein Paradigm, which has led to the stagnation of western science. In essence, a group of Zionists made Einstein into a world famous figure, much in the same way Elie Weisel was created as a martyr for Jewish victims of WWII. Russia lost at least ten times, if not 100 times the number of people as the Jews in that war, yet the world knows no such a suffering Ivan.

The campaign to glorify Einstein into a Zionist hero led to amplification of his achievements and obscuring of his mistakes – until about the year 2000. In this way, Einstein has come to represent the intellectual, and he had become as infallible as the Pope in Rome. Yet Einstein was only human and a seriously flawed human at that.

The amplification of Einstein's name led to the loss of attention on his meritorious contemporaries, who came up with more accurate conceptions of gravity. Time has forgotten those scientists, until recently, when humans were reminded of their importance. This paper includes a brief summary of their work.

The excerpt below on Vedic Physics explains in detail where Einstein went wrong in conceptualizing gravity. Vedic Physics in fact posits a gravity of four grades, which can be manipulated for the purposes of interstellar space travel. In addition, the paper describes a function of the Thaamic Substratum akin to the worm holes described by Swanson. This function may prove the mechanism which will allow interstellar travel at faster than light speeds.

All we need do is change our scientific conceptions.

# Gravity in Vedic Physics

The following is from *Secrets of Sankhya*. The reader may refer to previous Vixra papers by this author concerning general aspects of Vedic Physics, especially the concept of the Substratum, composed of invisible Dark Matter, as well as the two other states of matter, stable 8 x 8 Satvic and dynamic 9 x 9 Rajic.

General Relativity, though considered an axiomatic derivation, depends critically on the measured values of light-velocity and the gravity constant.

Development of a simple generic equation for any interaction in the Substratum is shown below. Sankhya does not segregate phenomena into domains of force. Logically it cannot because only vibrations are involved and the difference in interactive potential can vary from a single count to the sixth power of L within a cycle.

Any volume can be described by length cubed or  $L^3$ , and if

$$L = V \times T$$

(Velocity into time) then

$$V^3 \times T^3$$

will be the new definition of that quantity.

$$M = L^3$$

whose volumetric form is

$$V^3$$

and density is

$$T^3$$

Using a dynamic description, R can be defined as a rate of change C into time interval T. Then, in a state of freedom to interact, two sets of polarised factors present themselves for manipulation, keeping N at unity :

$$R^3 = (C \times T^2) \times (C^2 \times T) = \text{Volumetric form}$$

$$R^3 = (C \times \text{superposed interval } T^2) \times (C^2 \times \text{interval } T)$$

Consequently:

$$M = R^3 \times N^3 = C^3 \times T^3 \times N^3$$

While time T can be measured and has a meaning, the square or cube of time T, must be eliminated, since it cannot form a detectable parameter.

Re-writing that equation with  $C \times T = R$  as a measurable parameter, then the mass

$$M = R \times C^2 \times T^2 \times N^3$$

Since the dimensionless ratios, density as N cubed and time as T squared, cannot be measured directly, their product can be written as the constant G in an equation where

$$G = T^2 \times N^3$$

C can be measured along any axis, so the simultaneous combinations of C along all 3 axes is presented as the cube of C

$$M = R \times C^2 \times (T^2 \times N^3) = R \times C^2 \times G = R^2 \times (C / T) \times G = T \times C^3 \times G$$

$$\text{Or } M / G = R \times C^2 = R^2 \times (C / T) = T \times C^3 = (R \times C^2 = M \times (1/G))$$

Some will recognise the last as a dimensionless harmonic equation, equivalent to the well known Newtonian gravitational expression (Newtonian

gravity constant is Gn)

$$(R v^2 = G_n M) \text{ or } v = \sqrt{\{ (G_n M) / R \}}$$

if the gravity constant Gn is taken as the reciprocal of G and v as C.

Sankhya philosophy shows that the constant G hides a very large range of simultaneous interactions. There are no direct equivalent terms in current physics which define the 4 phases within the gravity constant domain. Therefore, the highly - specific Sanskrit term is given instead.

### Raja Interactive Oscillatory Cycle G = Constant

Class of activity	Coherent state	Dynamic state
Substratum state	Yuga	Krama
External	Abhiman	Ahankar
Internal	Linga	Bhava

The oscillatory rate C remains stable because it is caused by the first level of increment from one to two. The constancy of C provides the stable ground level that maintains the variable parameters in a proportional and controlled state with reference to the C constant. These equations can be transposed as follows:

$$M = R \times C^2 \times G = R^2 \times (C / T) \times G = T \times C^3 \times G \text{ and rewriting} \\ T \times C^3 = M / (T^2 \times N^3) = (M / G) = L^3 \text{ when } T = 1$$

While this equation expresses the equality of the change on the left side, the right side  $L^3$  must be kept constant because it represents the absolute reality. Constancy is maintained by the hidden parameters in G.

In mathematical terms this is a sterile equation, because if the right side must not be changed and C is stable, then T cannot change.

But this is not so. C is the axiomatic rate of vibration in any direction. The total in all three directions is  $C^3$  in a cycle but there is nothing to prevent it synchronising or vibrating simultaneously in step or in phase in all directions, along all 3 axes, at the same rate of C.

For example, if 10 people clap their hands in sequence, the 10 events could be counted, but if all of them did so simultaneously, then only one event would be registered, albeit with an louder difference.

All this can happen within the Substratum only because vibrations transmigrate through a self-similar law of interaction along the invisible components. The change in the self-similar coherent state involves the mere shifting or sliding of the power index in a Pascal triangle of indexed constants to infinity.

The ubiquitous singularity, the gravitational collapse, the black hole, the coherent and kinetic potential interactive gradient, the asymptotic freedom state of quarks, the proton – electron boundary unit configuration, the spectrum of electromagnetic phenomena, the molecular ensemble, the galactic stellar planetary combination, and so on endlessly relate to gravity.

Sankhya describes gravity as the association between a blind man and a lame one, trying to get out of a deep hole. The integer mathematics formulation shows that the build – up of a coherent state, labelled as a collapse, is the most natural phenomenon in a holographic mode.

Any normally self – resonant activity will collapse into a coherent state if obstructed. Thus gravity is born, the root of all forces, which changes colour during its climb to the boundary in eternal time without changing M, but by changing its internal state of the constituents of G.

Gravity can occur anywhere and everywhere, at any place, at any time, but only within the Substratum that functions in a holographic way. In fact, gravity happens all the time as the quantum fluctuations in the vacuum of space. The change from  $C^3$  to  $C^2$  and C by synchronising of the axes, provides the three interactive categories of hadronic, bosonic to photonic and leptonic states.

From the largest conglomerate group - a Galaxy - to the smallest Moolaprakriti, are established as a continuum, and all function by the same formulation. All interactive exchanges are described by the same expression, regardless of size or cyclic period.

Manifest objects are finite and mathematically definable, but the Substratum and its duration lie beyond any definition because it is an absolute and fundamental state, only with reference to which the entire process of manifestation has meaning.

The answer to the most enigmatic question ‘What is gravity’, sought so assiduously by researchers, is provided by Sankhya logic. Gravity is caused by a missing interactive count. The count is missed because it synchronises

with an adjacent interactive count. A movement of an interactive location (seen as a force) is caused when an equal and opposite reactive interactive state does not arrive at the same point at every cycle of interaction.

In real terms, the foregoing state is the cause of any movement and becomes a force when a number of units act simultaneously to destroy the balance that two equal interactive states maintain.

The enigma of gravity as a one - sided movement is explained by the fact that when a large number of interactive states act simultaneously and synchronously, a proportional number of reactive counts to act simultaneously, with the result that a gap in the interactive cycle is created.

The gap in interactive response creates an inward or “attractive force.” The phenomenon of inward acceleration appears as spheres or rings of simultaneous interactive states moving towards a ‘mass,’ because the reactive response has failed to arrive in time to maintain the balanced location. The aggregative units of interactive states represent a movement of stresses.

The Substratum is a continuum. Detection takes place only at nodal positions, since only integer counts mark the end of the interactive process. In between nodes, two parameters identify any state. There is no uncertainty in the Substratum, for every interactive event is due to specific cause. Locations are bound by laws of cubic resonance. Nothing moves in the Substratum, but stresses transmigrate as vibratory ensembles. Solidity establishes when the rate of compressive modes exceed

$$c^{1+x}$$

counts per cycle or a femtosecond. The field becomes continuous and simultaneous transmission of counts increases wavelength. Lower count rate or long wavelength regions act as absorber states.

Summarising the above, one gets the value of a maximum charge when a

$$(c^{1+x})$$

synchronised count along two axes splits to lose synchrony and becomes

$$(c^{1+x})^2$$

count value as a quantum of charge in motion.

Reversing this action by combining

$$(c^1+x)^2$$

to synchronise exactly in phase along two axes makes

$$c^1+x$$

vanish and only so that mass value of  $c^2$  appears as a hidden count because

$$(cx)^2$$

being a coherent stress count increase during an interaction, escapes detection but turns up as the reciprocal of the gravitation constant in space to restore an equation with a missing mass value.

In other words, mass and charge are momentary count increases, because of stress during an interaction and equates the coherent 'restful' state to  $G$  as the gravitation constant which quantifies the accelerative increase in stress during an externalised interaction as a charge with a value of  $E$ .

Control parameters in the Substratum cover six sequences in three loops, which highlight the constant forward control necessary to maintain a Substratum in a coherent and stable state.

Newton empirically derived the static gravitational macro field parameters at the outer level by developing calculus to prove the concept of a mechanical-object based reality mathematically and established the gravity constant  $G$  as a unit of dimensionality.

The gravity constant  $G$  is half the reciprocal value derived by using Sankhya principles based in the "Thaama-Raja-Sathwa" Guna concepts. The Newtonian derivation is equivalent to using only the Thaama aspect while ignoring the Sathwa and Raja factors involved in the common zero interval that reduces the true  $G$  value by half.

Maxwell derived from micro field theory the same gravity parameter, that seems different, by following a combination of empirical and theoretical premises similar to the Sankhyan Sathwa concepts, but kept aside the Thaama and Raja factors.

The impedance value 377 of Maxwell space is in fact related directly and exactly to the Newtonian gravity constant  $G$ , because Maxwell took into

reckoning again the common cube between the vertical and horizontal that made a logarithmic difference, which separated the same coherent field as two different E and B axial activities at the observable or sequential level.

Planck mathematically exposed this missing common cube at zero interval as a quantum with density at the detectable level, but the state of mathematics did not encourage him to look into this cubic quantum activity within the instant cycle.

In Sankhyan terms, Planck's effort dealt with the Thaama and Sathwa states, but he failed to expose the Raja interactive state which involves the gravity parameter G hidden in the quantum as a simultaneous phenomenon that was unimaginably larger than the spectrum he had investigated, for Sankhya shows it to be the repository of all potential.

The near ideal Hoyle-Narlikar theory, based on conformal invariance eminently unified both the macro and micro fields at the observable level. The attempt to bridge the internal shortfall in potential, by absorption of radiation, was ideologically correct, for it provided the necessary compensatory "mass" build - up and the consequent phase shift in internal coherence (thereby eliminating the Hubble parameter). However the "instantaneous" mathematical barrier prevented the theory from predicting verifiable phenomena.

In Sankhyan terms, it justified the Raja link to the Sathwa and Thaama states in external Bhava time, but fell short by failing to mathematically provide the tunnelling instant Abhiman advanced potential connection with the Ahankar phase shift to balance the Bhava external change.

Einstein bridged the Maxwell shortfall in potential by the Lorentz mechanism that provided an equated relationship to velocity at the exposed or radiated level but failed to extend it to simultaneous or high density regions, once again due to a conceptual breakdown in mathematically appreciating that the point and the interval were as important as the Universe itself.

While Einstein was probably able to realise conceptually the total equivalence of electromagnetic and gravitation phenomenon, he came close to a total unification by his intuitive but arbitrary inclusion of a cosmological constant, that in fact provided the perfect conversion scale of time and space within the instant, but his concept of mathematics and the structure of space confounded by the Hubble parameter, left a logical void that he could not bridge.

That he postulated the principle of equivalence brought him close to seeing the holographic nature of phenomena, but the power of Riemann geometry dominated. That the principle of relativity led naturally into an enigmatic 'four' dimensional space gave the clue to the holographic nature of reality. One would be forced to describe a hologram in terms of an understandable 3 - dimensional space in which the time varying vibrations remained in the same locations, leading to the illusion of four dimensions.

In Sankhyan terms, Einstein investigated the Raja characteristics just outside the instant, the external metric of spatial "infinitesimal distance and zero time" which were in the sequential Bhava domain, but failed to connect the Abhiman / Ahankar phase lying just alongside, inside the instant cycle.

Sankhya taught the trick of peering over this "instant" barrier, by making people mentally change the so - called horizontal axis 'velocity or Bhava' representation, onto its head, as a vertical axis 'potential-Linga-vector' as an Abhiman potential in instant time.

The description of cubes stacked in the x and y axes depends upon the observer's orientation. Sankhya proves that both were exactly the same in a holographic, oscillatory, field of the Substratum, that is, in a coherent, synchronised, eternally dynamic, invisible state of total democratic, self-similar freedom called Kaivalya; which is the ultimate, yet is the original primordial state. "Vibrations remain vibrations despite all changes and manipulations" and "vibrations remaining in the same location appear solid."

The natural drift of active states towards lower or reduced activity levels is purely due to the action and reaction counts not being cyclically equal. For example, if 20 interactions per cycle (ipc) unit interacts with a 10 ipc unit, the 20 ipc will move in towards the 10 ipc unit, because for every 2 counts, there is only one reacting count to attain a balance of counts.

This is the fundamental cause of transmigration of counts between any two different count rate states, and the only reason that all identified forces in physics, such as gravity, electromagnetic, weak and strong forces, all accelerate from a higher interactive count rate to a lower one.

At the basic elemental level, this drift of Moolaprakrithy counts towards the Purusha coherent states is observed as a gravitational phenomenon. At intermediate levels, this type of count migration displays the Linga/Bhaava and Abiman/Ahankar changes in the Thaama-Raja-Sathwa Guna characteristics, which represent the strong, weak and electromagnetic interactive spectrum...

At denser level fields, in space, the vapour, fluid and solid phase - change states are caused by the Guna characteristics in exactly the same way, where the interactions along the the three axial directions synchronise, act in step as harmonics or merge in precise step.

Therefore the Galactic centre, the Sun, the planets, the hadronic nuclear states like the neutron, proton electron and all such forms that have a coherent internalised count state must seem to attract non coherent ensembles.

Given the many interactions which occupy the same place, the reactions behave as though many components act reactively at the same time (or synchronously). The effect is a multiplication of the reactive value, or an increase in the mass (Linga) characteristic of the core.

Now the core acts in unison and displays centre of mass characteristics as an ensemble or collection of components acting in unison. Whenever the activity along the axis synchronises in rate with an axis in another direction super - positioning takes place along the circumferential position simultaneously on all sides.

Two - axis synchrony gives a united surface of activity, with a flexible centre of mass, which typically is the electromagnetic behaviour in a fundamental field and the liquid / fluid status in a molecular field. Three axis synchrony provides the solid phase behaviour and a particle with a dense and fixed centre of mass characteristics.

In a three - axis synchronisation, interactive counts merge and reduce which then provides a lower count state towards which the higher counts drift, giving the effect of attraction, inward acceleration etc. Effects of gravity and electromagnetic acceleration are caused by the same principle.

Any Sankhya equation is always the algebraic sum of three Gunas as Thaama (strong force), Raja (weak force and gravity) and Sathwa (Electromagnetic force) or a ratio of Thaama / (Raja into Sathwa). Thus, all equations compare along three real dimensions.

There are three cyclic states to define time, which are governed by three principles, Simultaneity, Self-similarity and Relativity. These have scalar (full force), tensor (stress - dependant force) and vector (time dependant force) characteristics, respectively.

We (and all other things too) are always immersed in this resonant sea of vibrations. In other words, we are continuously covered by a sea of energy. While space is in a coherent or apparently passive state, we exist

continuously in an active or manifest state.

If we want to absorb this energy, we must reverse our state and reach the same coherent or passive level. Maharishi Patanjali provided a method using the most fundamental scientific parameter in the universe, the force of gravity.

The key to achieving success in any walk of life lies in understanding what we are going to do. Briefly, we must understand a simple phenomenon called simultaneity, which forms the underlying cause of gravitation and the process of Siddhi.

# Sedenions and Gravity

Charles Muses, who was ignored by his contemporaries because they could not accept his far-reaching theories, concluded that Sedenions were needed to understand gravity. He wrote:

Therefore quantum field theory (and specifically gravitation theory requires) the E-dimensional space or M-algebra, a fact that the very workers in the field did not realize because they were not aware of the relevant hypernumber treatment of their problem.

The problem involved this equation:

$$f = \frac{1}{2}(i_1 + \epsilon_3) = \frac{1}{2} \left[ \begin{pmatrix} 0 & -1 \\ 1 & 0 \end{pmatrix} + \begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix} \right] = \begin{pmatrix} 0 & 0 \\ 1 & 0 \end{pmatrix},^6$$

$$g = \epsilon_2 + i_4 = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} + \begin{pmatrix} 0 & -1 \\ 1 & 0 \end{pmatrix}.$$

# QUANTUM GRAVITATION

Continuing now the discussion of hyper - number in gravitation theory, we have seen that Graves-Cayley-Dickson or Octonion algebra is not enough for quantum physics, and that only M-algebra will do. Using it, we wrote f and g (the two anti - commutative nilpotents quantum theory requires) in simplest explicit form as

$$f = \frac{1}{2}(i_1 + \varepsilon_3) = \frac{1}{2} \left[ \begin{pmatrix} 0 & -1 \\ 1 & 0 \end{pmatrix} + \begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix} \right] = \begin{pmatrix} 0 & 0 \\ 1 & 0 \end{pmatrix},$$

$$g = \varepsilon_2 + i_4 = \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} + \begin{pmatrix} 0 & -1 \\ 1 & 0 \end{pmatrix},$$

which is irreducible to any simpler form in matrix notation. Note the relative

**cumbersomeness of the matrix as compared with hypernumber forms. It is easy to verify from Table 1 that  $f^2 = 0 = g^2$ . Since  $fg + gf = 0$  means also that  $2fg + 2gf = 0$ , we can verify this most easily by using the hypernumber format, and then find, using the subscript rules already given, that  $(i_1 + \varepsilon_3)(i_4 + \varepsilon_2) = i_1 + i_5 + \varepsilon_3 + \varepsilon_7$ , whereas  $(i_4 + \varepsilon_2)(i_1 + i_3) = -(i_1 + i_5 + \varepsilon_3 + \varepsilon_7)$ .**

It is not difficult to show that Clifford algebras (all of which, incidentally, are embedded in matrix algebra with quaternion elements) will not satisfy the criteria for f and g, and hence neither will matrix algebra with real or complex elements; and a fortiori, neither will Octonion or Cayley algebra. Hence, M-algebra is uniquely demanded by unified quantized field theory to minimize dimension.'

Since his contemporaries and most of those in the present generation continue to disregard Muses and his tremendous body of work, few mathematical physicists have studied, much less understand, Sedenions and Trigantaduonions. Their determined ignorance has cost world civilization the opportunity to advance scientifically, to the point of making interstellar and intergalactic space travel possible.

Muses quite clearly explains that a new conception of gravity requires study of the Sedenions, without which science becomes moribund in old ways, such as Sir Roger Penrose declaring Octonions "a lost cause" for physics. Nobel laureates, who ought to lead science bravely into new fields like field

marshals, instead obstruct and hinder scientific progress through willful ignorance.

A few years ago, a New York graduate student wrote this in his dissertation:

*Aside from these two mathematical barriers, Sedenions lack any sort of meaningful physical application thus rendering them all but useless.*

Thus the condemnation and ignorance continues, this young man is probably now a professor some where, passing on his ignorance to his students. No wonder that the United States has entered into a tailspin of decline, while politicians decry the lack of science education in schools. If this young man represents the product of 22 years of American education, then America has much to fear in the mis - education of youth.

the multiplication table for Sedenions:

x	1	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>4</sub>	e <sub>5</sub>	e <sub>6</sub>	e <sub>7</sub>	e <sub>8</sub>	e <sub>9</sub>	e <sub>10</sub>	e <sub>11</sub>	e <sub>12</sub>	e <sub>13</sub>	e <sub>14</sub>	e <sub>15</sub>
1	1	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>4</sub>	e <sub>5</sub>	e <sub>6</sub>	e <sub>7</sub>	e <sub>8</sub>	e <sub>9</sub>	e <sub>10</sub>	e <sub>11</sub>	e <sub>12</sub>	e <sub>13</sub>	e <sub>14</sub>	e <sub>15</sub>
e <sub>1</sub>	e <sub>1</sub>	-1	e <sub>3</sub>	-e <sub>2</sub>	e <sub>5</sub>	-e <sub>4</sub>	-e <sub>7</sub>	e <sub>6</sub>	e <sub>9</sub>	-e <sub>8</sub>	-e <sub>11</sub>	e <sub>10</sub>	-e <sub>13</sub>	e <sub>12</sub>	e <sub>15</sub>	-e <sub>14</sub>
e <sub>2</sub>	e <sub>2</sub>	-e <sub>3</sub>	-1	e <sub>1</sub>	e <sub>6</sub>	e <sub>7</sub>	-e <sub>4</sub>	-e <sub>5</sub>	e <sub>10</sub>	e <sub>11</sub>	-e <sub>8</sub>	-e <sub>9</sub>	-e <sub>14</sub>	-e <sub>15</sub>	e <sub>12</sub>	e <sub>13</sub>
e <sub>3</sub>	e <sub>3</sub>	e <sub>2</sub>	-e <sub>1</sub>	-1	e <sub>7</sub>	-e <sub>6</sub>	e <sub>5</sub>	-e <sub>4</sub>	e <sub>11</sub>	-e <sub>10</sub>	e <sub>9</sub>	-e <sub>8</sub>	-e <sub>15</sub>	e <sub>14</sub>	-e <sub>13</sub>	e <sub>12</sub>
e <sub>4</sub>	e <sub>4</sub>	-e <sub>5</sub>	-e <sub>6</sub>	-e <sub>7</sub>	-1	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>12</sub>	e <sub>13</sub>	e <sub>14</sub>	e <sub>15</sub>	-e <sub>8</sub>	-e <sub>9</sub>	-e <sub>10</sub>	-e <sub>11</sub>
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# Alternatives to Einstein

Dr. Claude Swanson

In this case the equations are based on published theories which are non - standard, which are not accepted by mainstream physics. Many of them convey a similar theme: the possibility of manipulating gravity and space-time in order to achieve faster than light propulsion and possibly anti - gravity. **What is most striking is that these equations represent one of the only known alternative physics theories, consistent with experiment, which might allow faster than light travel.**

These equations may contain a missing secret to twentieth century physics. They imply that it may have taken a “wrong turn” in focusing on the geometrical interpretation of Einstein’s equations. Instead, these equations suggest that gravity may have a hidden electromagnetic nature, and this makes it possible to manipulate it in ways not possible if one sticks to Einstein’s original equations.

This alternative approach also seems to hold out the possibility of the use of electromagnetism to affect the space-time metric in ways not allowed by mainstream relativity.

Some of these equations are related to earlier work by Robert Dicke (Dicke, 1957, 1961) and even earlier work by H.A.Wilson (Wilson, 1921).

In Puthoff’s equations the effect of gravity appears as a changing dielectric constant of space which differs from the conventional value by a factor  $K$ . This provides an alternative understanding of the Eddington experiment, for example, which observed the bending of starlight past the sun (Eddington, 1921).

The theory assumes that gravitational effects of this kind are due to the variation of the dielectric constant of space around massive objects, as described by the variable  $K$ . When space-time is flat (no gravity) then  $K=1$ . As  $K$  departs from 1, the speed of light will be different (it varies as  $c/K$ ) and space will show an effective curvature because the metric of space-time is also affected by  $K$ . As Wilson, Puthoff, Dicke and others have shown, this leads to a metric which shows distortions in time and lengths which are consistent with General Relativity, but with a very different interpretation.

These equations relate to the static solution of gravity around a charged sphere using this alternative theory, which Puthoff calls the P-V Theory or “polarizable vacuum” theory. They are written below as equations (7 – 11). The amount of polarization is given by the factor  $K$ , which in turn can be thought of as proportional to the distortion in the metric (the gravitational field).

The top equation in Figure 1, correcting for typos, is then:

$$(1) \quad \nabla^2 \sqrt{K} - \frac{1}{(c/K)^2} \frac{\partial^2}{\partial t^2} \sqrt{K} =$$

$$-\frac{\sqrt{K}}{4\lambda} \left\{ \frac{m_0 K^{3/2} (c/K)^2}{\sqrt{1 - \left(\frac{v}{(c/K)}\right)^2}} \left[ \frac{1 + \left(\frac{v}{(c/K)}\right)^2}{2} \right] \delta^3(\vec{r} - \vec{r}(t)) + \frac{1}{2} \left( \frac{B^2}{K\mu_0} + K\varepsilon_0 E^2 \right) - \frac{\lambda}{K^2} \left( (\nabla K)^2 + \frac{1}{(c/K)^2} \left( \frac{\partial K}{\partial t} \right)^2 \right) \right\}$$

This is identical with Equation 59 of (Puthoff, 2002). In different notation, it is equivalent to Equation (67) of (Dicke, 1957). The term on the left side of this equation describes the propagation of a wave at speed  $c/K$ , and the right side of the equation (second line) describes the source terms which create such a wave. The Greek letter lambda  $\lambda$  in Equation 1 represents a constant involved with gravitational coupling:

$$(2) \quad \lambda = \frac{c^4}{32\pi G} = 1.2 \cdot 10^{42} \frac{\text{kg} \cdot \text{m}}{\text{sec}^2}$$

Puthoff points out that this equation has solutions of the form

$$(12) \quad \sqrt{K} = \cosh\left(\frac{\sqrt{a^2 - b^2}}{r}\right) + \frac{a}{\sqrt{a^2 - b^2}} \sinh\left(\frac{\sqrt{a^2 - b^2}}{r}\right)$$

where the parameter “a” carries the mass information for the gravitating object:

$$(13) \quad a = \frac{GM}{c^2}$$

where

$$b^2 = \frac{q^2 G}{4\pi\varepsilon_0 c^4}$$

As long as  $a > b$ , the solution for  $\sqrt{K}$  is real, and the allowed solutions are hyperbolic. But if the electric component is larger, then  $a < b$ , and the solutions become trigonometric. This may be particularly significant for Equation 1 above, because then it allows sinusoidal wavelike solutions.

*“For cases of propagation near a massive body, for example, we have a reduction in the velocity of light [ $K > 1$ ] by an amount proportional to the gravitational potential, a result first noted by Einstein himself (Einstein, 1911). For the case of propagation between closely spaced conducting boundaries, as in discussions of the Casimir effect, we have an increase in the velocity of light [ $K < 1$ ] which is associated with the reduction of vacuum fluctuation energy between the plates (Scharnhorst, 1990). In short, as emphasized by Wesson, the speed of light  $c$  is context-dependent and not as fundamental as widely believed (Wesson, 1992).” (quoted from Puthoff, 1996; see also Casimir, 1948; Cramer, 1996; Chown, 1990)*

Equation (1) describes the motion of a wave of dielectric distortion. In the Puthoff equations (Puthoff, 2002) it moves along with a mass  $m_0$  defined by a delta function centered at  $\vec{r}(t)$ . This can represent an object (or craft) which creates the anomaly in the dielectric constant  $K$ . A second equation describes the motion of the mass  $m_0$  interacting in such a field. It is (from Puthoff, 2002)

$$(14) \quad \frac{d}{dt} \left[ \frac{m_0 K^{3/2} \vec{v}}{\sqrt{1 - \left( \frac{v}{c/K} \right)^2}} \right] = q \left( \vec{E} + v \times \vec{B} \right) + \frac{m_0 K^{3/2} (c/K)^2}{\sqrt{1 - \left( \frac{v}{c/K} \right)^2}} \left[ \frac{1 + \left( \frac{v}{c/K} \right)^2}{2} \right] \frac{\vec{\nabla} K}{K}$$

where  $v$  is the velocity of the craft. Here the object being accelerated has mass  $m_0$  and can be electrically charged with charge  $q$ . It could also create a magnetic field, which would further affect the equations. On the right side of (14), the first term is the acceleration due to electromagnetism, and the second term the "gravitational" acceleration from the gradient of the dielectric parameter  $K$ .

Now the equivalent inertial mass is

$$\frac{m_0}{\sqrt{1 - \left(\frac{v}{c/K}\right)^2}}$$

This only becomes large when  $(vK/c)$  approaches 1. That is, when

$$(17) \quad \frac{vK}{c} \approx 1 \quad \text{or} \quad v \approx \frac{c}{K}.$$

**When K is much less than 1, the effective velocity of light is greatly increased, so the limiting velocity is no longer c but c/K. So if we can make K much less than one, then the limiting velocity becomes c/K which can be much larger than the speed of light c. Then the speed of light can be exceeded when K becomes small!**

While the equations in Romanek I (Puthoff "P-V" equations) are rather complex, we can simplify them to examine some of their qualitative properties. The term on the left side of Equation 1 is called a "d'Alembertian," written sometimes as a "box" or sometimes as a "box squared." We shall use the former notation here. In this case, it describes a propagating wave moving at speed  $c/K$ . When the right side of Equation (1) can be set to zero, by achieving field strengths and other conditions so the terms on the right cancel, then it simplifies to:

$$\square \sqrt{K} = \nabla^2 \sqrt{K} - \frac{1}{(c/K)^2} \frac{\partial^2}{\partial t^2} \sqrt{K} = 0$$

This resembles a wave equation for a disturbance propagating at a steady speed  $c/K$ . In a simple one dimensional solution of this type, the dielectric factor  $K$  can be described as a wave moving in the  $x$  direction at constant speed  $c/K$ . However, since the "wave velocity" in the equation involves  $K$  itself, the equation is non-linear and its solutions will be more complex.

# Radius or Diameter?

R + R?: this equation could prove a key issue in interstellar space travel. Vedic Physics posits "diametrical distance acts like a rigid rod" (Srinivasan). Three axes in Srinivasan's theories indicate a sphere.

*"The second equation, with the  $f(\zeta)$  (I assume the symbol in parentheses is the Greek letter zeta), seems to be a step function with the value zero inside a sphere of radius  $R$ , and 1 on the outer edge of the sphere. If this is the case, it should be written*

$$f(\zeta) = \begin{cases} 1 & \zeta \in (R-\delta, R+\delta) \\ 0 & \zeta \in (-R, R) \end{cases}$$

Figure 4. [Figure numbers added]

*where  $\delta$  is a very small length. I don't know what the sphere might be. Finally, if this is a sphere, I would expect the final parentheses to be  $(0, R)$  instead of  $(-R, R)$ .*

Wilson's far-reaching insights came only a few years after the original publication of General Relativity by Einstein. He proposed that gravity can be modelled, and perhaps explained, if one assumes it is due to the electromagnetic interactions of the charged particles making up all of matter. If this is the case, then gravity can be represented as a distortion of the dielectric properties of space, rather than by an entirely separate force, as Einstein assumed.

The work by Puthoff and Dicke further explores the implications of this model, including the changes in other physical parameters which would be required for consistency. Puthoff extended the model by computing several explicit solutions in a number of practical cases, and by focusing on methods and technologies which may help implement the theory...

Puthoff describes the PV equations as examples of "engineering the vacuum." By forcing changes in the dielectric constant using the E-M field, gravitation-like effects are produced. If  $K$  is less than 1, then faster-than-light propagation of signals and masses theoretically becomes possible. The

remarkable thing is that these equations imply that this is possible, and even prescribe how it may be done.

“In SETI (Search for Extraterrestrial Intelligence) conventional wisdom has it that the probability of direct contact by interstellar travel is vanishingly small due to the enormous distances involved, coupled with the velocity of light limitation. Alcubierre’s recent warp drive analysis (Alcubierre, 1994) within the context of general relativistic dynamics, however, indicates the naivete of this assumption.

We show here that Alcubierre’s result is a particular case of a broad, general approach that might loosely be called “metric engineering,” the details of which provide yet further support for the concept that reduced time interstellar travel, either by advanced extraterrestrial civilizations at present, or ourselves in the future, is not, as naïve considerations might hold, fundamentally constrained by physics principles.”(Puthoff, 1996)

By combining the insights from these various authors, it appears that a dynamic foreshortening of space may in principle be allowed, if one creates a traveling wave of dielectric variation (“warp bubble”) which travels at the same speed as the mass itself. This would amount to creating a “temporary wormhole” which travels along with the craft.

If such a solution is possible, then variation of the E-M field would first be generated by the craft, which causes a distortion of the index of refraction  $K$ . This would produce a field similar to gravity and the object will “fall” into it. If the craft continues to create a time and space varying E-M field around it, it will continue to distort space time in front, making a “temporary wormhole” in the direction into which it is pulled.

As it falls, it will continue to distort space in its vicinity. This creates a temporary wormhole which foreshortens space and slows time in that direction. Space behind it will close up and return to normal flat space, but around the object a “bubble” is created in which time and space are altered.

In this case, the craft inside the bubble may seem to travel at less than  $c$ , but outside the bubble it appears to move much faster so the total time to complete a trip is accordingly reduced by the factor  $K$ .

The net effect is similar to Alcubierre's scheme for superluminal travel (Alcubierre, 1994), in that a “bubble” of distorted metric is created around a craft, and this bubble moves at a speed greater than  $c$ , carrying the object with it.

The difference is that Alcubierre's scheme assumes that General Relativity is

correct, and therefore requires highly distorted gravitational fields. It even requires “negative mass,” which seems extremely unlikely to become available.

By contrast, the P-V model offers a method of distorting gravity which, if correct, may be easier to achieve. The unanswered question is whether gravity really behaves this way.

# Vedic Physics on Tunneling Through Space

How does gravity really behave? Vedic Physics holds the answer, and this excerpt from G. Srinivasan explains how gravity really does behave in the Universe.

Local 'perpetual oscillators' in space are triggered by quantum level tunneling signals to sustain a three dimensional holographic reality of a particle. Except for one difference, the electro-magnetic signals hop externally across the local oscillators in space, at the velocity of light. Whereas the phase changes in the three modes of stress tunnel internally across the perpetual oscillators in space as trans - migratory phase-velocities that have no limit.

Components in space act like solids when suddenly accelerated, like rigid rods. Components can never be detected directly for they do not 'radiate,' but the 'stress-gaps' between components radiate as photons. Every 'coherent point' in space contains a veritable powerhouse of energy.

Planckian fluctuations result from resident power in the Substratum of space. The mode of communication of such changes in stress is through a trans - migratory, tunneling process. Such information transmission is virtually instantaneous, because it resonantly transfers the change-in-phase of signals through a continuum of dynamic components in the Substratum that break the symmetry of the normally coherent state in space. Extremely long wavelengths (ultra low frequency) cause phenomenon that is new to physics.

The rate of transmission of "control information indicating the state of vibratory stresses" , defined in Sankhya, as transmigration of vibratory power by tunneling through the Substratum, rises to become "instantaneous" across any conglomerate self - contained unit, be it a galaxy or a nucleus, thereby fulfilling the concept of the missing advanced potential necessary to preserve the principle of causality.

This means that even a Galactic boundary functions in a 'simultaneous' mode as a single entity with a centre of mass characteristics, due to control of it's inner coherent potential by a mere internal phase shift in it's coherent state. It has a cascading and amplifying effect, much like a pantograph arm, while it's diametrical distance acts like a rigid rod due to an extremely high compressibility or rigidity modulus caused by an axiomatic collapse function.

The Ahankar tunneling region, new to physics, from L7 to L is the vertical potential drop that is balanced by a single Moolaprakriti with an uncertainty of 50/49 of the cycle in infinite time sequence as shown by the series above. Each spoke has the corresponding power index signifying the level or rate of transmigration or transmission of vibratory stress within the Substratum.

The maximum differential or relative rate is L6 and the entire simultaneous region of six L

units, forms the coherent, synchronised, resonant, super-symmetric, superconductive, superposed, super dense, simultaneously active, balanced, dynamic, but invisible and undetectable state because the interactions are balanced internally.

The proof hinges on the sequential factor 50/49, supported by an even more exotic and complex time constant series, shown later, defining the simultaneous L tunneling states by a single self-similar numerical value raised to any power index level.

The count of C3 has reduced by synchronising to C along all 3 axes, while time T has increased to T x C2, so that the right side remains unchanged (though G internally exchanges to equalise by tunneling) and this location now vibrates in the breathing mode having acquired the quality of mass (synchronous behaviour) that amplifies activity.

Here all three axes synchronize in the coherent breathing mode, with energy stored as mass by the absorbed value of C2. The c2 factor in g (t2 x n3) has tunneled from observable density n3 to the hidden superposed domain of time t2 as

$$(t2 \times c2) \times n3 / c2$$

It is easy to see this transfer in principle, but experimentally it can be only detected as a change in the mass / energy relationship with a corresponding change in the coupling or bonding mass / energy ratio. Only an intellectual theoretical analysis exposes the tunneling aspect.

Could there be a mathematical procedure that interactively connects, two different potentials of two simultaneous activities at different levels, simultaneously within the instant? Such a mathematical process exists in the form of a Moolaprakriti self-similar integer power series that does not contradict the known laws of science. It polarises this vertical potential in infinite ways through “infinitesimal simultaneous rotations” in identical time constant intervals with predetermined coefficients to balance the super symmetric state of the undetectable components of the Substratum to a constant unity value by tunneling.

The quantised rotation or change of phase is done by mere sliding the index of the self similar ratio, up or down by one unit at any point. All the other indices automatically change to equalise to unity at the SAME moment.

This process is scale invariant and functionally the equivalent of metric Euclidean space dealt with in relativity. It means that, if the interaction along the x axis varies as a kinetic change in velocity or frequency then the y axis must also simultaneously vary as a potential change in wave numbers or height to keep the vector sum constant.

It introduces the necessity of endowing even a line integral in electromagnetic theory or a geodesic in general relativity, with an identifiable potential value that has a starting gradient of 1 by 2. It was this factor that the Lorentz transform identified but was interpreted as shrinking rods and slowing clocks as space was thought to be empty and moving particles as independent bodies with specific identifiable characteristics.

In Sankhya terms, it justified the Raja link to the Sathwa and Thaama states in external Bhava time, but it fell short by failing to mathematically provide the tunneling instant Abhi-

man advanced potential connection with the Ahankar phase shift to balance the Bhava external change.

The internal shift of balance is a logarithmic value of one but it implies a simultaneous change of 10 units or a cycle. Thus, internal changes are identified by the logarithmic index as cyclic changes. Stresses internally tunnel or avalanche by changing the index values by one, which means a shift of 10 counts in a simultaneous cycle. Such phase changes lie beyond detection.

The zero state is kept in balance by Ne transmigration in a tunneling mode. Only when 7 Ne are simultaneously triggered a detectable Vrithi (photon) is radiated.

Such tunneling activity creates phase changes in synchronised states that alter the potential. Dynamic and flexible molecular / cellular / genetic structures undergo a twisting or unwinding stress (without observable movements) through small angles that tend to upset balanced states. Living organisms sense the change and react.

The visualisation process can be extended further by looking at the external surface as an Einstein stress energy tensor boundary activity, and the internal surface of these cubes as the Hawkings super - radiant phenomena. Holding all this together is the invisible central cube acting as the anchor or swivel pin, that really contributes to all the reactions, though it is invisible, literally and figuratively.

Sankhya shows through a real count value that this centre contributes the maximum rate of power transfer =  $c^5 / G$  per cycle. The center transmits power by tunneling as a transmigration phenomenon, involving a variety of particulate states that function like waves when the interval between any two axes is less than  $1/C^{1+x}$ ,

Then the two axes act simultaneously. Therefore, any disturbance interval between any two axes exceeds  $1/C^{1+x}$ . The coherent state breaks down and the transmigration of stresses takes place to initiate a variety of phenomena. Though only one reason has been shown, numerous factors contribute to this coherent state breakdown phenomenon.

For instance the nuclear state of PM, though not detectable when submerged in the C3 coherent state, becomes detectable with certain characteristics. The detectable radius in physics is  $R_p$  and the Compton wavelength is known. Confirmation is as follows:

$$\left| \frac{k - 1}{c^{1+x}} \right| = 5.089059400610^{-15}$$

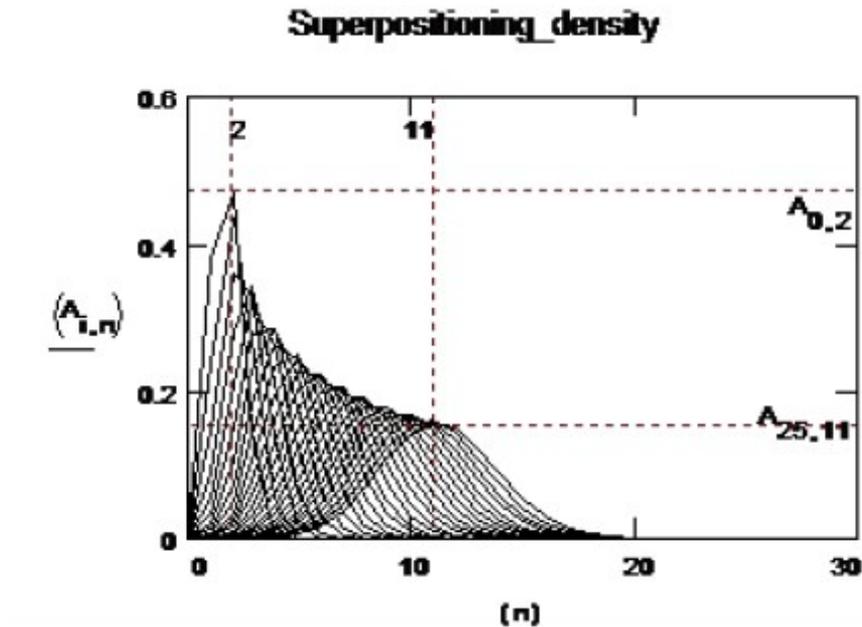
$$\frac{(k - 1)^2}{c^{1+x}} = 1.322753662410^{-15}$$

The factor (k-1) is relative radial expansion when expanding twice cubically. The radial value is still depicts the coherent boundary. When coherence breaks then (k-1) that was synchronised breaks into its time - dependant value of  $(k-1)^2$

When stress in the Substratum rises suddenly due to any type of triggered or impulsive disturbance, reactive changes take place simultaneously. At the basic cyclic level, the cyclic count of 10 rises at the nodal position at  $\frac{1}{2}$  displacement period in the self - similar os-

cillatory rate.

For this reason, the nodal position is raided instantly. The C3 state interacts to simultaneously raise it to the maximum C6.



PM , Me and Ne states are synchronous and phase - related. For this reason, changes in stress transmigration counts will effect its state that would correspond to changes in magnetic moment or gyromagnetic ratios besides affecting bonding or coupling values and interactive cross-sections. In the substratum these factors are standard ratios though it changes to complex forms in aggregated or compounded states. These are shown below.

$$\begin{aligned}
 PMm &= P_x^{\frac{1}{3}} = 2.75664448 & Pnm &= 7^{\frac{1}{3}} = 1.91293118 \\
 Mem &= \left(\frac{2 \cdot \pi}{7}\right)^2 \cdot \left(\frac{10}{2 \cdot \pi}\right)^2 = 2.04081633 \\
 Nem &= \left(\frac{2 \cdot \pi}{7}\right)^2 = 0.80568199 & Vr &= \left(\frac{2 \cdot \pi}{7}\right)^2 \cdot 7 = 5.63977394
 \end{aligned}$$

The ratios are PMm for the Prakrithi Saptha or Proton & Pnm for the Neutron spectrum. Similarly, Mem for the electron & Nem for the neutrino Vikrithi Saptha spectrum. Vr for the radiating Vrithi or Photon spectrum completes the change ratios along the entire Raja region, covering the Linga/Bhava and Abhiman/Ahankar interfaces.

The organic spectrum is governed by a flexible Bhava disposition that retains the Linga coherent state. The angular division for a coherent state must have a ratio of 1/2 or 30 degrees. A coherent structure with six or twelve divisions in a cycle is required, and the Substratum is divided into twelve channels. For this reason carbon chemistry forms the base of organic states.

Coherent divisions from the Andhathaamisra regions give 28 orders of counts that remain stable numerically. The 12 sector (30 deg.) give the reference level for characteristics that added or subtract from the three Guna states as well as the transitions by the linga/bhava and the abhiman/ahankar polarisation factor. The 28 levels of change in descending order were characterised by the Nakshatra nomenclature in the Atharvaveda.

Therefore, astral stress trans - migrations that distort this hexagonal form could be studied to confirm astrological and Ayurvedic divisions, which are based on 12 sectors, with 10 as the summation total, following the Guna principle of self - similar interactions.

Thus, 120 divisions empirically relate the twist due to stresses caused by planetary transits or configurations. The Vernier Effect of  $10-1=9$  gives the degree of overlap of adjacent angular dispositions.

# Conclusion

This paper has reviewed some of the major conceptual errors of the Einstein's Paradigm and mentioned some of the conceptual mistakes made by Albert Einstein, which have misled western science down the wrong path for the past century. The time has come to bring down the facade of Einstein's physics and replace them with the time – honored science of the Vedas.

Dr. Swanson has carefully reviewed the Romanek Equations to discover the knowledge gaps in contemporary science, which focus around Einstein's conception of gravity. If we can amend this broken concept, then interstellar space travel at faster-than-light speeds may prove possible in the near future.

This paper proposes that we do have the missing knowledge in the form of Vedic Physics, articulated here by G. Srinivasan. The advanced concept of gravity in Vedic Physics reveals four levels, and illustrates how western reliance upon “constants” has kept hidden the true nature of gravity.

Equipped with a proper and advanced knowledge of gravity, as well as “worm – holes,” in the form of tunnelling through the Thaamic Substratum of Dark Matter, we now have a complete set of intellectual tools with which to prepare for interstellar travel.

“Take her up to Warp 16, Lieutenant!”

# Bibliography

Secrets of Sankhya, G. Srinivasan, 2009.

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SIGNIFICANCE OF THE ROMANEK EQUATIONS

By Dr. Claude Swanson, July 1, 2012

## Contact

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# Dedication



So let us dedicate ourselves to what the Greeks wrote so long ago: to tame the savageness of man and to make gentle the life of this world.

Some men see things the way they are, and ask, why?

I see things that never were, and ask, why not?

**Robert Francis Kennedy**