

E=MC² and Simulation Theories

By Les Howard

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E=mc²: Einstein recognized mass and energy as the same interchangeable entity. It means a body of mass in a universe of mass is equally interchangeable with a body of energy in a universe of energy, yet he didn't grasp the reality of 'space'. We're energy -in energy. 'Space' is the illusion. Why is that obvious to me? Seeing from a new perspective I had to determine how energy becomes 'space'. As a physics student I learned by combining Newton's equations in the manner; A=B, B=C, C=D, D=E, therefore A=E; one could demonstrate 'E=MC²'. I was more under-whelmed than impressed; I had assumed Albert mentally deduced that equation. Once shown this 'trick', even I could repeat it. Interchanging symbols representing reality he never questioned reality itself. Yet what exactly is space, time, -or reality? Isn't that the important question? Science is yet to recognize that 'space' is Alberts' 'persistent illusion' - created by energy. Reality is not a 'simulation'. And time is real -the flow of that energy.

As for C 'squared'? If one saw reality as my flowing 'static energy boxes' moving at the speed of light, and one was attempting to reach the speed of light in one 'box', he could not do so until all mass in the 'box' was converted to energy, while energy already moves at the speed of light: $c \text{ times } c = 'c \text{ squared}': I$ see it mentally. [Physics believes the 'Higgs boson' creates mass -possibly by slowing the 'box'?] I hope my concept makes this intuitively obvious to others, but it's not my prime objective.

Pure energy is electromagnetic energy. It's familiar to the average enthusiast and enough to explain my 'theory'. I dismiss 'superstrings in infinite dimensions' only to show the reader that my theory does not require exceptional levels of education -only the ability to see the illusion. I'm not a physicist -but neither were the original scientists. They were curious people who contemplated the world around them, as I was doing when I recognized we had to be in energy, not 'space'. And the modern realm of quantum physics basically arose with Einsteins' wave /particle duality theory, while I can explain that conundrum in amateur Newtonian terms. I own 'in depth' physics books and can follow what's explained to me in simple terms by an expert [*The God Particle -the Search for the Higgs Boson -Leon Lederman*]; yet I'm attracted to lighter books [*Physics as Metaphor, R. Jones*] when the expert questions the mystery in the known science [*the 'muon-electron puzzle'*] Why doesn't the electron explode under the action of its' own physical force? Does that require a sequence of ever-stronger forces? We can get around the problem by assuming the electron is a point of no finite volume but matter in physics always takes up 'space'. It introduces the muon; 200 times the mass of the electron with almost identical properties -a big fat electron that exists for less than one millionth of a second. Are they both 'points' -or 'balls' of different size? Does one 'point' take up more 'space'? The author introduces the *Banach and Tarski* theorem which says a sphere of any given size can be taken apart and reassembled into a sphere of a massively different size -an electron could become a muon? Author: "*it hints at the illusory nature of space*". He writes "*self-effects has always plagued physics....the fundamental error of treating things separately*".... Physics avoids these issues by defining them out of existence. The theoretical electron of no 'space' is renormalized as the observed physical electron -in 'space'. *Why? -because it works.*

[And Schwarzschild's 'proton as a mini black hole' is 'turfed'] Is science in energy -or 'space'?

The velocity of light in 'space' was determined decades ago by brilliant scientific work. However over the next few decades it varied significantly -up to 20 meters. How can it be a constant? The meter was re-defined in terms of wave lengths of light -the measuring stick varies with that which it measures.

Doesn't that mean energy varies with energy?

This is grossly beyond my pay grade and would lull my readers to sleep. The only 'scientific' input I could add is to point out: **We're not in space!** And like *'an eye trying to see itself'* [A. Watts] We are the energy we exist in. My simple 'theorem' attempts to help other curious amateurs recognize reality. Newton's equations were born of meticulous measurement of his everyday world; when did you last notice you had slipped into another cosmic 'dimension'? Early thinkers wondered if time was some kind of cosmic clock. It **is!** Time is the flow of wavelengths of energy: Tik-Tok. They don't reverse, explaining one directionality to time -'entropy' to scientists. Understanding my 'theory' will make this familiar to you. Time was my first breakthrough in understanding reality -why I entice you into thinking about time -not 'space'. Time comfortably leads you to think in energy, and physics has determined that **space is energy!** Our world is an illusion, but you don't need advanced science to see it. The world and we amateur physics enthusiasts are entering a new age of understanding; perhaps we need our own new name - realists?

Draw stick figures on a pad of paper. Flip the pages and watch the figure **appear to 'move in three dimensions'**. If you're particularly observant, you'll notice the flat figure appears to be in **'space' -it's an illusion of the mind**. A flow of static 'pictures' become the 'space' movie we can mentally 'exist in.' Carry this thought to a fictional 'holodeck' -a 3D computer-generated 'movie reality' of radio waves. But you're in a **real** holodeck -you're not separate from it; the E.M. waves that generate the atoms of 'scenery' and fellow 'beings' create **you**. The universe is an energy holograph; a single dimension of energy split into coupled interfering wave patterns creating a 3D energy 'snapshot'. [A holograph is the energy of light. Two coupled waves of light interfere with creating a 3D image]. **This** holograph is the energy of our universe, and it's **real** -not a surface image. Single bursts of energy continue -creating a quantum energy hologram of flowing 'snap shots' of -a hologram universe! Keep these thoughts separate -Bursts of E.M. energy via the cord produce a flowing TV image. The 3D hologram of your existence is created by bursts of E.M. energy reverberating from the beginning of time. Energy is the cause; the 'space' illusion is the effect. Don't try to mix the illusion with the reality. It's why I see the reality of energy flowing as 'bubbles', while our hollow sphere of 'space' is the illusion -and that illusion is intermittent: 'one-burst-of-energy-at-a-time'. What is the limit of space? Do you mean the limit of the illusion? It has no limit. Travelling through the illusion is 'travelling' across the 'bubbles' of energy. Go far enough in the illusion and you return from the 'far side' of the most recent bubble of energy in the distant future. You reach where you were in the illusion - from the opposite direction. Like travelling worldwide, the energy of 'space' is curved. Don't worry; as you come to 'see' this, you'll start talking like Einstein and understand it.

We move in energy, not 'space' -while our brain sees us in 'space' -Albert's 'persistent illusion'. Furthermore, those energy bursts -wave lengths -take time to flow: **That is the time!** You don't exist in 'space' -you are energy inflow -which is time. You recognize it exactly; it feels totally familiar. See reality from this different perspective and enter a new age of understanding. This is reality at its' most basic level; a 'hologram universe' is not 'mystical' or 'other dimensional'.

I've noticed a surge of programs about 'hologram universes' and 'simulations' attempting to explain our illusory universe of 'space' in some kind of metaphysical terms. An excellent example for fellow enthusiasts on YouTube is the program 'The Why Files,' and the episode is 'The Evidence We are Living in a Simulation is Everywhere' { youtube.com/watch?v=4wMhXxZ1zNM } It addresses the concept of the apparent non-reality of our existence. Some scientists see it as a simulation and explain it as a computer program, but who is the programmer? Other folks see that as a god. The host asks, 'What's the difference?' Watch the episode if you want to see 'simulation theory.' If you have grasped what I'm telling you -you'll have a different understanding.

The great mathematical mysteries - 'the Fibonacci ratio' and 'the golden ratio' are presented as mystical proof for an ethereal form of our cosmos. But our universe had a beginning -a burst of energy in the form of heat. When that energy runs out and the universe turns absolutely cold, the universe has an end -it is not infinite. Meanwhile, it continues in single defined wavelengths of energy increments as in: 1, 2, 3, 4.....; and we base our mathematics on that exact sequence. Atoms are constructed based on that sequence as is our universe - any permutations or anomalies that occur between it and math are one and the same -no 'magical' outside interference exists. The 'Fermi Paradox' is the question 'Where is everybody in the universe?' Are we alone? A more likely answer is; we're just primitive. More developed intelligence understands a cosmos of energy and communicates via a cosmic cell phone. Send an instant text; don't depend on a battery of antennae waiting for a cosmic 'message in a bottle' drifting through illusory 'space'. We're being inundated with 'news' from 'whistle-blowers' of 'U.F.O.'s, held by the U.S. government. Why aren't they 'Epstein-ed' to protect vital information? It's propaganda to deflect your attention from the news of the world. If you can just text someone, why would you sit in a cramped, exotic, dangerous tin can visit them for a lifetime? The future is more incredible than 'U.F.O.'s.' 'Beam me up Scotty' is more likely.

'Simulation' theories claim: 'Only a program can ignore the laws of physics...and the laws of time itself'. What are those laws of physics that I'm ignoring? Like Einstein, I'm a [amateur] 'Newtonian' and deal in classical Newton terms -reality isn't a simulation. The issue arises from misunderstanding that reality -we are energy in energy -not 'space'. Seeing ourselves in 'space' separates us from reality. Spreading this understanding is my prime objective. As for the 'laws of time' -I'm presently the only human being who understands space, time, or reality. Have you joined me?

This program adds a new wrinkle to the single/double slit experiment -now 'the delayed choice experiment.' How does the electron know? How can it travel across billions of miles of 'space' and billions of years of time and then communicate instantly across that void? Spoiler alert -because you don't understand space or time! A man I much respect {Dr. Jim Al-Khalili -known for superb physics documentaries} appears in the video to present the experiment and question its' solution. He suggests there is a Nobel prize awaiting whoever can provide that answer. It's quite simple!

We exist in a universe of wavelengths of energy. That energy field creates a hologram energy universe which is reality, but our mind and senses trick us into seeing that energy as illusory 'space.' The fascinating thing about a holograph is that every 'quantum' of it [a grossly over-used term which only means every smallest part] contains all the information of the whole energy field. In that aspect, it's

'non-local'. What happens in the smallest segment of the universe happens across the entire universe in the exact same burst of energy. Fellow amateurs can note: Block half the projected normal light hitting a movie screen and half the projected image will disappear, corresponding to half the 'information'. If you block half a holographic wave projection, the entire, complete hologram still exists -in 3D, but at half its' intensity. The underlying universe of energy is 'non-local', allowing for Einstein's 'spooky action at a distance' -a requirement of Bells' Theorem, which presents difficult math manipulations to create 'non-local' quantum effects in the illusory cosmos of 'space'. 'Non-local' becomes another 'spooky' quantum effect in 'space' that science can't understand, while it's normal to a quantum field of energy. It's not proof of a 'simulation.'

Energy flows as a wave, as seen in the double slit. It becomes what man recognizes as a particle such as a 'single electron' when it is 'captured' /measured by man in his 'one-step-at-a-time' -one wavelength of energy -illusory 'space'. A single slit limits the wave to a 'single electron.' Meanwhile, 'coupled particles' - produced from the same energy in the same quantum wavelength of 'no time' -remain connected across billions of miles of illusory 'space' through billions of wavelengths of time. They're always instantly connected -our illusory world has nothing to do with it. 'Beyond the speed of light' is 'possible' -it's a simple misunderstanding of our reality. These experimentally proven facts indicate that my simple theory is the most likely correct. We're not in a cosmic computer. We're not 'collapsing the wave function' into 'alternate /multiple realities' or 'emerging from non-physical realms'. We just don't understand reality -we're in energy, not 'space'. The quantum realm is not that difficult. Begin with Steven Hawking and 'big bang' **energy**.

'Space' is **still** a field of energy. That energy is quantum, existing at the border of existence /non-existence as single wavelengths. It's created from a single -but split and coupled -wave of energy. These 'halves' interact to produce a holographic field of three-dimensional information in each wavelength. In flow, they create a hologram of energy and that flow we recognize as time. As energy is contained within that flow we perceive ourselves in the illusion of 'space'; like existence in a fictional 'holodeck'. As an energy holograph, each and every smallest 'quantum' part reflects and contains the whole field; **It's non-local!** Whatever affects the smallest part occurs across the entire whole of the 'space' illusion in each wavelength. This is the connection between the quantum and the cosmological cosmos. We don't realize we exist in only one wavelength at a time, explaining relativity, the constant velocity of light, and other 'spooky' quantum 'space' effects. It's why we now mistakenly question if we're in a 'simulation'.

If you're acquainted with Dr. Al- Khalili, please forward this concept. He can add a few math notes [see *Smolin and Ravelli -energy is space -and it is quantum*] and collect the prize. I'd be pleased to see him win it. In return, I'd like him to host one of his marvellous documentaries; just list my name as the original germ of the idea.