

Introduction: Fractal Symmetry. There are forces in the universe, and if the universe is a map of anything... it is a map of itself. The fractal nature of the universe dictates that it resembles itself whether it's the shoreline of England or the shoreline of the Fort Peck Reservoir in land locked Montana, things tend to resemble themselves as people do in old age or the next generation. It is the way of things... and the way of metaphor...

There are numerous metaphors in this world and in a large part explain the nature of things beyond what rationally can be explained, because before we did not know anything about fractals and their ties to the universe that surrounds us. But we do know about metaphors as we crawl through the darkness for some light to guide us onward down the path. And these metaphors are patterns of resemblance found within the universe for and by the universe... to the universe as dictated by the universe for and by the universe as well. To what ends? Galactic Consciousness! To wit, it would then seem some basic elementary behavior of the universe should mirror complex or even multiplexural behaviors and vice versa, such as forces of nature and the forces of society, but simple forces which insures they are real and not just method to the madness, a way of visualization... It is the hope anyway, so here goes.

From wikipedia, "The four known fundamental interactions, all of which are non-contact forces, are electromagnetism, strong interaction, weak interaction (also known as "strong" and "weak nuclear force" respectively) and gravitation."

Chapter 1: Electromagnetism

Simplified this is the field lines of society collapsing into a dipole moment. If a society is largely composed of: A Marketplace, An Industry, A Man, A Natural Environment... this can coalesce into a world with poles in industry and marketplace with field lines running through man and nature, such as when at work where there is only we and profitablility. Or this metaphor can coalesce into one with poles, such as in a magnet, running from Nature to Man when in leisure or whenever with all of markets and industry composing the field lines of the dipole moment serving the ends of these polarities. Of course either of these could happen under both conditions of work and play and might do so for extended periods, but variety is the spice of life so hopefully balance is found both in life and in this text. Of course this would imply the existence of monopoles or people with singular identity in both work and play, but totally hypothetical.

Chapter 2: Strong Nuclear Force

From Wikipedia, "The strong interaction is observable in two areas: on the larger scale, it is the force that binds protons and neutrons together to form the nucleus of an atom; on the smaller scale, it is also the force (carried by gluons) that holds quarks together to form the proton, the neutron and other particles."

Money! money holds together the quarks and hadrons. An acceptable monetary unit also implies a form of government(issuing the money) that's in common and all the laws governing said trading partners. Money holds it all together, it may not be what created the quarks and hadrons, but it is what glues together the trading partners into discrete atoms. It's interesting to note that the nuclear force, money, isn't strong enough to hold the atom together damn well when the nuclei number is about 82 or more, atomicly speaking. Can we see this in the real world? Have empires grown too big to stay together for whatever reason... money wasn't strong enough to hold it together in: the Roman Empire, the Byzantine Empire, the English Empire. All these fell apart and the gluons, the Stretch and Benjamins, weren't strong enough to hold the center, though the empires had immense control and wealth, when they fell down they couldn't put humpty back together again. What can we conclude from all this, maybe, simplicity is better when it comes to government and trading bases. It also implies many other things... such as a simple life is to be desired for each man is a nation state, a government unto his own life, as both a president and national congress and proletariat. Some are just prone to riot.

This also implies the importance to buy locally and think globally to keep the money in the community, more to the point. If one's city, or gluon trading base, is to hold together during the apocalypse or a sharp collision with another proton or neutron, a strong collective is important to have with a small trading base to meet all of its needs. A source of energy, a source of food, a source of education, and the things that go into a community to help it run. It won't just be a matter of defending yourself and being able to cook... one is going to need dreams so one has hope. One is going to need life so one has faith. One is going to need compassion so one has love. And one will probably need money, so one may serve the community.

In conclusion this does indeed indicate that money helps hold the universe together as much as we revile the corruption that comes with it in excess.

Chapter 3: The Weak Nuclear Force

From Wikipedia, "It is responsible for the radioactive decay of subatomic particles and initiates the process known as hydrogen fusion in stars. Weak interactions affect all known fermions; that is, particles whose spin (a property of all particles) is a half-integer."(protons have a spin of 1/2)

In laymans terms this means the weak interaction or weak nuclear force causes the decay of all fermions excluding the proton, but including the neutron and electron and others. I didn't know that protons didn't decay. Free neutrons apparently take 15 minutes to decay according to An Introduction to Nuclear Physics. Cottingham & Greenwood (1986, 2001), p.28.

But in the meantime we're having an identity crisis.. what's a proton? what's a neutron? From Wikipedia, "The proton is also stable by itself. Free protons are emitted directly in some rare types of radioactive decay, and result from the decay of free neutrons from other radioactivity. They soon pick up an electron and become neutral hydrogen, which may then react chemically. Free protons may exist in plasmas or in cosmic rays in vacuum."

So a proton can be a weak interaction result of a neutron decaying in some sense. Weathering, entropy change, hmmm... So if a gluon is damn well near a dollar and protons & neutrons are trade bases of some form of currency, the weak nuclear force would decay neutrons but stop when/if it reached a proton. And if taxation were the agent of weak nuclear interaction, would this mean the natural state of all free corporations is a non-profit striving to get out! I think so. I guess I kind of knew that because I told myself, but if I were on a corporate board the first thing I would do would be to get rid of stockholders and not drive for profits, just drive for service and a living wage. Or better yet! have the company employees control the stock! So with that idea, the one idea worth anything here, that the weak nuclear force is taxation I ask again what is a proton and neutron? A non-profit ecosystem? A government? A woman? Seriously a proton could be a female, though this slides the metaphor out of the societal realm and into the personal one. Hm, I would have to say...

that a proton is a non-profit organization and that neutrons are the base with which non-profits draw support from and serve. Yes, that is my final answer, lol. On the other hand the metaphor does collapse into another stable form in light of what we've done with the proton. Starting with the neutron first, a corporation(which is taxed) finds a stable relationship with a market share(their customers) without which it'll evaporate due to taxation(wages and federal taxation) and it's the market share(their public) that is the proton which is persistent with or without it's existence(though they are taxed... it's nothing in magnitude compared to the taxation by wages). Purportedly protons do indeed decay but is like 10^{36} years and has never been observed. The age of existence? Even 4.56 billion years only has 9 zeros behind it. A lifetime to say the least.

Chapter 4: Gravitation

From Wikipedia, "Gravitation, or gravity, is a natural phenomenon by which physical bodies attract with a force proportional to their mass. Gravitation causes dispersed matter to coalesce, and coalesced matter to remain intact, thus accounting for the existence of the Earth, the Sun, and most of the macroscopic objects in the universe."

From this I conclude a social metaphor would be life itself as only life really organizes life like this aside from the ascriptions of free will. Buffalo have free will but they still form groups. Humans organize in cities, states, countries and Alliances much like the planet looks similar to a solar system that looks like the galaxy. I wouldn't be much surprised if the morphology of the universe resembled a galaxy's. To pick at this some... one could ascribe it to taste or instinct, "I like living in a city," but it's a fact of life that life doesn't last as long isolated (life's harder) in addition to the prohibitive cost of traveling to a new place and setting up a new home whether or not it is isolated.

So as we continue this, life is what holds society together. And this makes sense as cells, the basis of life form organs which form systems which forms organisms. These form communities which form cities which form states which form countries. And gravity forms planets which forms solar systems which form galaxies which forms the universe. So it would seem there's an aggregation going on in both these sides of the coin from the force attraction with a force proportional to their mass. This would imply the larger the two cities are, the more they trade with each other. This also implies smaller cities could orbit larger cities and there should be some city on fire, damned or not, from which all other cities revolve around such as the state capitol or country's capital. ON FIRE! So that could in turn imply that laws by the government provide the basis for life in those cities which actually have life through the propagation law and order. And an underwater ecology revolving around the black smokers in deep ocean sea vents. Also we could consider gravitational life as spirit like as in the life of the party or, "having a life." In this metaphor a town on fire would be one with an active social scene, but which naturally come to towns the larger they get except maybe St. Paul, MN, which is completely dead come about 10 o'clock, but what would be open except bars anyway... this is not a unique circumstance. Duluth(MN) got really dead at night too, but it is true of some cities that they never sleep. I think that would be a town on fire, but a planet with the fire of life.

Chapter 4: Grand Unification Theory

We have the elementary forces of the Society/Universe then: Nature/Man, Money, Taxation, and Life. How do we define them so that we can interchange Apples for Oranges for when one has an apple and want an orange, but in this case we have bananas and kiwis as well. Well to starts, each has to have an epitome that is self referenced in its identity, like the unit circle in trigonometry which one can't do even with money, 'cept when we used the gold standard but even that wasn't self-referenced so one can see the problem. Next one finds the conversion rates along various paths in equations and lastly we go to the market(the physicists) to make the trade. In essence, we're trying to make a tetrahedral Venn diagram to find the center of their overlapping influences so we can freely convert Life into Money or money into Life freely. We already have ways to do that, but never mind, we want ways to do it for self-gratification remember we have an apple and want an orange. So what do we do, we build a society so all of them exist simultaneously plucking the trading hands for our own... which won't fit in our warehouse so we've got to think of something else that'll fit. So we've got to find someway to put life into money and the others into the same within this thought experiment in order to find an equitable solution to the grand unification theory. Seeing no way to physically insert them I can conclude two things, the global universe IS the grand unification theory or.. a mystery is about, deep and murky. These are the four apostles and though they might tell the same story, we're dealing with identities and no matter how you make over Mark, he won't be John unless stripped of his ego, then you have TWO enslaved humans, not John and not Mark and what good is that when it's impossible to give them anything but a new role. Seeing as Matthew, Mark, Luke, and John want to go to heaven they won't willingly go to hell as the Grand Unification Theory would enslave them, and being human, they want to be free as a bird even. This won't fit in my warehouse either.

So we're back to mathematical identities which are massively complex and have little relation to the real thing except in theory, but have the identity stripped and the behavior described instead. There's a lot of commonality between the behaviors between Matthew, Mark, Luke, and John Their identities lie in their names so this is well nigh an impossibility to spell Luke as you spell John seeing as all we really know about them is a small part of their gospel as they related to a larger movement of Christianity. Better to look towards Jesus Christ, an entity all his own.

Chapter: 5 Finding Jesus

Whether this entity is String Theory(KNOT) or some yet undreamt dream of hope is a matter of discussion, and what do you know... I'm already writing an essay, so what can you tell me about Jesus? He heals the sick and gives sight to the blind. He works miracles of faith and casts out demons with a word. He also led 12 disciples making himself the thirteenth as it were. The exact same number in a sphere made with equidistant spheres. So if Jesus WERE the GUT, we're looking for 12 disciples to preach the gospel as both below so it is above with Jesus in the heart. Seeing as how we only have the four Gospels as of this writing, it looks like we'll have to keep looking for Jesus and spreading the good news.

They've discovered Gobekli Tempe in like east Turkey. The religious site(largely undug) is said to resemble all aspects of the Garden of Eden in the description of Genesis. It largely consists of numerous sunken circular rooms of stone walls(filled in with sand) on a hill with pillars that have animals from the area embossed on them in the middle of the rooms dating back to like 5000 years before the pyramids were even built. This dates it as the oldest remaining structures ever built. It is theorized that first came the temple, then the city. The tree of knowledge seems to have moved elsewhere as has the tree of life, but it's interesting that animals and not some arcane symbol was carved on the pillars. Was ancient Judaism a form of animalism. Should Faith, Hope, and Charity really be Life, Dreams, and Love as God really wants us to believe rather than what some patriarchal, dogmatic, control freaks want us to believe. There is a lot of power controlling that which someone believes so I wouldn't put it past someone actually rewriting the Whatever Torah Bible so it reflects more of what you'd like to say yourself. It is also true that books don't last forever, so this is even possible. I know Rome burned a lot of the teachings of Jesus when Christianity was outlawed, and then they canonized it shortly after the purging of writings with Constantine. Even the Greek Orthodox church formed after this purge so we're all equally in the dark with many writings lost in those days of persecution when Christians learned to read and write in Latin and Greek. Nowadays it's all about how much money one makes rather than what church one belongs to, and it's getting worse. People are being criminalized for being poor. So maybe it would improve me to lay down my worldly ways and follow Christ, but I'm pretty sure that's not a way to earn a living and lordy, I'd have to learn math.!

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