

Fake Multiverses

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Abstract

The paradigm of one omnipresent 4D multiverse embracing a large community of local 4D “bubble” universes is both elegant and physically logical. On the other hand, paradigms of numerous 2D string universes curling within a vast number of curling 2D stringy branes, with two-way wormholes, is neither elegant nor logical without weird math. Why do so many laypeople and scientists accept fanciful fake multiverses?

One of the amazing things about human minds is our ability to inductively envision realities from sketchy facts – and to imagine “reality” from no ideas other than tautological maths. The power of global envisioning sets us apart from all other smart species on this blue planet. Tribal identities, history, religions, written languages, music, and the scientific method can all be added to our intracranial abstract powers. It is no surprise that we ape egotists have become this planet’s only global hyperkeystone species, and thereby accidental creators of the emerging and potentially suicidal Anthropocene period.

A key tool for all forms of science is *systems theory*. It applies to all biological and sociological inquiry, but not to all tautological math fantasies. General systems theory helps us to organize and prioritize our real sensory inputs. Toss in the billions of web

pages available on the Internet, some of which have high-quality science, and it would seem that human brains with about 100 trillion synapses should be equipped and ready for embracing emerging challenges in this 21st century.

In addition to appreciating general systems theory, we need to appreciate how [frames of reference](#) apply to all sorts of thoughts – from everyday consciousness, to our ideas of life “out there” in physics hyperspace, and somehow to mystical heaven and hell. Additionally, the *rate (or velocity) of change* is critical for finding our frames-dependent 4D place in it all.

Each highly conscious living unit has a unique place and pace of existence, while it lasts. In general systems theory all living beings are primarily focused on security, food, and reproduction. These *interwoven biological and social activities* all take place within our specific historical and cultural frames of reference.

Nevertheless, since life began on Earth less than one percent of all species have survived or successfully evolved. Attention to daily local security needs is not enough when many contradicting forces come in from all directions. Meanwhile, few if any species other than our own have ever contemplated the brevity of their kind within the grand biospherical timeline.

Consider the lifespan of a house fly, which is only a few Earth days. Contrast that brevity with individual human lifespans many times longer than individual flies. Despite individual brief life, the combined lifetimes of all individual fly species is much longer. Evolution is all about protecting the species, not the individual. Therefore, puny flies are mighty within specific systems theory frames of reference.

From the perspective of individual flies, their life is just as full of existential “fly meaning” as the life we enjoy, but at different “existential velocities.” Flies and humans enjoy within themselves 100% of their fleeting existences within Earth’s biosphere.

Humans construct convenient religions and cosmologies that have been designed to help us essentially deny or overcome our fear of collective and individual mortality. We can therefore imagine human life within whatever string dimensions we fancy we could travel – including unprovable transmigration of human souls within metaphysical “spiritual dimensions,” unlike boring but real 4D linear and temporal dimensions. Fear of cold systemic meaninglessness and extinction is partially why some professional scientists can fall for imaginary perpetual life within endless math multiverses. Yes, fake science is quick to transform the religious Heaven/Earth/Hell model into tricky M-Theory fake cosmology.

During the evolution of our social and individual consciousness groups of individuals gathered around campfires under the stars to imagine that some divine source has put us here for a divine reason – usually to worship with doglike faith whatever divinity they imagine provides for our purposeful existence.

In Western literary tradition the *Bible* is an excellent example of weird philosophical schizophrenia: On the one hand, [Genesis 1:28](#) has God blessing our future pillaging of the entire world for his and our greater glory. On the other hand, Jesus is reported as saying that [the kingdom of God is within you](#).

Modern individuals sitting around campfires (which limit our night vision of faint stars) still imagine benign creators greater than ourselves. The problem is, we have found no Olympians, no mighty Incan and Aztec gods, and in fact not much else directly divine – except life itself, which most humans discount.

After World War I the old European Catholic and Protestant cathedrals provided little shelter and comfort for a traumatized Western culture wondering where is good, and where is God. Along came General Relativity theory in 1915, which by 1920 had emerged as the most popular modern substitute for prehistoric cosmology. Einstein assumed secular cult status as the smartest human ever, and the world slipped into the cultural brain fog of the twenties. That delusion morphed into the ruin of the thirties;

and then into the great horror of the WWII forties; and since then into potential nuclear clouds everywhere. Brain fog persists, though in different forms to provide comforting self-delusions.

Meanwhile, Einstein kept on creatively thinking. In 1935 he and another cosmologist came up with the mathematically clever idea of wormholes (including black holes and white holes). This unproven idea mutated into specious multiverses cosmology.

It is from cleverly calculated imaginary nothingness that stringy ideas of multiverses have emerged. Recent technology has seemingly helped to confirm his theories, but in fact all that has been done is to *correlate with reverse engineered maths without causative proofs*. Data collected from a narrow piece of the full EM spectrum, for example, is rarely qualitatively equal to sets of data from much larger quantitative EM ranges.

In science, and indeed in everyday life, some of the greatest advances come from humble, but elegant, insights. This author has had a few of these, and they have helped shape what is now becoming the physics of our 21st century. Here are but three of my eureka moments:

FIRST, when I was five years old I was alone at home with my African-American babysitter. Both parents were working, and my sister was in elementary school. Back then many little kids with hard-working parents were semi-feral. There was not much to stimulate my academic mind, except fundamental curiosity. Even lobotomizing TV was not there for me in my early years.

My dad as a child was given by his father a simple 80-power brass tube microscope. I had my "Galileo eureka moment" when I looked at one strand of my sitter's hair, and then at one strand of my own. Most people even today cannot describe what I saw. What I saw was my European strand looking like a typical round spaghetti noodle. Her beautiful African hair strand was very different: It was like a smooth, dark, 2x4 board, and perfectly formed with right angles.

She and I were both amazed, but nothing came of it. My parents took me for granted as just another hungry mouth, and didn't care to hear details about my childish playtime. *Benign neglect was ironically critical for my growth as an independent thinker*, which kept me from becoming another gerbil on the path to conformity. Kids my age back then furthermore had no cool computers, and few wise classmates to help build on any fresh discovery. There was no game changing Internet that my adult self would later enjoy. My library was my daily consciousness.

Why was this simple microscope discovery so important? It enabled me to assemble a thesis decades later that explains the origins of "scientific" American racism. There is so much more to this unique story, and [you should read this essay](#).

SECOND, when I was in plane geometry class I couldn't take it anymore; so I walked up to my super math teacher, Miss Stalker, right in front of 30 students in my class. I told her that according to Euclid himself his plane geometry does not exist, except as an idealistic math exercise (as Plato did in his *Republic*). She calmly looked at me and said: "You're absolutely right, but we're going to teach plane geometry anyway."

In her defense, it is better to learn something that is defective, but enlightening, than to learn nothing about nothing. In defense of real geometry and real physics, [ours is not a 1D and 2D world](#), but a 3D Newtonian world, plus the 4th dimension of vectors and momentum.

THIRD, in another flash of insight some years ago I envisioned real cosmic strings as not at all what String Theory tries to model. Strings are [3D beaded strands](#) of electromagnetically juxtaposed yin/yang spheres that are individually within the sub-Planck logarithmic linear dimension at or below $10^{-37}m$.

Within this simple inspiration around the fundamental nature of simultaneous energy and matter, the entire field of physics and astrophysics has been liberated from mystical paradigms, such as

endless coiled 2D universes. In the unfolding flower of real physics there is real hope, if we will seize it in time.

Six more reference links for this essay

At this point I could turn this modest essay into a book, or at least into a very long thesis where readership likely would be *inversely* related to the length of the book. This modest essay is more focused on why even smart humans are often so incredibly myopic when doing fake-math science – which of course opens wide the door for rapidly evolving AI in the future to dominate us.

- 1) Frames of Reference (2023)
<https://astronomy-links.net/frames.of.reference.pdf>
- 2) Strong and Weak Correlations (2022)
<https://astronomy-links.net/correlations.pdf>
- 3) Magical Wormholes (2021)
<https://astronomy-links.net/magical.wormholes.pdf>
- 4) Our Universe is not The Universe (2018)
<https://astronomy-links.net/Universe.pdf>
- 5) Hawking's Scientific Legacy (2018)
<https://astronomy-links.net/Hawking.legacy.pdf>
- 6) Evidence for Multiverse (2015)
<https://astronomy-links.net/Evidence.for.Multiverse.pdf>