

Perspectives

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Abstract

The concept of “perspectives” is something that everybody thinks they know. This core concept is much broader than is commonly understood. Perspectives are critical to understanding both inorganic and organic systems, natural and human histories, all levels of physics, psychologies among life forms, and so forth. Full-spectrum elements may support a more coherent theory of everything.

An early use of “perspective” was the science of optics as seen from any [frame of reference](#).^[1] It is also generally to see what is ordinarily minimized or overlooked. Thus, we have this cool analytical tool to help clarify our ways of seeing and perceiving.

Individual humans are naturally equipped with a poorly used organic supercomputer within our skulls. Nevertheless, decades may pass before full AI “human wisdom” is achieved, not just operational knowledge and clever AI illusions. An even longer time will pass before high-level wisdom is not always linked to vast data centers. Then is [when real androids may challenge humanity](#).^[2] Modular AI apparent wisdom is thus one risky way for humans to share a deeper understanding of the many aspects of “perspectives.”

The human brain has about 100 billion neurons of various types. On the average, each neuron has about 1000 synaptic connections with a thousand other neurons. This all yields about 100 TRILLION total synaptic connections within each brain, from low-IQ to high-IQ. I hypothesize that *even within the brains of so-called low-IQ individuals lies the power of genius by today's standards.*

Humans have evolved ways to organize and synthesize what our eyes and curious minds show us, although this great potential is hardly maximized. We seem to be comfortable with having our primitive everyday minds dictating to us in the rapidly emerging 21st century, to our collective existential peril.

Below are some real-world (not math-only) perspectives. In basic systems theory they are all the same; but to living sentients who perceive they apparently differ. Math-first physics, fails to take into account the full implications of very different real-world perspectives and consciousness.

Divine and Human Perspectives

We start with the largest possible perspective: eternal divinity transcending photonic time and space. Because it is impossible for any lesser to fully embrace and enclose its greater, only a divine perspective could "see it all." Or can it?

It is proper to ask if any transcendent divinity is actually alive in systemic ways we can model, including the rich concept of perspectives. Anthropocentric theological and religious beliefs say with *reverse logic* that their idea of god is alive. How else would such a force/being *care* about us? It is logically not enough to invoke infinite divinity while we interact with varieties of being, animate and inanimate. Any perceptive interaction on our part is frame-relative, requiring unique perspectives, living divinities or not.

How do *inanimate* entities from largest to smallest react to each other? Here is where we invoke physics concepts of scale, of gravity, of electromagnetism, and momentum, at a minimum. Many of our concepts of inanimate reality are just *correlations* that we imagine are real (such as spacetime branes) – *rather than causative phenomena* which are often far beyond our scientific ability to dimensionally measure and verify.

Our philosophical universe has *superficially intelligent life forms* that might not care about what we think. Humans have always been so myopically vain that they try to minimize the greater, and extrapolate from their lesser perceptions to describe and embrace the indescribable. Building awesome industrial and intellectual civilizations is not the same as building great functional wisdom.

What we do daily is generally not bad. Indeed, it is proper for successful living. We can only hold onto a few active thoughts at one time. Science has additional tools for us to produce and store multiple fine data and hypotheses beyond everyday ideas, but never to the limits of reality in all linear dimensions.

Much of what passes muster within a few linear dimensions close to human scale and time may not pass muster within full dimensional knowledge. Even the impressive Webb telescope only slightly extends our dimensional reach. Given we are from the universal perspective a lesser, our goal within science is to expand the realm of quality hypotheses *toward* high-sigma levels. In this way wisdom is the endless pursuit of ever-receding Truth.

If any anthropophilic divinity were to exist as often advertised, and if we are dimensionally able to only “know” a minimal aspect of such greatness, this fact alone does not diminish the human and/or AI *pursuit* of wisdom. Any authentic omniscience would know that. I hypothesize that *any transcendent spiritual being would favor the honestly ignorant seekers over the dishonest know-it-alls*. Our greatest freedom is the intellectual space to think about what we cannot ever know with full verifiability. If we were to “know everything,” that would make us gods, if not God.

The key to not freezing up our minds is to operate *fairly* within what we know about Nature and its laws, and to move forward *AS-IF* we have at least temporarily high-quality knowledge. *The secret to wisdom is always asking questions to develop strong hypotheses, even though we will never have all the answers.*

Our 100 trillion brain synapses enjoy the “mind food” our honest questions provide. It is sad that so few humans feed their brains with open questions, even while they operate smoothly within their myopic world. For now most affluent humans enjoy *the luxury of willful ignorances*, but at an increasingly probable great cost. We are becoming like individual locusts in a vast swarm, happy with what we think we know, until we are gone.

With great power comes great obligations to protect what our powers touch. We are the only global [hyperkeystone species](#).^[3] Wrongly projected power outwards can bounce back to weaken or destroy ourselves. Only selfless universal Love and the honest search for Truth go out without coming back in an evil way. Great buddhas all embrace the sublime ironies within everyday as-if life. Life everywhere is absurd, but also divine, if given a chance.

More Examples of Perspectives

Since life on Earth began, nearly all species that have ever lived and prospered have perished, or at least evolved into quite different new species. Genetic evolution to survive takes much longer than simply inventing clever code for cybernetic networks.

Societal changes within our social species could give us limited opportunities to ameliorate a modest portion of the great damage from hormonal Malthusian population growth, and from historical industrialization yielding excessive atmospheric carbon.

Even though social (but not core genetic) humanity can in theory change a bit through cybernetics, the underlying scope of relative perspectives remains the same. Let’s look at some of the variety:

First, size and sense of time are critical for each species. Tiny flies live less than a month. They are all about food and fly sex. Their sheer numbers minimize individual security concerns. Flies live in the now, directed by their simple genetic programs. Even though flies are happy to merely bother us, our fleshy bodies are mostly food opportunities.

Some species within challenging environments have minimal genetic survival programs, with no training from loving parents. Octopuses have brilliant brains, in some ways similar to humans. Octopus species have existed for nearly a half-billion years, and survive today because they also spew out large numbers of very tiny offspring that mostly are just food for others. On the ocean floor a mature octopus must utilize its *curious brain* to map the proximal aquatic neighborhood for food and shelter. It must quickly learn how to find food while avoiding predation.

House flies and octopuses are just two of very many life forms that use the quantity-over-quality procreation method. Apes in contrast use the quality-over-quantity survival strategy. Mammal babies may spend months or years learning to survive, indicating how brilliant are the loner octopuses who also live brief lives.

Perspectives are formed by 3D space, and by [the dimension of photonic time](#).^[4] A year to humans is a normal Earth-orbital cycle, and a long human societal time can be just a few hundred years. In contrast, the general inorganic and organic worlds exist within geological time where a thousand years is like a blink of the human eye. The same set of events can thereby appear qualitatively different from very different perspectives.

Here's what happens when pure math is the basis, and Nature is subordinate or even mathematically irrelevant: Plato (in *The Republic*) was the first to talk about ideal 2D geometric forms, leaving humans doing their best to approximate the ideal. Plato in ancient Greece could not speak of modern *photonic time*, which is needed for 4D reality. Photons proceed along vectors, all of which are needed to properly model 4D reality.

The appeal of ideal math is its apparent elegance. Also, pure math can go down to zero and out to infinity with no shame. Even wacky field equations can be “renormalized” to eliminate infinities, and to make results seem balanced.

A sufficient number of 2D *string universes* inside theory equations balance. The solution number needed is 10^{500} *entire universes* within M-theory. This seemingly tidy number may look like a workable solution – but consider that the entire number of hydrogen atoms in our real visual universe is only about 10^{75} *atoms*.

Remember that each logarithmic ten-base number added (as, 76 vs 75) is ten times the original size. If here the exponent of ten were 77 vs. 75, the number would be 100 times more, and so forth. Consider what a mess 500 *exponential* universes would make, *except with absurd 2D where any third dimension would have zero size*. This is why M-theory 2D string universes *do away with 4D space and time*.

It’s easy to go to 2D universes when so many are needed to be created. That’s easy to do that if you have no logical shame. In pure maths 2×2 could be anything; but in the real natural world $2 \times 2 = 4$. *Zero times any natural number always equals zero*. Likewise, *infinity times any non-zero natural number equals infinity*. Thus, all 2D universes (which can have 2D holograms) are fake in the real world, and deceiving in the math world.

By the way, *real* items that are claimed to be 2D are actually 3D: The “missing” dimension structure is still there, though very minimal, such as 2D chalk math on a large blackboard. The chalk’s thickness on said surface provides a third dimension. Even when we do math on a computer screen, it’s still quite 3D.

Holograms are featured in light shows. They are also 3D/4D. The extra dimensionality is due to the four dimensions within the photonic laser projections. Real holograms are 4D. Imaginary holograms are 2D.

A certain charismatic [wheelchair physicist](#) [5] loved to talk about all things entering a black hole's virtual 2D event horizon AND staying there on its inside to avoid the loss of information. This absurd idea of attaching colossal amounts of cosmic reality onto the smooth virtual (or even fuzzy) interior of an event horizon is very absurd from a 4D perspective, to say the least.

It is meaningless to talk about 1D or 2D in the natural world. It is always 3D with the additional momentum/vector dimension, yielding 4D everywhere within the astrophysical 4D multiverse.

This absurdity climaxes when we consider that the 2022 Nobel Prize in Physics went to [an experiment that totally failed in 2018](#). [6] Their bogus data falsely support their claim of no such thing as 4D space or time within entanglement. Photons even from nine or twelve billion light years away are alleged to be magically entwined all the way to here, and not really distant.

Photonic time demands 4D separation. Claims of *2D* entangled information everywhere would support a false model, such as that of M-theory. This brazen Vegas magic trick yielded their Nobel. Where are the [Penn and Teller](#) [7] of astrophysics?

In defense of Newton and Einstein, SR and GR both rely on a 4D paradigm. In Special Relativity, and in General Relativity's spacetime, the "observer perspective" was explained by Einstein as an *objective observer*, not a person who is observing. As for Isaac Newton, he was writing modern science laws while alleged female witches were burning at the stake, which indicates how great Newton really was.

IN SUM: Perspectives are needed when clearly discussing anything physically related to another. *Ideal ideas can become anything we want them to be; but reality is very stubborn.* Real-world science can only qualitatively progress when esoteric math stays real. It is better to have high-quality 4D hypotheses, than a "solved" 2D string equation.

References

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