



FUEL 2000

News & Views?

Home

NEWS AND VIEWS



Unlocking the secrets of gravity, electricity, space, time, mass, matter and energy

A wonderful & awesome surprise has been waiting


Preview: Science Explains Time Travel is Possible - How False Interpretations Lead to abnormalities

SHATTERING BELIEFS - MOVE ON TO LIFE BEAUTY DISCOVERY - NOT NEVER ENDING WAR





Space is that which separates bodies of matter
The degree of separation which exists between any two bodies of matter is determined by the degree of curvature of the natural laws which exist between them



Time is that which 12:00 separates events
Time follows the curve of natural law as all the basic factors of nature of nature
The radius of that CURVE is measured by the quantity C
Our reference point goes along with us, and the 'limitations' of Relativity always precedes us at a distance equal to the quantity C

Review **Star Steps** *StarSteps Chapter on Time - Then Discuss the Abnormality of Physical Time Travel*

Climate Change and Energy **Energy** and Economics and Life

DIRECTIONAL CHANGE ALONG THE SINE WAVE - YIN YANG SYMBOL OF ANTIQUITY

PAYING HEED TO EINSTEIN'S "MATTER/ENERGY ULTIMATELY REDUCED TO A FREQUENCY OF VIBRATION"

AS A COMMON DENOMINATOR IN THE ACT OF MEASUREMENT - WHERE THE CURVE BECOMES SIGNIFICANT - THE RADIUS OF CURVATURE OF ALL NATURAL LAW THEN BECOMES SELF-EVIDENT - NO LONGER DISTORTING OUR PERCEPTIONS OF REALITY

Time to provide this information to aspiring (math & science) grade and high school students.

The simplistic nature of common sense equivalent substitutions, paying attention to CHANGE IN DIRECTION of all the factors in nature, along the sine curve (+/_), will no longer present such extreme and bizarre, non-applicable theories as their adult counterparts create.

Adding the recognition of the absurd fallacy that "achieving antigravitic effects at the high energy levels of VC, requires an enormous amount of energy consumption", we need only to observe the electron and photon, which by definition already exist at the VC differential in contrast to matter and may be manipulated with ease and access to the 'enormous' nuclear energies at hand.

UK Sunday Times article 8/4/02

Last week George Muellner, the executive who oversees Phantom Works, Boeing's secretive research organisation, told The Sunday Times that "anti-gravity works". He added: "We know it can work but what we don't know is whether it can be useful. The systems we have seen consume too much energy. I believe that one day there will be a breakthrough but it is a long way away."

The incorrectness of this assumption can be demonstrated simply by pressing the button of a pocket flashlight - review below.....

In the concept of non-linearity of physical law, it was pointed out that the energy inherent in a gram, or any other quantity of matter is precisely the quantity of energy necessary to accelerate its mass to a velocity equal to the quantity C by energy conversion. This statement may be hotly disputed by some students who have not yet learned to distinguish between matter and mass. Their argument is to the effect that no mass can ever be accelerated to the velocity of light since the mass would then be 'infinite' and consequently the energy required to produce the velocity would also be 'infinite'. The incorrectness of this assumption can be demonstrated simply by pressing the button of a pocket flashlight. A beam of light will be produced which any physicist will agree has mass and which, by its very definition, is moving at the velocity of light. Yet all the energy required is released by a small amount of chemical change taking place within the cells of a battery.

LIGHT & UNDERSTANDING DAWNING? - COMING BACK AROUND? - VIBRATION? ENERGY ABSORPTION & RADIATION? CONTINUOUS CREATION IN THE NOW UNIVERSE, ON OFF. (strings in string theory not needed and requires simplification) -

<http://www.duke.edu/~dbc4/resonance/literature/essays/sci/gravthry.htm> *Discovery of a Method to Produce Gravitational Fields Using Principles Synthesized from Quantum and String Theory Strings are the basic components of all matter in the universe. They vibrate. Different modes of vibrations (frequencies, in my theory) are responsible for measurable properties of the elementary particles such as mass, spin, and charge. The electron is an elementary particle; we measure the electron to be an electron when we are actually measuring the vibration of an electron string (a string vibrating with an electron frequency). The graviton is an elementary particle and is what we measure as the vibration of a graviton string. The great realization: the shape of the graviton string as determined from mathematics is the same as that of a spinning rubberband. To be more exact, the graviton string looks like a one-dimensional spinning rubberband, since strings are one-dimensional.*

WHAT IS HOLDING SCIENCE BACK?

MORE COMMENTS: *UK Sunday Times article 8/4/02* "Someone realised that anti-gravity could be so destructive that it would endanger world peace and decided to keep it secret for a long time," he claims. Millis, like Boeing, emphasises the peaceful uses of such technology, but both accept that it could have a darker purpose. Such a beam could, for example, be projected against an aircraft, satellite or missile, knocking it off course or

smashing it apart from huge distances.

ADDITIONAL STATEMENTS ABOUT THE LATEST BOEING RESEARCH:

> It is clear, from the reports of the Boeing documents, that both Boeing AND Lockheed are researching electrogravitics.....absolutely no >question about this. From all this, it is clear that most of them, even the science specialists, have little grasp of what has been going on, and >that the BBC in particular, still talks to Parks at the APS, (Instead of any UK scientist!!).

>However, from My own theoretical research, it is clear to me that what is driving this R+D forwards is weapons research. The physics of it >lead very quickly to this. More seriously, I am concerned at the likelihood, (60% possibility) that very large energy releases may be possible, >very quickly, from the new and emerging Zero-point physics.....this must lead to new types of weapons of mass-destruction, if i am correct. >This has to be debated even more seriously.

>The U.S. aerospace conglomerate Boeing has struck an unprecedented deal with British BAE Systems to cooperate on research and >development for the Bush administration's multi-billion dollar ballistic missile defense program.

>Industry insiders suggest that the deal, which would promote collaboration between the two firms on command and control technologies, >was formally announced on July 24 at the Farnborough International Air Show outside of London. :) :) :)

However, the greater threat, once removed from the 'dust ball' (below) view of Reality is: The 'social disintegration', which the Brookings Report recognized as an erosion of the current power structure systems. In fact, for the general public, it would amount to 'social integration', as most lives in the general public would change for the better because of the inevitable advances in technology and, potentially, a vastly expanded concept of purpose in the universe.

Dust balls.

Dr. Lloyd E. Cannon once reflected on this story: The child who was informed by his Sunday School teacher, "from dust ye came, and to dust ye shall return," (no doubt referring to Wise King Solomon's words: "All go unto one place; all are of the dust, and all turn to dust again.") At home the little boy happened to roll a ball under the bed, and came running to his mother, exclaiming excitedly, "Mommy, Mommy, come quick! There is somebody in the bedroom under the bed!:" Showing his mother the rolls of dust underneath the bed, the little boy said, "see, he is either coming or going."

That pile of dust signified to the little lad just one thing, from that "bit of knowledge" he had recently acquired, to him God was in the process of creating another man, or of taking one away.

When egos get too big and we dissect everything, losing sight of what we dissected, we are in danger of becoming like the little boy above 'with that little bit of knowledge'

Only a Matter of Time

Scientists Explain Why Time Travel Is Possible By Amanda Onion March 6, 2002

But physicists warn just because the feat (time travel) may seem impossible, doesn't mean it is.

"We have a hard time perceiving how time can bend just like other dimensions, so Einstein's predictions seem strange," said J. Richard Gott, author of the book *Time Travel in Einstein's Universe* and a professor of astrophysics at Princeton University. "But this appears to be the world we live in." Part of the "strange" world that Einstein explained in 1905 in his theory of relativity is that time and space are joined in our universe as a four-dimensional fabric known as space-time. Stranger yet is the concept that both space and time warp as mass or speed is increased. Travel fast and time moves more slowly. Increase the mass around you to near collapsible levels and you get the same effect.

The phenomenon has already been proven, albeit at minute scales...Slowed Clocks, Younger Particles

As for the effect of mass on time, scientists have measured the ticking of atomic clocks at the top and base of skyscrapers. They found the clocks at the base - closer to the mass of Earth - ticked ever more slowly than those perched high. Why does all this mean time travel is possible? Gott explains, the same principles that make the clocks tick slower on planes and low on Earth, should also work at extremes.

Building a Fast Ship - about four hundred and fifty million miles per hour, a passenger would experience significantly slowed time.

The slowed time would not be noticeable to the traveler - **TRUE**. But once the traveler returned, he'd find that those who remained on Earth had aged at a faster rate - **FALSE**.....read [StarSteps](#).

Time passed at its regular cadence on Earth, while to the spaceship traveler, it crawled. So the traveler's return to Earth is, in effect, a trip to the future. **HERE CLEARLY REVEALS THE DELUSION AND MIXUP OF REFERENCE POINTS - and the variables to take into account when measuring between reference points at differing energy differentials - specifically when those energy differentials begin approaching VC.....read StarSteps**

There are, of course, significant obstacles - namely building a spaceship that can travel at speeds close to the speed of light. The task would require intense levels of energy that we currently can't achieve **FALSE - OUR DEFINITIONS OF ENERGY ARE INCOMPLETEread starSteps**

According to Einstein's theory, approaching the speed of light would theoretically slow time, traveling at the speed of light would make it stand still and traveling faster than the speed of light would reverse time. **APPEAREANCES - WE SEE BY LIGHT AT THE SPEED OF LIGHT**

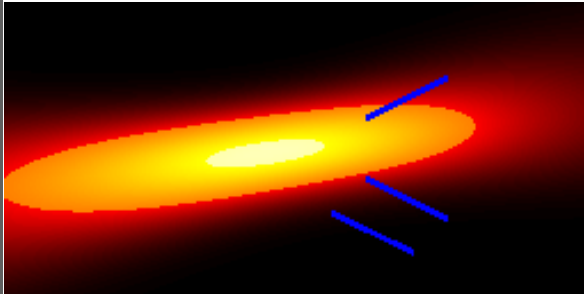
But Einstein also showed that traveling at or faster than the speed of light is impossible because mass at these speeds becomes infinite. **THIS ONE TAKES THE CAKE - besides being incomprehensible on a sanity level, THE MASS HAS NOT CHANGED AN IOTA - THE INERTIAL MASS, ENERGY DIFFERENTIAL becomes infinite BETWEEN THE TWO REFERENCE POINTS..... read StarSteps**

SO, WITH ONE FANTASY ON TOP OF ANOTHER, science naturally moves to WORMHOLES... filling the wormhole with large amounts of exotic, or negative matter, but the solutions would require enormous energy and ingenuity. It would also require that scientists find a way of merging Einstein's law of relativity with those laws governing quantum mechanics in a so-called Theory of Everything.

"Time machines to the past are projects on only a super civilization could attempt," said Gott. "It would require a civilization that has the resources of the galaxy at its command." **WOW, GEE**. The Grandmother Paradox - Finally, there is the stubborn issue of the time travel paradox. **I GIVE UP! NO MORE FAIRY TALES PLEASE!..... read StarSteps**



The SLAC experiment marks the first time matter has been created entirely from ordinary photons.



Stanford Linear Accelerator Center

The Big Crunch? Physicist Suggests Universe in Perpetual Crunch and Bang



Dr. Paul J. Steinhardt

Joseph Henry Laboratories, Princeton University, Princeton, NJ 08544, USA

Over the last century, cosmologists have converged on a highly successful theory of the evolution of the Universe - the big bang/inflationary picture.[1] According to this picture, space and time sprung into being 15 billion years ago in a 'big bang.' When the Universe emerged, it was filled with particles and radiation of nearly infinite temperature and density. Instants later, the Universe underwent a period of extraordinarily rapid, superluminal expansion ('inflation') which made the Universe homogeneous and flat and which created fluctuations that seeded the formation of galaxies and large-scale structure.

In the last decades, cosmological observations have supported the predictions of the big bang and inflationary theory in exquisite detail.[1,5] They have also provided one major surprise. It appears that, billions of years after the big bang, following the formation of galaxies, the Universe was overtaken by some form of dark energy that is causing the expansion rate to accelerate. Although dark energy was unanticipated and has no particular role in the big bang/inflationary picture, the general view has been that it can simply be added by fiat to the initial make-up of the Universe.

In this context, a new paradigm has been recently proposed by Paul Steinhardt (Princeton) and Neil Turok (Cambridge) - the cyclic universe - that turns the conventional picture topsy-turvy. (Perhaps the model should be called an old paradigm since it reinvigorates ancient cosmic mythologies and philosophies, albeit using the tools of 21st century physics.) In this picture, space and time exist forever. The big bang is not the beginning of time. Rather, it is a bridge to a pre-existing contracting era. The Universe undergoes an endless sequence of cycles in which it

contracts in a big crunch and re-emerges in an expanding big bang, with trillions of years of evolution in between. The temperature and density of the universe do not become infinite at any point in the cycle; indeed, they never exceed a finite bound (about a trillion trillion degrees). No inflation has taken place since the big bang. The current homogeneity and flatness were created by events that occurred before the most recent big bang. The seeds for galaxy formation were created by instabilities arising as the Universe was collapsing towards a big crunch, prior to our big bang.

Star Steps

FULL CIRCLE - MODERN SCIENCE / OLD PARADIGM From Perpetual Crunch and Bang to Matter being Permanently Generated and Resorbed in the process. **AS ABOVE, SO BELOW**

.....AND THAT LEADS US TO THE CURIOUS PHENOMENA IN CONTEMPORARY DEFINITIONS OF SPACE AND TIME. Valuable tools in measuring change, orientation and location. BUT USELESS AT ENERGY DIFFERENTIALS WHERE THE CURVATURE BECOMES SIGNIFICANT. Space and time equivalencies must then be substituted, at which point, to our surprise, the Unified Field Theory becomes self-evident.

A Sine Wave whose Radius is C, is the Nature of all Natural Law. The Illusions and Mis-interpretations Arise as the Energy Differential between Two Reference Points Approach C, across the Macro/Micro Range. For the Math Wizards, always remember you cannot add/multiply/breed/etc. a chicken and an elephant and come up with a Nomal Single Unit.

Star Steps

Will the Real Universe stand up: Using some of the above facts that we know and can predict mathematically about appearances of events transpiring, as we measure velocity approaching VC - *What happens when we replace 'velocity/motion' with 'frequency/no motion' - in other words, a nonmoving object right in front of you, whose energy differential is approaching VC equivalent?* (regardless if the Philadelphia Experiment was real or not, and minusing the time travel tales, you get a pretty good idea of what could have been, can, and cannot beas the Radius of Curvature of All Natural Law is employed to Undelude the Deluded.....such a minor, easy step to slightly expand into a more coherent view of the Universe an almost automatic 'ahha' occurrence as the Radius of Curvature is even briefly considered and applied)

Explore the Energy/Matter definition again by considering heat:... as heat is removed from matter, and you approach & achieve ZPE - review the relationships - NONE OF THE BASIC FACTORS OF NATURE STAND ALONE - CHANGING ONE ASPECT, CHANGES THE OTHERS.

- **The "Limitations of Relativity":** The "limitations of relativity" will always precede us at a distance equal to the radius of curvature of natural law. We need not fear that we will ever overtake or be hampered in any way by those limitations, since our 'reference point' (of a true coordinate system) will always go along with us. The value of the gravitational field at any given point is controlled by the values of the other factors of nature at that point.
- **Modulating the Gravitational Curve:** The electric charges within the atom are a factor which modulates the shape of the gravitational curve of the nucleus.
- **Magnetic and Electronic Resonance:** Any magnetic field which is changing in intensity, will create an electric field, which, at any given instant is equal in amplitude, opposite in sign, and perpendicular to the magnetic field. If the two fields become mutually resonant, a vector force will be generated. The effect is similar to, and in fact identical with a gravitational field.
- **Force and Gravity** - Frank Znidarsic <http://members.aol.com/fznidarsic/index.html> - a symmetry exists between force and gravity – as a changing magnetic field induces an electric field, a changing momentum (a force) induces a gravitational field – unbalanced forces localize the zero point energy of matter .(vol 4, Issue 22 – 1998 Infinite Energy)
- **What Factors this Division Point of Nuclear Radiation/Absorption in Fusion?** The fusion of nuclear particles may occur in a number of ways, but in every case where the resultant nucleus has a mass smaller than the mass of the atom of silver, large quantities of heat will be released as a result of the combination. When the mass of the resultant nucleus is greater than the mass of an atom of silver, a large quantity of energy is absorbed rather than radiated.
- **Neutron Formation by Electron Penetration of the Nucleus:** Dr Thomas E. Phipps, Jr. (IE vol 5 issue 26 1999)
 “Generalization of Quantum Mechanics via a “Covering Theory”: parameters are missing from accepted quantum mechanics that are present in the corresponding classical theory. (parameters which in classical theory allow description not only of classes of motion –general, but also specific ones.) Formal Correspondence: as we proceed downward on the scale of physical size, considering first stars and planets, next billiard balls, then grains of sand, etc., there exists no abrupt physical discontinuity, no particular place or boundary at which one can say: on this side this set of descriptive equations applies, and on the other side that other set applies. Nature builds smoothly; she does not erect discontinuous walls in the midst of her machinations. Clearly, Phipps, in this article notes the problem of scale invariance, and ‘point-like’ localizations which can readily be seen as the ‘zero point’ on the sine wave of the Radius of Curvature of Natural Law. (ESJ – Hertz’ equations of electrodynamics issue 22 1997)
- **A Testable Unification of Electrodynamics, General Relativity, and Quantum Mechanics** – Whittaker’s 1903 paper – in short, shows how to turn electromagnetics into gravitational potential. Unknowingly, Whittaker has already shown the correct engineering way to unify EM and G fields, and already falsified one of Einstein’s later primary GR assumptions – that the local space-time is never curved. USPA journal #6 1993
- **Master Principle of EM Overunity: T. E. Beardon:** (and Japanese Overunity Engines). Overunity system operation via work free asymmetrical regauging has been inherent in the Heaveside/Maxwell equations for a century, but just conveniently and arbitrarily assumed away by limiting the theory to NET Symmetrical regauging. Regauging by means of scalar potentials only, changes the local energy of a system and its local reference point to a new reference point, refueling itself from the vacuum potential. Note equivalency to Radius of Curvature example by changing your reference point to the same higher energy value. Electromagnetic scalar potentials and gravitational potentials: Suppose the potential is multivalued (all space, time, mass, matter, energy are varying degrees of energy differentials) from point D to A – a strange phenomena occurs When the system has reached point D in its cycle of operation from point A, the

potential value itself at D suddenly is altered and regauged back to its original value at point A. Poynting and Heaveside developed the energy-flow theory in EM in parallel, after Maxwell was dead. Modern power engineers do not track the energy flow in an electrical circuit, only the power and work flow... i.e., a river may have a static depth magnitude corresponding to any given point on its surface, or a static pressure magnitude at any interior point of the river – but no one would say the river is static.

- **Biquaternion Quantum Mechanics** – Elio Conte – the sets of axioms of Minkowski space-time, of Maxwell's equations, of electromagnetic fields were erroneously considered to be mutually independent; instead, they are manifestations of a single entity based on the set of axioms of biquaternions. (profound differences between Hadronic mechanics and BQM)
- **The Speed of Gravity – faster than light?** Meta Research Bulletin <http://www.metaresearch.org> Dr. Tom Van Flandern tvf@mind-spring.com Astrodynamics and Celestial Mechanics – formerly with the U.S. Naval Observatory The Speed of Gravity – faster than light? LR or SR, principal difference is equivalence of all inertial frames in SR, and the existence of a preferred frame in LR (special/Lorentzian relativity) Apeiron <http://www.redshift.vi.com> Galilean Electrodynamics <http://www.msx2.phajhu.edu~dring/gehtmls/gehome.html> Deuterium-based radiationless cold fusion – band state atom systems are similar to Bose-Einstein condensate systems – standing wave, periodic order dominates – no high energy fragments, no radiation, no neutrons: Dr. Scott Chubb chubb@cff.nrl.navy.mil and Dr. Talbot Chubb tchubb@aol.com
- **Detailed Inconsistencies of QM GR SR** - Dr. Ruggero Maria Santilli – The Institute for Basic Research – Palm Harbor, FL ibr@gte.net <http://home1.gte.net/ibr> new address <http://www.i-b-r.org/> Hadronic Mechanics consistent completion of QM precisely along the historical E-P-R argument – detailed inconsistencies of QM GR SR, gravitation, chemistry, superconductivity, particle physics (Einstein, Podolsky and Rosen) “the suppression of the approximate character of quantum mechanics and related basic symmetries in nuclear physics by the academic establishment implies the suppression of new energies, new forms of recycling nuclear wastes, etc constituting ‘damage against society’ a crime, including deception under public funding – a violation of the U.S. Criminal Code of Law. (vol 4, Issue 22 – 1998 IE)

Star Steps

: ".....We have seen that the factor known as the quantity C has a greater significance than is usually credited to it. It is not merely the velocity with which light and other forms of energy are propagated in a vacuum. The quantity C is a degree of energy differential. We can define it as the maximum differential which can exist between two reference points in the factor which we call matter. We can also define it as the minimum differential which can exist between a reference point in matter, and one in energy. This is only true, however, when the reference point in matter is at the same energy level as the observer."

With redefining our PERCEPTUAL ERRORS in definitions and theories, not MATHEMATICAL ERRORS with the application of The Radius of Curvature

.....We will also be able to measure beyond the speed of light as well!.....

Star Steps

: ".....We can now see that a frequency differential which by the above formula is equal to 9×10^{20} ergs per gram also represents the quantity C. When such a frequency differential exists between the observer and the point which he is observing, we again find that the natural laws at the observed point reach zero value with respect to the observer. If the frequency differential exceeds this value, the action of the laws will become negative."

Star Steps**Rewritten from the year 1956**

".....In almost every text book on physics in the world today the statement is made that the quantity C represents the velocity of light (in centimeters per second), yet every student in the world who has studied the subject, knows that the velocity of light is not a constant. That its velocity, in fact, varies slightly with each different medium through which it is propagated. Any student who has ever passed a beam of sunlight through a prism to produce a spectrum of color, has demonstrated that not only does the velocity of light vary in different media, but that the **change in velocity varies somewhat with the frequency of the light when propagated in material media**. This of course is the principal upon which all of our spectroscopes are designed, although most textbooks state merely that the light is refracted or 'bent' in passing from one medium to another. There are many who will dispute the statement that the change in velocity varies with the frequency, but when sufficiently precise tests are made entirely within a single medium, the results indicate convincingly that this is true."**read StarSteps**

MODERN SCIENCE - just beginning to discover

Speed of light not constant? "If the speed of light proves not to be constant any more, even by a very small changeable amount, laws of physics - the theory of relativity included - will have to undergo significant changes," says Nanopoulos. Nanopoulos, who chairs the Theoretical Physics Division of the Academy of Athens, is among the many physicists who are trying to establish the basis of quantum gravity, a theory that has been dreamed of by physicists since the 1920s.

While they were doing mathematical calculations, Nanopoulos and physicists Nikolaos Mavromatos of King's College in London and John Ellis of the European Center for Particle Physics (CERN) in Geneva, **discovered a new expression for the speed of light, which depends on its frequency**.

"Through our calculations, we found that the speed of light is frequency-dependent," says Nanopoulos. "But a change in the usual speed of light value of 186,282 miles per second is **noticeable only for light coming from astronomical objects situated very far** from Earth, which is why this frequency dependence has not been noticed so far."

**'Optical Molasses' Slows Light - Scientists Reduce Speed of Light to a Crawl**

By Tom Kirchofer - The Associated Press

B O S T O N, Feb. 19 — Scientists have managed to slow down light so much that if it were a car on a highway, it could get a ticket for not getting over to the right-hand lane.

The speed of light is normally about 186,000 miles per second, or fast enough to go around the world seven times in the wink of eye. Scientists succeeded in slowing it down to 38 mph.

They did this by shooting a laser through extremely cold sodium atoms, which worked like "optical molasses" to slow the light down.

The experiment doesn't invent any new physics. When light passes through a material such as water or glass, it slows down a bit as the photons interact with the surrounding molecules. The new result merely set the world record for slowest light.

Practical Applications: While slow-speed light now is just a laboratory plaything for top physicists, Lene Vesergaard Hau, the Danish scientist who led the project, said practical applications could be a few years away. She envisions improved communications technology, switches, even night-vision devices.

The atoms were contained in what is called a Bose-Einstein condensate, a condition created when matter is cooled almost to absolute zero, the lowest temperature theoretically possible. That's 459.67 degrees below zero.

"We have really created an optical medium with crazy, bizarre properties," Hau said. "Everybody knows that light is something that goes incredibly fast. If you could possibly slow it down to a real human dimension. That was really fantastic."

The research, conducted at the Rowland Institute for Science in Cambridge and Harvard University, was described in Thursday's issue of the journal Nature.



Physicists Close to Proving New Dimensions, Says Researcher at AAAS Annual Meeting

Our understanding of reality - that is, a world where events happen over time within a three-dimensional space -- may be turned on its head by the year 2005, scientist Maria Spiropulu said today during the American Association for the Advancement of Science (AAAS) Annual Meeting.

"The way we think about things is about to change completely," said Spiropulu. "This is truly a revolution in the way we understand our world."

Spiropulu, a 32-year-old scientist with the Enrico Fermi Institute at the University of Chicago, is hot on the trail of extra dimensions. She's using new methods to prove, experimentally, whether our reality is more complicated than we previously assumed.

"We are very close" to a new reality, she said. "Right now, we imagine space and time as a static question, and we solve equations as a function of space and time. But, **what we're learning is that, at the very large scale or the very small scale, space and time are dynamic. What is happening at those scales, we cannot explain. So we have to wonder, do these scales hold some extra dimensions?**"

-- Ginger Pinholster

Star Steps

- Rewritten from the year 1956 (Modern Science - you may cease your wondering - those very large or very small scales possess no special magical dimensions - just the proper calculation of the VC differential -The Radius of Curvature of Natural Law

StarSteps: ".....Of course, we hear at once the objection that, while negative gravitational fields have been shown to exist, they have been found only within the atom and at inter-galactic distances. How can we place a space ship within the negative portion of. the curve, with respect to the earth? The answer to this question lies in the fact that, as we have already learned, the natural laws are not absolute, but relative. That is, the size and shape of the curve of one law is dependent upon the value and position of the others. We have seen that the nucleus of the atom of uranium 235 dips below the zero line with the addition of only one mass unit, making a total of 236, yet the nucleus of the atom of uranium 238, although close to the zero line is still on the positive side of the curve because of the fact that the shape of the gravitational curve is modified not only by the mass present but also by the number and position of the electrical charges.

Lest someone charge us with ignorance by pointing out that there are the same number of electrons (92) in each of these atoms, we will make haste to state that we refer not only to the charges in the outer shell of the atom but to those within as well, and especially to the fact, not always realized, that the neutron possesses both a positive and a negative charge, although when united within the neutron they are not discernable as charges, but exist as energy which produces the gravitational field."

Climate Change and Energy **Energy** and Economics and Life



BREAKING APART: Censorship, Top Secret, Need to Know, Keep them Dumb - HAS NO PLACE IN A FREE SOCIETY - ESPECIALLY WHEN WITHHOLDING OF INFORMATION THREATENS LIVES AND FUTURE GENERATIONS.



<http://users.erols.com/iri/> **3/5/02 Cold fusion 'breakthrough' heralds clean nuclear power**

by Jonathan Leake, Science Editor - The Sunday Times, UK <http://www.sunday-times.co.uk/> ...Sunday, March 3, 2002 - Nuclear scientists will this week announce they may have achieved a controlled form of cold fusion, a technology that potentially offers humanity a limitless source of clean energy.

Science Editorial rebuffs attempt from American Physical Society to stop publication with "fear" and "doubt" tactics

American Physical Society "What's New" preliminary dismissal of the experiment before publication

Science advance announcement: "Evidence of Nuclear Emission from Acoustic Cavitation"

<http://www.sciencemag.org/feature/data/hottopics/bubble/index.shtml>

"Evidence for Nuclear Reactions in Imploding Bubbles"- Commentary by Science magazine's F. D. Bechetti

<http://www.sciencemag.org/feature/data/hottopics/bubble/1070165.pdf>

" 'Bubble Fusion' Paper Generates A Tempest in a Beaker" by Science magazine's Charles Seife

<http://www.sciencemag.org/feature/data/hottopics/bubble/1808.pdf>

"Bubble Fusion Furor" (may require subscription or password)

<http://scienconw.sciencemag.org/cgi/content/full/2002/304/1>

Climate Change and Energy **Energy** and Economics and Life

The abnormal shunning I see exhibited of Relativity in favor of Quantum is profound. STATISTICS IS NICE (quantum), but only a small division of Reality - a generalization model, highly accurate - I love statistics. And while we can appreciate holograms, it would not be fair to say that a skin flake is ALL OF ME. See additional fallacies and shortcomings of Quantum below.

Repeating: On Neutron Formation by Electron Penetration of the Nucleus: Dr Thomas E. Phipps, Jr. (IE vol 5 issue 26 1999) "Generalization of Quantum Mechanics via a "Covering Theory": parameters are missing from accepted quantum mechanics that are present in the corresponding classical theory. (parameters which in classical theory allow description not only of classes of motion -general, but also specific ones.) Formal Correspondence: as we proceed downward on the scale of physical size, considering first stars and planets, next billiard balls, then grains of sand, etc., there exists no abrupt physical discontinuity, no particular place or boundary at which one can say: on this side this set of descriptive equations applies, and on the other side that other set applies. Nature builds smoothly; she does not erect discontinuous walls

in the midst of her machinations. Clearly, Phipps, in this article notes the problem of scale invariance, and 'point-like' localizations which can readily be seen as the 'zero point' on the sine wave of the Radius of Curvature of Natural Law. (ESJ - Hertz' equations of electrodynamics issue 22 1997)

The abnormal shunning I see exhibited""In 1901, a German physicist took a principle direct from Metaphysics, and made it a tool which is now in constant use in every nuclear laboratory in the world. Max Planck's Law of radiation states that the level of energy upon which any nuclear particle or atom exists at any given moment is directly proportionate to its frequency of oscillation, and that the energy level of any body of matter is, therefore, proportionate to the mean frequency of its particles. For at least two thousand years the metaphysician has stated that the level of energy, spirit, or potential upon which any particle, any body of matter, or any being exists, at any given moment, is directly proportionate to its rate of vibration"".

If that was the only reference linking Metaphysics to Physics, then we could say, coincidence. But we are not BLIND and DUMB to say that is the only mathematical link.

To make sense, apply, control, or advance our energy issue today, mandates the RADIUS OF CURVATURE CONCEPT to BECOMES

STANDARD FARE. Then Common sense returns.

Star Steps



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