UFO/Tic Tac/UAV

Physics Explains them all.

JACK SARFATTI

BACK FROM THE FUTURE

WORKSHOP ON THE PHYSICS OF LOW ENERGY WARP DRIVE AND CONSCIOUS AI AS REVEALED BY US NAVY "TIC TAC" DISCLOSURE

DATE: 30/11/2019

TIME: 9.30-12.30 COFFEE BREAK 13.30-16.30



PLACE: Centro Convegni Sant'Agostino - Cortona - ITALY

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APA - www.apapropulsions.cloud



US Navy Close Encounters

With low energy warp drive space ship



On Jul 11, 2020, at 1:44 PM, Pierre R wrote:

I am a commercial pilot.

I am working for XXXX (yyyy, then became a pilot after that)

Both of my parents worked for Air France, and my Grandfather was a 4 Star general in the French Air Force. He was in charge of the FATAC, the air tactical projection force. I grew up with his flight stories. He told me back in the 1960's he was scrambled to intercept an unknown radar echo. They intercepted an oblong cylinder shaped object with no windows, no control surfaces. The object flew away reaching crazy speeds within seconds, never to be seen again.

I guess that is why I am intrigued by all this.

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Excellent reason, Season 2, Episode 1 of UNIDENTIFIED, HISTORY CHANNEL, has more evidence supporting the French General Rajau.



Star Gate Portal at Skinwalker Ranch?

The math physics of Tic Tac also explains this.



The Secret of Skinwalker Ranch: MOUNTAIN OF UFO EVIDENCE UNCOVERED (Season 1) | History



(AATIP Sub-Focus Areas)

The science exists for an enemy of the United States to manipulate both physical and cognitive environments in order to penetrate U.S. facilities, influence decision makers, and compromise national security

- Psychotronic weapons
- Cognitive Human Interface (CHI)
- Penetration of solid surfaces
- Instantaneous sensor disassembly
- Alteration/Manipulation of biological organisms
- Anomalies in the space/time construct
- Unique cognitive human interface experiences

DoD Advantages

- DoD has been involved in similar experiments in the past
- DoD has relationships with renowned subject matter experts
- DoD controls several facilities where activities have been detected

What was considered "phenomena" is now quantum physics

US Space Force

Needs Tic Tac Tech



Explains all UFO phenomena

- Basic Idea of Einstein's Relativity
- Alice and Bob moving relative to each other in any way use light signals to observe the same events. They wish to compare their measurements of the same events. Relativity is essentially an algorithm, a computer program, a data base, into which they enter their raw data as inputs and lo and behold, they get exactly the same output numbers called "frame invariants." It is this agreement that proves objective reality independent of our consciousness in classical theoretical physics.
- The same is true in quantum mechanics using David Bohm's 1952 pilot wave interpretation that he did with Einstein at Princeton as updated in 2015 by Roderick Sutherland in Sydney to be fully relativistic with back from the future destiny effects explaining EPR quantum entanglement's "spooky telepathic, psychokinetic action at a distance."

Einstein's explanation of gravity General Relativity 1916

- Newton in the 17th century thought that 3D space and 1D time were independent from each other together forming an absolutely rigid stage on which events played out in the cosmic theater directed by God.
- Einstein, in 1916 after ten years of struggle to get beyond his 1905 special relativity that explained electromagnetism but could not explain gravity, realized that the stress-energy density of matter distorted, warped his unified 4D spacetime-continuum of his special theory and that this warping was real "second-order" gravity as opposed to the artificial "first-order" gravity that we feel as "weight" or "G-force" from electrical reaction forces that prevent us from falling freely. This "equivalence principle" was Einstein's "happiest thought" when he read that a painter falling off his ladder said he felt "weightless."

The Energy Problem The space-time continuum is too stiff

- James Maxwell in 1865 unified electricity, magnetism, and light into field equations.
- Einstein in 1916 explained gravity as the bending/curving/warping of space-time by stress-energy density.
- Space-time was no longer the rigid stage of Newton, but was a mutable, flexible, field just like Maxwell's electromagnetic field generated by electrically charged matter. Gravity was Einstein's "geometrodynamical field" generated by all forms of matter charged or not.
- The problem is that the coupling of matter to gravity is normally way too weak for us to manipulate the geometrodynamical field to explain the flying saucers until artificial meta-materials were discovered.

Meta-Materials

Magick Without Magic

• "Metamaterials with interacting "meta-atoms" ... The building blocks of metamaterials are resonant elements much smaller than the wavelength of the electromagnetic wave and can be seen as "artificial atoms" with strong electric and/or magnetic response to the electromagnetic radiation." https://www2.physics.ox.ac.uk/research/condensed-matter-physics/metamaterials-with-interacting-meta-atoms



Fig. 14.3. Photograph of nonlinear metamaterial. Each SRR in metamaterial contains varactor diode (Skyworks SMV1405)

Einstein's Gravity Field Equation "Subtle is The Lord"

- Induced Gravity = (Electro-Gravitic Coupling) Stress-Energy Density Matter
- This is a tensor field equation Guv = XTuv.
- Tensors express the objective reality of the physical world that no matter how Alice and Bob look at events with light rays, they always come out with the same frame invariant output numbers from their differing input raw data when they do good measurements.
- Tensor calculus rules then demand that the matter-gravity coupling X be an absolute invariant (a zero rank tensor field or "spin zero" scalar field) because the warp gravity field *Guv* and the matter stress-energy field *Tuv* are each second-rank tensors and the ranks must balance on each side of the field equation i.e., 2 = 0+2.

Solve for X

The \$64 Billion Dollar Question

- Einstein merely guessed at X in 1916 by requiring that his tensor field equation reduced to Newton's (actually Poisson's) field equation when the warping was very weak and the matter sources moved slowly compared to the speed of light c in vacuum. Dimensional analysis suggested X = G/c4 where G is Newton's constant of gravity and c is the speed of light in vacuum. Newton's limit demands an additional 8pi.
- The speed of light in vacuum c is frame invariant in Einstein's 1905 Special Relativity provided Alice and Bob each move without any G-forces on them using light signals in vacuum. Therefore, it's a plausible guess for the invariant scalar field coupling. However, there is no experiment that demands c inside matter. The change in c inside matter is also generally too small to notice in actual gravity calculations of the stress-energy density tensor of matter *Tuv* using equations of state like in the interior of stars.

Meta-Materials Make X Big

Resonances come to the rescue

- Professor of Physics Keith Wanser (Cal State Fullerton) and I propose that resonant responses of artificial meta-materials to applied electromagnetic pump fields amplify the electro-gravitic coupling X by many powers of ten. Why? Because, if that is true, it easily explains qualitatively, conceptually, the observed facts of the Pentagon's Dec 2017 release of the Tic Tac phenomenon, not so much the videos that can be faked, but the close-up eye-witness reports of several US Navy pilots and of Kevin Day radar officer on the USS Princeton who we interviewed directly.
- Wanser and I are using the same Sherlock Holmes detective methods used by Paul Hill in his 1950s UFO studies for USG. Furthermore, our mathematics is rigorous using tensor covariant equations inside matter. All symmetry laws are obeyed.



Low Energy Warp Drive Even a single AAA battery might be enough.

- Make an analogy with Ohm's law of electricity.
- Induced Current = Applied Voltage/Resistance
- Induced Warp = Applied Stress-Energy Density/Space-Time Stiffness
- $X = 1/Space-Time Stiffness = (G/c^4)X'$
- X' is the dimensionless complex function of spacetime meta-material electromagnetic response local frame invariant scalar (zero-rank tensor) field. X' = 1 in classical vacuum.
- Increasing X for a fixed Warp means we need a smaller amount of Stress-Energy Density.
- That's the basic idea here, very simple in principle.
- Not so simple, in practice of course like $E = mc^2$ explained the atomic bomb, very simple in principle, but it took billions of dollars and thousands of scientists and engineers to achieve in practice. Same here.

We are weightless inside Tic Tac

Just like falling off the ladder "Einstein's Happiest Thought"

- Tic Tac observed to do hundreds of apparent, if not thousands, of g's (G-forces) in high speed turns and to hover silently a few feet above the ocean.
- No jet or rocket can do that not even come close to doing that.
- It's a piece of cake if X is very large and controllable.
- We are talking now about low speed warp drive. The Tic Tac moves fast, but still slow compared to the speed of light in vacuum 186,000 miles per second.
- In the simplest model of Alcubierre Tic Tac contracts space at its nose and expands space at its tail. Everyone is weightless inside Tic Tac even though it looks like high G-forces to the observers outside the Tic Tac's confined warp near field.

Warp Drive Reverse Doppler Shift Things are seldom what they seem

- Tic Tac coming at you looks **redder** opposing motional **blue shift**.
- Tic Tac fleeing you looks **blue**r opposing motional **red shift**.
- Tic Tac moving to right edge of screen in picture below --->.



Alcubierre's Toy Model

One way to understand weightless warp drive





X marks the spot

Experimental Test for Wanser-Sarfatti Prediction of Diamagnetic Gravity Anomaly

• ReX' and ImX' both near zero, phase cos(arctan ImX'/ReX') switch to antigravity



Fig. 14.2. Imaginary part of the effective magnetic permeability vs. intensity of the magnetic field for $\gamma = 0.05$: (a) $\Omega > 1$, $\alpha = 1$. (b) $\Omega < 1$, $\alpha = 1$, (c) $\Omega > 1$, $\alpha = -1$, and (d) $\Omega < 1$, $\alpha = -1$. Dashed curves show the branches of unstable solutions [8]



Fig. 14.1. Real part of the effective magnetic permeability vs. normalized intensity of the magnetic field for $\Gamma/\omega_0 = 0.05$: (a) $\Omega > 1$, $\alpha = 1$, (b) $\Omega < 1$, $\alpha = 1$, (c) $\Omega > 1$, $\alpha = -1$, (d) $\Omega < 1$, $\alpha = -1$ [8]

Meta-Material Heat Dissipation Coherent Phase Control

Allows us to switch between gravity and anti-gravity in each meta-atom

- Einstein's field equation including effect of Kramers-Kronig causal dispersion relations connecting irreversible inelastic scattering of input pump photon with electric charge of quantum dot meta-atom to the elastic scattering of same demands
- $Guv = (G/c^{4})(ReX'^{2} + ImX'^{2})^{1/2}(ReTuv^{2} + ImTuv^{2})cos[arctan(ImX'/ReX') + arctan(Im(Tuv/ReTuv)])$
- Positive cosine induces an attractive confined near gravity field around each meta-atom.
- Negative cosine induces a repulsive confined near anti-gravity field around each meta-atom.
- The sign of the cosine is determined by a control field at each meta-atom (e.g. electron-phonon).
- All the qubit meta-atoms are connected into a quantum computer artificial neuron AI network by quantum nano-wires, or blue tooth wireless or ...

Math

Some technical details

The historically original basic idea behind low energy practical metric engineering physics are the resonances⁶

 $[\Phi] \gg 1$ where $\Psi \gg 1$

This *exponentially decreases* the amount of stress-energy tensor needed to achieve the induced desired warp drive and/or star gate portal field.⁷

The stress-energy tensor of the input Frohlich electromagnetic pump field has dissipative susceptibility terms, therefore it is also a complex function. Taking the real part of the product of all the contributing complex functions gives

$$G_{\alpha\beta}(r) = 8\pi \frac{G}{c^4} \left[\Phi(r) T_{\alpha\beta}(r) \right] \cos\left(\varsigma(r) + \tau_{\alpha\beta}(r)\right)$$

Therefore, when the cosine modulation from irreversible dissipation inelastic scattering of the input Frohlich pump photons with the electric charges of the material is negative, the induced warp field switches from attractive to repulsive anti-gravity. There is no need for exotic matter. The quantum energy inequalities are completely irrelevant.

Einstein's non-vanishing curvature tensor components *inside* the meta-material shell with warp drive switched off in stargate portal mode.

$$\begin{split} G_{tt} &= \frac{\partial_r b}{r^2} \rightarrow \frac{\partial_r b(R)}{R^2} \sim \frac{\sigma \left(b \left(R + \frac{1}{2\sigma} \right) - b \left(R - \frac{1}{2\sigma} \right) \right)}{R^2} \\ & \\ G_{rr(n)} &= -\frac{b}{r^3} + 2 \left(1 - \frac{b}{r} \right) \frac{\partial_r W_n}{r} \rightarrow \frac{1}{R^2} \\ & \\ G_{\theta\theta(n)} &= \left(1 - \frac{b}{r} \right) \left[\partial_t^2 W_n + (\partial_r \rightarrow W_n)^2 - \frac{r\partial_r b - b}{2r(r-b)} \partial_r W_n - \frac{r\partial_r b - b}{2r^2(r-b)} + \frac{\partial_r W_n}{r} \right] \rightarrow 0 \end{split}$$

Remember, the physical dimensions of the Einstein curvature tensors are (Area)-1.

 $T_{tt} = \varrho(r) \equiv energy \ density$ $T_{rr} = -\tau(r) \equiv radial \ tension$ $T_{\theta\theta} \ and \ T_{\phi\phi} \equiv tangential \ pressures$

Einstein's gravity field equation (with the Sarfatti-Wanser spin zero electromagnetic dissipative susceptibility locally-frame invariant matter-gravity scalar field coupling inside matter) is

 $G_{\alpha\beta}(r) = 8\pi \frac{G}{c^4} \Phi(r) T_{\alpha\beta}(r)$

 $\Phi = \Phi_0 e^{\Psi}$

Where Φ_0 is the complex function susceptibility field below the pumped non-equilibrium critical point input power threshold for the onset of "room temperature" generalized superconducting macro-quantum coherent ODLRO phase coherence order parameter Ψ in relevant boson elementary excitations of the material in the bulk that may have hologram duality with global topological edge" anyons."

DENNIS SCHMIDT

necessity. And even then, even surrounded by the evidence of its own destructiveness, it went on and on, seeking more and more power. We broke that power, for the good of all, to save the immortal soul of the human race. We have enough knowledge, more than we can possibly even digest. It will take centuries to sift through all of it and evaluate what is good and what is evil. In the meantime, the Power protects us from ourselves. It gives the people that part of the knowledge they need to make their lives better."

"And what if the data you've got is wrong? What if you're off on false leads? What if further research would uncover a new theory, one that might make vast areas of current theory obsolete? What if-"

"Impossible," interrupted the Bishop. "Unthinkable. Such a thing cannot happen."

Dunn smiled slowly. "If you believe that, really believe it, you're a fool." A flicker of anger passed across the other man's face and Dunn's smile widened. "Final answers don't exist, Bishop. The most we can achieve is a momentary, state-of-the-art solution that's always open to revision and even replacement. The followers of Ptolemy once thought they had it all figured out, but Copernicus proved them wrong. Newton revised Aristotle and the whole Middle Ages. And a host of men revised Newton. Oh, the list goes on and on, around and around. Nothing is ever final, the results are always still coming in.

"Do you realize, Worship, that if Sarfatti and Aspect had blindly accepted Einstein's dictum that the speed of light was the limiting velocity in the universe, they never would have conceived or proven superluminal connectedness, and we wouldn't even be here? Tachyons never turned up, spinning black holes gave random destinations with no way back, and sub-light veSATORI

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locities simply took too long. Only the Sarfatti-Aspect effect gave us the key to the stars." He snorted derisively. "If the Power actually believes it holds the final word, the ultimate answer, you're fools!"

"Your mind has been warped by what you have experienced in hookup, my child. You no longer see clearly. I greatly fear you are a hopeless heretic. But it

is my holy duty to try and make you see the error of your

"Before you blot out my way forever!" shouted Dunn. "Damn you, get on with it! Hook me up to your stinking machine and wipe my mind! Readjust me!" His voice dropped to a husky growl. "But know that by doing that you lose. You can't really change what I am and what I know. You can only destroy it and put something of your own making in its place. But it won't be me. It'll just be another shadow of yourself!"

"You lack faith, Dunn." Dunn shook his head. "Rubbish," he said scornfully. "Faith has nothing to do with it. Unless, of course, by faith you mean a simple feeling of confidence in the scientific method. But faith itself, faith as a way of viewing the world, as an expectation of reality, is irrelevant. Faith is no substitute for science. It doesn't contain within itself any method for selfcontradiction, any mechanism which allows it to change and evolve through time. Faith, especially blind faith, simply is.

"Science, on the other hand, takes the form of a series of approximations, a fluid and constantly changing movement toward reality. But since reality is always greater and more complex than any approximation or model of it can ever be, science can never do more than reflect its outlines."

"How little you understand the power of faith, my

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THE EARTHMEN ARE COMING...

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DENNIS SCHM

For a thousand years the men and women of Kensho have been evolving a way of living, a civilization that combines technology and spirit in a fashion that the visionaries o old Earth could hardly imagine as the two essential parts of a healthy whole, rather than as deadly enemies out to destroy each other

In another century Kensho would have become invulnerable to the violence of Earth but the starship bristling with fearful weapons, an armada at its beck, is orbiting the planet <u>now</u>. Is there no alternative but to submit to the conquerors? Must the New Humanity return to the sad old ways of Earth? There is one possible way out — but if it fails, the people of Kenshe will pay the price of annihilation.

The men of Earth were in for an Awakening 4CE SF | 750575 | \$2.50 🗲