

The fourteenth conundrum: Applying the proportions of Gimmel to Triadic Rotational Units of Equivalence compared to the proportions of Dark Matter plus Dark Energy: Speculations in cosmology

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A separate but extraordinarily important issue arises. This is also directly linked with TRUE units and gimmel, but this time cosmologically. The data we discuss here is very much necessarily preliminary, but exciting given that it confirmed a hypothesis, and extends the ideas of gimmel, from the quantum level through to the cosmological.¹⁰⁸

In summary, when one calculates 3 dimensionally, we are applying a triad applying volumetric components. We need to apply that to dark matter. There is an almost exact correlation of the proportion of Dark Matter plus Dark Energy in the Cosmos (based on the latest Planck probe data)¹¹⁹⁻¹²² as the proportion of Gimmel to TRUE units. Correlations are not linked causally but could it be that Gimmel is a mass-less, energy-less component of dark matter/ dark energy, just as it and TRUE plays a role in elements?

Effectively, we hypothesized that the ratios of gimmel to TRUE units and dark matter and energy taken together as a proportion of the cosmos should strongly correlate.

Supporting a remarkable hypothesis

This mathematical result is still preliminary based on our best available figures, but the equivalence, which likely has an error we guesstimate of 1-2%, is very striking. We hypothesized this correlation would work out and it does. Our hypothesis was based on the postulation that if indeed TRUE units are appropriate at the atomic level, they should be at the element level, at the molecular level and indeed all the way through to the cosmological levels. This, indeed, might provide the beginnings of a solution to the challenge of what dark matter and dark energy are. It is one that has been regarded as unsolvable.

The cosmic proportions

Very briefly and preliminarily, the calculation is complex and involves some assumptions of ratios in the cosmos. Effectively, ‘dark matter’ and ‘dark energy’ account for most of the matter and energy in the entire universe. The ‘dark’ components cannot be seen directly with telescopes as apparently it does not emit or absorb light or other electromagnetic radiation. Its existence and properties can only be inferred and the Planck Probe mission team, applying the standard model of cosmology, calculated the total mass–energy of the known universe as containing 4.9% ordinary matter, 26.8% dark matter and 68.3% dark energy. Applying mass–energy equivalence together, the ‘dark’ components constitute 95.1% of the total content of the universe.¹¹⁹⁻¹²² Importantly, the Planck probe data reflecting 95.1% is a linear proportion and should be calculated *volumetrically* as TRUE unit analysis already has cubes as the values. The cube of the 95.1% is 86.1% , which we would use to compare with the gimmel/ TRUE

proportion. As an aside, it is irrelevant that Dark Matter and Dark Energy may be differently located and distributed. The hypothesized correlation still can be tested.

The cosmos is thought to be made up of about 75.6% hydrogen and 24.5% other substances mainly helium (but all these other substances have a similar gimmel to TRUE ratio of 0.762).

For hydrogen, we needed to introduce another form in the ‘horizontal axis’ besides gimmel, called ‘daled’ (which may or may not be the same as gimmel). The necessity for a horizontal axis calculation with hydrogen is because the hydrogen atom lacks a neutron. Without something to compensate, the atom based on the TRUE unit calculations would be symmetrically unstable. There needed to be a further flow of a gimmel type substance to compensate. While we assume it would be the same ‘gimmel’, we’re applying it uniquely and in a different context, hence Daled.^{ccc} Daled may or may not be the same as gimmel, and we’re referring to both as ‘gimmel’ here.

Gimmel and TRUE

The figures on Mass-energy and Gimmel in the TRUE unit calculations are already based on volumetric (cubic) units. By applying volumetric equivalents of 75.6% hydrogen abundance in the cosmos with a 0.892 ratio of Gimmel to TRUE, we calculate the hydrogen contribution to be 67.5%.

Similarly, applying the 24.5% of helium (0.762 ratio) and any other life element (also = 0.762) that may be very small in the cosmos, the same figure TRUE unit ratio exists producing 18.6% as the ratio of Gimmel to TRUE. The total volumetric proportion then is 67.5% + 18.6% = 86.1%.

The similarity of figures (86.1% of volumetric dark matter plus dark energy compared with the proportion of gimmel to TRUE in the cosmos at 86.1% here) is striking and exactly equivalent. However, these figures despite being based on best available current statistics, are, as indicated, still speculative. The range ‘guesstimation’ for gimmel/ TRUE ratio might have an error of say 2% or even more, based on the proportions of estimated hydrogen and helium / other life sustaining elements in the cosmos.

Nevertheless, particularly, given that it was hypothesized to be so, the correspondences are remarkable based on current figures (gimmel/ TRUE :: volumetric dark matter and energy together/ proportion of the cosmos). So very preliminarily, it appears that we could postulate that gimmel/ daled exists as a third substance besides mass and energy at every level, ranging from the quantal to the cosmological.

^{ccc} We don’t know exactly what Gimmel is. We *postulate* that gimmel is linked with a unitary ‘broader consciousness’. We *speculate* that gimmel might exist as a *continuous infinite* vortical flow of more than just a ‘consciousness’ content: Embedded within this consciousness ‘container’ would be other *infinite continuity* properties equivalent to mass and energy content. We postulate that when presenting in the quantized finite reality, *gimmel manifests differently* for every chemical—atoms, molecules, or even components of the cosmos: Everything has their unique ‘cosmic fingerprint’. Gimmel therefore applies to *meaningful specific* information (a *targeted* consciousness) as opposed to the general components. Communications occur across all the nine dimensions, as well as in the still quantized transfinite. Those interfaces are across, between and within dimensions, involving indivension translated through intersections of vortices, scalar, vector and tensor components.^{7; 35; 68} This implies different levels: Some regard these as ‘vibrational’, referring to the different frequencies of movements, but then those ‘vibrational resonances’ would be multidimensional and manifesting relative to a particular framework, like 3S-1t.⁵ We speculate that gimmel and daled reflect the same property, but they might turn out to be different (hence, their different names). Further lengthy papers will discuss these complex concepts.

The fifteenth conundrum: Applying the philosophical model of Unified Monism: Returning to general principles

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Unified Monism involves a philosophical model developed from the scientific and mathematical metaparadigm of TDVP^{7 ddd}. This new philosophical model was developed by Vernon Neppe and Edward Close in 2011² as the logical philosophical consequence of their TDVP model. Therefore, it is likely it is the first major philosophical paradigm that is both based on a scientific model and the logical consequence of science. *Unified Monism* posits a unified reality of Space, Time and Consciousness with the infinite inseparably pervading the finite.⁷ *There is no existence without the finite always being embedded in the infinite.* But we living beings can only experience the finite, and a tiny portion of that, namely 3S-1t. The rest of existence is hidden, though other states, such as altered states of consciousness, may involve other dimensions and other experiences. But only our quantized, discrete finite reality can ever be directly experienced, yet the continuous infinite, that cannot be experienced with our senses, always pervades existence in the finite. We don't realize it but everything we do has a finite and an infinite component.

The consequential result of TDVP is a philosophical model that is applicable to the brain and body, as well as to the broader infinite and finite. 'Unified Monism' is, therefore, the necessary philosophical consequence of TDVP, not a primary metaphysical or philosophical conceptual model. TDVP, like some of the Eastern mystical philosophies (e.g., Vedic varieties) and particularly like Kabbalah which it's mystically closest to⁷, recognizes the unification of reality, the infinite subreality, the broader role of consciousness and a higher guiding element. But Unified Monism (UM) also is versatile enough to recognize that our physical reality is real, not just our imagination, and that our direct and indirect everyday experiences as living beings reflect our *overt* experience, but there is much *covert* happening all the time. Our experiences are only a tiny part of our existence.

The concept of a *Unified Monism* reflects more than just an inseparable source linkage that has been forever between both finite and infinite subrealities. It is not simply 'between' at all—there's no necessity for interaction. UM is not dualistic, but monistic: We're referring to two components that are essentially expressions of the same phenomenon. The two are inextricably part of each other, like a shoulder and a hand. *The infinite necessarily pervades all of the metafinite.*^{eee} Moreover, the inseparable source of space, time and extended consciousness occurs at the most fundamental level of *origin*, and the separations of S, T and C are unified because they're always at least partly tethered. The source unification creates a unified philosophical unit and so does the consequent tethering of realities.

^{ddd} TDVP is the more convenient abbreviation for the 'Triadic Dimensional Distinction Vortical Paradigm' of Neppe and Close.

^{eee} The 'metafinite' (Neppe and Close 2014)⁷ is a combination term for both the finite lower 9 dimensions plus the higher dimensions of a countable infinity which is called the 'transfinite'. Both the finite and transfinite are quantized: They are like pixels on a TV and each part is discrete. The metafinite therefore contains components, like quanta and is not continuous, like the infinite is.

Neppe VM and Close ER or Close ER and Neppe VM; IQNexus Journal; Vol 7, #2, pp 7-94, 2015; 15070715b