

# Electron As Verb-Math

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This is a series of email I sent today to a former professor of mine, in physics. There are some endnotes. It's just an observation, and a possibility.

Professor [Recipient],

I was reflecting this morning and it occurred to me: what if an electron is verb-math? That is, it is this -- and this is its hard object-ness, or fluid electricity-ness.

Then I thought of my earlier email on the integration of the description of a situation in text, then the diagram, and the math, in such efficient physics textbooks. And what of the world as a setup (in mind) of meaning and relationship -- describing the very situation -- the situation being an unfolding meaning and math (and math-as-verb being the physics, a universal).

Kevin

Professor [Recipient],

That is, the math is not just a *description* of the concrete world, verb-math *is* (along with meaning and relationship) the concrete world.

A universal.

Thus the axioms may be universals!

It would point again to the illusion nature of reality (as does dependent arising -- see Buddhism), including both the abstract and the concrete -- yet a very real space (within which we can maneuver).

Is there some literature on this? Or maybe this was the given in all of my physics!

Kevin

Professor [Recipient],

Likewise, in gravitational attraction, the 2 particles of mass  $m_1$   $m_2$  *are* the attraction (math function) between them.

Thus, again, the functional. Math function as basis and expression, verb-math.

Kevin

Professor [Recipient],

Another way to put it is that the concrete world, as verb-math, is just the 'instance-of' math, in/creating/with time.

Notes:

Aristotle: a verb indicates something involving time, and a noun is a placeholder for or indicates something not involving time (there were other things he said about nouns and verbs, such as a noun-word is an arbitrary designator).

An aspect to Zen, as I see it, is the unfolding relative: things are relative to each other, and this unfolds in a continual and instantaneous way, and includes both the integers and the real numbers.

Instance-of: In an object-oriented programming language such as Objective-C or Java, the runtime object is an instance-of (the specification and relationship).

Kevin

P.S. I think I'll let it go at that! I was reflecting on dependent origination this morning, with reflections from 10 years ago in the back of my mind, on the fact that electronics is an expression of math in the material, physical, concrete world (and so is Newton's law of gravity, and so is Schrodinger's Wave equation). There are other aspects to reality.

P.P.S. I also feel that mathematics (or at least as its expression) is itself intelligence.

#### Endnote (Multi-faceted)

The electron has a multi-faceted existence: a particle of mass  $m$ , with an electromagnetic effect, as an electromagnetic entity, a spinning particle with a given charge, of a certain size. All of this is functional.

#### Endnote (Verb-Math And Mind)

The square (mathematical) exists as the abstract. The steel or wood makes the concrete. It is when we see the fusion of these that we see a window (a square of steel or wood, with space within), that we can look out of, or a room (squares of steel or wood, at right-angles, with surfaces and space in between, maybe with windows) that we can walk through and consider in experience, thought, and realization: reality.

The function-relation and the unfolding present moment, in the concrete, is just verb-math.

The relational and the unfolding present moment, in the abstract, is just mind.

Verb-math is therefore the abstract (math) and concrete (verb-math).

The relational is mind; therefore mind brings to the concrete (verb-math) the relational, and the relational-concrete-abstract-(verb-math) is Mind.

#### Endnote (Nagarjuna)

Nagarjuna says, "It is when we see the fusion of the abstract and the concrete that we see the real world, before us." For more of Nagarjuna's philosophy, see "Fundamental Wisdom Of The Middle Way" by Nagarjuna translated by Nishijima.