

Re: A classification of life and universe

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- *From:* "rajaniyer@xxxxxxxxxxxx" <rajaniyer@xxxxxxxxxxxx>
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Akira Bergman wrote:

The universe starts from a fuzzy state;

0. {universe}

and it remains essentially fuzzy while building structures. Then it polarises into a mediated duality;

1. {sense,{field}}

The transition { } --> {,{}} has two implied directions of evolution;

$$\{,{ }\} = [,{ }] + [,{ }]*[,{ },] + [,{ },]$$

Where the format is loosely stated, but it is somewhat like the Clifford algebra. It is undecidable whether 'sense' leads to 'field' or vice-versa. Like the chicken-egg dilemma. The fuzzy parent state transforms to [,{ }]*[,{ },], and becomes the mediator of the duality. Like a tossed coin settling on it's rim, or having sexually fuzzy offspring.

The mediated duality form is observable in many areas;

- . {mathematics} --> {operator,{number}}
- . {quantum mechanics} --> {observer,{observed}}
- . {music} --> {listener,{performer}}

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Then, iterate again to get offspring functionality;

1. {sense,{field}}
2. {exclusive,{inclusive}, {space–time–gravity*–light, {weak–strong}} }

Where 'exclusive' stands for 'observe–move' or soft interaction, and 'inclusive' for 'reproduce–feed' or hard interaction. '*' stands for the field–antifield pair.

The combination 'space–time–gravity*–light' is non–intrusive or soft interaction, while 'weak–strong' is hard.

In mathematics;

1. {operator,{number}}
2. {additive,{multiplicative}, {0,{1}} }

'additive' is not intrusive like 'observe–move', yet 'multiplicative' is intrusive like 'feed–reproduce'. '0' and '1' are the identity elements of the operators.

Therefore, 'field' seems to correspond to 'higgs'. The scalar field and it's associated operators are at the foundation of all systems. Like numbers for mathematics, money for economy.

Then, iterate until 6;

- 2–0. {exclusive,{inclusive}}
- 3–0. {observe,{move}, {reproduce,{feed}} }
- 2–1. {space–time–gravity*–light, {weak–strong}}
- 3–1. {space–time,{gravity*–light}, {weak,{strong}} }

∴

- 3–0–0. {observe,{move}}
- 4–0. {analyse–hear,{imagine–see}, {sustain–propel,{navigate–manipulate}} }
- 3–0–1. {reproduce,{feed}}
- 4–1. {non–sexual,{sexual}, {taste*,{smell*}} }

∴

- 3–1–0. {space–time,{gravity*–light}}
- 4–2. {space,{time}, {gravity*,{light}} }
- 3–1–1. {weak,{strong}}

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4-3. {neutral-weak, {charged-weak}, {strong, {residual-strong}} }

The symmetry of 'weak' seems to be the symmetry of reproduction. Taste-strong correspondence is reasonable. Residual-strong refers to the force between nucleons.

∴

4-0-0. {analyse-hear, {imagine-see}} }

5-0. {analyse, {hear}, {imagine, {see}} }

4-0-1. {maintain-propel, {navigate-manipulate}} }

5-1. {maintain, {propel}, {navigate, {manipulate}} }

”

4-1-0. {non-sexual, {sexual}} }

5-2. {self-repr, {shared-repr}, {female, {male}} }

4-1-1. {taste*, {smell*}} }

5-3. {taste, {untaste}, {smell, {unsmell}} }

...

4-2-0. {space, {time}} }

5-4. {along-space, {lateral-space}, {along-time, {lateral-time}} }

4-2-1. {gravity*, {light}} }

5-5. {gravity, {antigravity}, {electric, {magnetic}} }

”

4-3-0. {neutral-weak, {charged-weak}} }

5-6. {organism-cell, {dna-molecule}, {star-planet, {moon-comet}} }

4-3-1. {strong, {residual-strong}} }

5-7. {black-hole/galaxy, {neutron-star/white-dwarf}, {hadron-lepton, {neutron-proton}} }

Male/female and star-planet/moon-comet correspondence rings a mythological bell.

∴

5-0-0. {analyse, {hear}} }

6-0. {specialize, {generalize}, {left-hear, {right-hear}} }

Analysing is dual and performed by the two halves of the brain. While one side concentrates on detail, the other side concentrates on the context. This gives a clue to how we hear as well. The {bass, {treble}} duality of music corresponds to this.

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5-0-1. {imagine,{see}}

6-1. {plan,{aim}, {left-see,{right-see}} }

Imagining is also dual, but lateral to analysing and in the forward-backward direction. The frontal cortex does the long term planning ('aim' above). This gives a clue to how we see as well.

”

5-1-0. {maintain,{propel}}

6-2. {sustain,{break}, {propel-forward,{propel-backward}} }

Breaking is a part of maintaining, like sustaining.

5-1-1. {navigate,{manipulate}}

6-3. {left-turn,{right-turn},{make,{unmake}} }

Navigation seems to be more than just left and right turn, but in general this is the case. Cars have just a steering wheel for navigation.

Manipulation is essentially an upmarket type of navigation involving choices along the way.

”

5-2-0. {self-repr,{shared-repr}}

6-4. {undifferentiated,{hermaphrodite}, {host,{guest}} }

5-2-1. {female,{male}}

6-5. {feminine-female,{masculine-female}, {masculine-male,{feminine-male}} }

”

5-3-0. {taste,{untaste}}

6-6. {eat,{drink}, {defecate,{urinate}} }

At the 6th step, sense becomes organ related.

5-3-1. {smell,{unsmell}}

6-7. {breathe-in,{breathe-out},{impregnated,{impregnate}} }

Nose and sexual organs are closely related.

5-4-0. {along-space,{lateral-space}}

6-8. {forward,{backward}, {left,{right}} }

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Space is essentially one complex dimension. Complex numbers are closed, and they have one along and one lateral dimension; {1,i}. There is only one space dimension between two objects. The surface of the earth can be viewed as a complex plane. There seems to be 3 perfect dimensions of space, but this is never the case, since there is always gravity distortion. Space can not exist without gravity. I think the apparent threeness of space is related to it's content; matter.

5-4-1. {along-time,{lateral-time}}
6-9. {forward,{backward}, {left,{right}} }

This point is also surprising for me, like the previous one on space, although it is well known that time is complex. Time travel is predicted here.

”

5-5-0. {gravity,{antigravity}}
6-10. {+gravity,{-gravity}, {+antigravity,{-antigravity}} }

Gravity is a polarised field like electric field. Anti-gravity is predicted here and it maps to magnetic field below, to give a clue about it's character. It seems anti-gravity can be produced by electric currents.

5-5-1. {electric,{magnetic}}
6-11. {+electric,{-electric}, {+magnetic,{-magnetic}} }

The poles of magnetic field do not exist separately, but electric field's do.

”

5-6-0. {organism-cell,{dna-molecule}}
6-12. {organism,{cell}, {dna,{molecule}} }

5-6-1. {star-planet,{moon-comet}}
6-13. {star,{planet}, {moon,{comet}} }

5-7-0. {hadron-lepton,{neutron-proton}}
6-14. {hadron,{lepton}, {neutron,{proton}} }

5-7-1. {black-hole/galaxy,{neutron-star/white-dwarf}}
6-15. {black-hole,{galaxy}, {neutron-star,{white-dwarf}} }

Senses and fields expand into two parallel binary trees complementing each other. The numbers involved correlate strongly with mythology.

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(6,5,4,3,2,1,0,1,2,3,4,5,6)

They add upto $2*(1+2+3+4+5+6) = 42$ (The answer maybe 42 after all!).
The tree expands into $2*64 = 128 = 2**7$ distinct categories at the outer edge. Reminding I-Ching and the Jewish mythology about creation. Many more interesting numbers can be extracted from the tree, depending on how it is looked at.

Complex numbers, modular group and Mobius transformation are closely related.

A link to computers is also made. Electronic computing is based on binary trees. The universe seems to be a boolean computer at the overall category calculation level.

AB

<http://a-theory-of-nothingness.blogspot.com/>

TITLE: ABSOLUTE GENESIS

Presently I generally will like to make brief comment since already I have developed a mathematical formula with grand theory of genesis of universe. These discussions also appear in sci. physics forum as well as other sci. forums with this author.

My thesis about genesis will be absolute – indicated by above title that also forms the main title I published during year 2000 available at Amazon.com. As this generally have summarized along with sci. forum discussions about sense being a fifth order tensor & sense–time–space having 5 dimensions, a time_shift or sense_shift or zero_switch or universal_shift well a natural_shift at from a perfect vacuum with zero curl of field to a non–perfect vacuum with a non–zero curl of field can be deduced from mathematical logic of genesis.

As presented here also in "a–theory–of–nothingness" to which I am replying "The universe starts from a fuzzy state; 0. {universe}" my theorem of switches says that switches also have a mode zero apart from off & on modes and hence progenitor zero mode switched at with shift mentioned above. What existed at with prior to genesis? Perhaps nothing at all. However only when we bring mathematical physics with metaphysics that we will start making sense. Hence following proposition will be 1st:

thought(field(progenitor(producing(imaginary(zero(point(field)))))))[Information 1]

[Information 1]

$\text{curl}\{f(\text{imaginary})\} = 0$ a perfect vacuum & not 0 non–perfect vacuum[Equation 1]

so on although all mathematical formula have not been given here for the sake of brevity. Metaphysically thought generally with thought of God progenitor genesis of universe will be interpreted.

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Presently I generally will want to make one more comment that "0." that leads to sense mentioned also with "A classification of life and universe" will generate also a time-field having a non-perfect vacuum which will originate "wormhole" & space – all four forces – unifying a grand theory of everything. With respect generally a presence of universal consciousness holograms provide organic being a mind of God acting omnipotent.

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